



Syosset High School

CURRICULUM MANUAL

2019-2020

Blue Ribbon School

SYOSSET HIGH SCHOOL

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A. INTRODUCTION

This manual contains important information about graduation requirements and the curriculum offered in grades nine through twelve at Syosset High School. While following the recommendations of the New York State Education Department, Syosset High School provides for all students through differentiated levels of instruction and a wide range of electives. Selection of courses should be made only after careful consideration of educational and career goals. Since there are many variables that affect the decision-making process, students should consult with their parents, teachers, and guidance counselors before making final choices. This manual is available online for reference throughout the school year. If parents need assistance in translating information in this manual to languages other than English, please contact your child's guidance counselor.

□ উপরিকোষ :

এই প্রস্তুত অধ্যাসেট হাই স্কুলের শিক্ষা অমাপনীর অভ্যোগনীয় শর্তসমূহ এবং এই স্কুলের নথি থেকে দ্বাদশ মাস পর্যন্ত কি বিষয়ে শিক্ষা অদান করা হয় সে সম্পর্কে গুরুত্বপূর্ণ উভ্য ধরণের, প্রধাসেট হাই স্কুল নিউইয়র্ক স্টেট শিক্ষা বিভাগের নির্দেশনা অনুসরণ করে এবং হাইস্কুল বিভাগ বিষয়ের ক্ষেত্রে জিন্ন ডিন পর্যায়ে শিক্ষা অদান করে, শিক্ষা ও কার্যক্রমান্বয় উদ্দেশ্য প্রজন্মকালীন বিবেচনা করে শিক্ষা বিষয় অলানয়ন করা উচিত, যেহেতু স্কুলের নিঃস্ব পদ্ধতি দ্বারা অনেকক্ষণে বিবেচনা করতে হয়, দৃঢ়নু সিদ্ধান্ত দ্বারা আগে হাইস্কুল উচিত তাদের আবাবা, শিক্ষক এবং স্কুল চাপ উপরের কাছে আলাপ করা, অভ্যোগনীয় অনুসন্ধানের উপর শিক্ষাবৃত্ত চলাকালীন সময়ে এই প্রস্তুত কারু বাধবেস, হাঁসা দৃঢ় অন্যান্য গাষায় এই স্বীকৃত প্রেত হলে স্কুল চাপ-উপরের কাছে গোচার্যাবাদ করুন,

A. 概述

这本手册包含了赛次雪(Syosset)高中学生毕业要求和九至十二年级学生高中推荐的课程的主要内容。根据纽约州教育厅的建议要求，赛次雪高中提供给所有学生不同程度的课程和范围广泛的选修课。在进行课程选择时，要仔细认真考虑个人的教育和职业目标。由于在决定过程中有许多影响决定的因素，学生应该征询他们家长、老师和辅导员的意见，然后才做最后选择。这本手册可做为参考之用。如果家长需要帮助将手册翻译成非英语的其它语言，请与你们孩子的教练辅导员(Guidance Counselor)联系。

א. הקדמה

חוברת זו מילגה מידע חשוב על המדרש לטיסות הלימודים וכן על הקורסים ובתיibus בכיתות ט עד יב בתיכון סייסט. לפי המלצות אגף הדינר של מדינת ניו יורק, תיכון סייסט מספק לכל תלמידיו הדרכה ברמה שונות ומגוון שיעורים לבחירה. בהתאם הקורסים צוינה להנחיות אחר בחינה זהירה של מטרות למד וחובה. מכיוון שיש כמה וכמה גנרטים משתנים המשפיעים על תהליכי קבלת החלטה, יש על התלמיד לחמוץ עם הוריו, מוריו, ירעציו החדיטים, לפני שבוא להחלטות סופיות. שיטרו על החוכמת לאוביור חחר במשך שנת הלימודים, אם ההורם צרכם עורה בתוצאות תוכן החוברת לשפה אחרת חוץ מאנגלית, אנא צרו קשר עם ירעץ החיטין של ילדכם.

A. 서문

이 소책자에는 싸이오셋 고등학교 9학년부터 12학년 학생들에게 제공되는 출업요건 및 학과목에 관한 중요한 정보가 있습니다.

뉴욕주 교육부의 권고에 따라 싸이오셋 고등학교는 모든 학생들에게 분화된 수준의 교육과 다양한 선택과목을 제공하고 있습니다.

과목을 선정할 때 교육과 직업에 관한 목표를 세심하게 고려해야 합니다. 결정과정에 영향을 미치는 많은 요인들이 있으므로, 학생들은 결정하기전에 부모님과 상담교사와 미리 의논해야 할 것입니다.
이 학기가 끝날때 까지 이 소책자를 보관하십시오.

이 소책자에 있는 정보를 번역하는데 도움이 필요하시면, 상담교사에게 연락하십시오.

A. 序文

このマニュアルには、サイオセットハイスクールの卒業資格と9年生から12年生で設けられているカリキュラムについて重要な情報が含まれています。サイオセットハイスクールは、ニューヨーク州教育省の勧告に従い、異なるレベルの教育内容と幅広い選択科目を全生徒に提供しています。自分の教育、職業のゴールを十分に検討したうえで、科目的選択を行ってください。意思決定プロセスを左右する要因は数多くありますので、生徒は最終的な決断をする前に、保護者、教師、ガイダンスカウンセラーに相談してください。学年度が終わるまで、このマニュアルを参考のために保存しておいてください。保護者のなかで、本マニュアルの内容を英語以外の言語に翻訳するのに補助が必要な方は、ご自分のお子さんのガイダンスカウンセラーにご連絡ください。

А. ВВЕДЕНИЕ

Это пособие содержит важную информацию о требованиях для окончания школы и об обязательной учебной программе с 9-го по 12-ый класс в High School г. Сойоссет. Наш школьный округ следует рекомендациям Учебного Департамента Штата Нью-Йорк, Syosset High School обеспечивает всех студентов наличием программ различной обучение и наличием многочисленных предметов свободного выбора. Выбор предметов следует делать только после серьезного обдумывания целей образования и будущей карьеры. Поскольку многие факторы влияют на принятие этого решения, студентам следует советоваться с родителями, учителями и советниками из guidance, прежде чем они сделают свой окончательный выбор. Сохраните это пособие для справок на весь учебный год. Если родителям нужен перевод информации из этого пособия на любой язык, кроме английского, пожалуйста, обращайтесь к guidance counselor вашего ребенка.

A. INTRODUCCIÓN

Este manual contiene información importante acerca de los requisitos de graduación en la Escuela Secundaria de Syosset y el currículum ofrecido en los grados del nueve hasta el doce. Al seguir las recomendaciones del Departamento de Educación del Estado de Nueva York, la Escuela Secundaria de Syosset provee a todos los estudiantes a través de niveles diferenciados de instrucción una gran variedad de escogencia. La selección de cursos debería estar hecha sólo después de consideración cuidadosa de metas educativas y de carreras. Tomando en cuenta que hay muchos variables que afectan el proceso decisorio, los estudiantes deberían de consultar a sus padres, maestros, y sus consejero antes de hacer elecciones finales. Guarde este manual para referencia a lo largo del año escolar. Si los padres necesitan asistencia en traducir la información en este manual a los idiomas aparte del inglés, por favor contacten al consejero de su hijo(a).

A. Introduksiyon

Ang manuwal na ito ay mga importanteng impormasyon tungkol sa mga kinakailangan para sa pagtatapos o graduwasyon, at itong manuwal ay may mga impormasyon tungkol sa kurikulum ng gradong siyam hanggang labindalawa sa Syosset High School. Ang Syosset High School ay sumusunod sa rekomenedasyon ng New York State Departamento ng Pag-aaral, at ang Syosset High School ay nagbibigay ng maraming mapagpipilian at ng iba ibang patag ng pagtuturo sa lahat ng estudyante. Bago pumili ng paksa o curso, dapat isiping mabuti kung ano and gusting karera o tunguhin sa pag-aaral. Sapagkat maraming bagay and nag iimpluwensiya sa mga disisyon, and mga estudyante ay dapat makipagkonsulta sa kanilang magulang, guro, at guidance counselor bago gumawa ng pinal na mapagpipilian. Itago and manuwal na ito upang magamit na reperensiya sa buong taon. Kung kailangan ng mga magulang ng tulong sa pagsasalin sa ibang wika, hindi Ingles, tungkol sa impormasyon sa manuwal na ito, paki tawagan and guidance counselor ng inyong anak.

**PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN
OUTSIDE OF SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.**

B. GRADUATION REQUIREMENTS

The New York State Board of Regents mandates the requirements listed. It is important to become familiar with the specific requirements for your class.

MINIMUM GRADUATION REQUIREMENTS – CLASS OF 2019 - 2022

<u>Required (Core) Subjects</u>	<u>Local and Regents Diploma</u>	<u>Advanced Regents Diploma</u>
English	4.0 Units	4.0 Units
Social Studies	4.0 Units	4.0 Units
Mathematics	3.0 Units	3.0 Units
Science	3.0 Units	3.0 Units
World Language	1.0 Unit	3.0 Units (*2)
Health	.5 Unit	.5 Unit
The Arts	1.0 Unit	1.0 Unit
Electives	3.5 Units	1.5 Units
Physical Education	<u>2.0 Units</u>	<u>2.0 Units</u>
TOTAL	22.0 Units	22.0 Units

EXAMINATION REQUIREMENTS

In addition to passing the required courses listed, New York State has established examination requirements.

1. **For the Regents Diploma**, student must achieve a score of **65** on the Comprehensive English CCSS examination, Integrated Algebra CCSS examination, the Global History and Geography Regents examination, the U.S. History and Government Regents examination, and one Science Regents examination.
- *2. **For the Advanced Regents Diploma**, in addition to the above, student must achieve a minimum score of **65** on the Geometry CCSS and Algebra II CCSS examinations, an additional Science Regents examination, (Physical Setting, one Life Science), and two additional World Languages units and achieve a score of **65** on a World Languages Checkpoint B examination.

In addition, students completing a five-unit sequence in career and technical education or the arts (visual arts, communication arts, music, or theater) are not required to complete the additional two units of World Languages but must still meet the requirements for the total number of units of credit.

3. **Local Diploma** – Additional graduation pathways and options are available for students with disabilities. Students and parents should contact their guidance counselor and/or teacher of record for more information.

The multiple pathways to graduation are available on the NYS website:
<http://www.nysed.gov/curriculum-instruction/multiple-pathways>

4. Credential Options

a. Career Development and Occupational Studies Commencement Credential (CDOS). This credential is available to all students other than those who are NYS Alternately Assessed (NYSAAs).

b. Skills and Achievement Commencement Credential. This credential is available to students with severe disabilities and are assessed using the NYS Alternate Assessment (NYSAAs).

All students must participate in physical education each semester and earn the equivalent of two (2) credits by graduation.

C. CURRICULUM

1. Electives

All students are expected to exceed the minimum graduation requirements. The extensive elective choices are available for students to explore their potential future paths and to be prepared for an ever changing world. Students should look to these programs for enrichment and expansion of their knowledge base. Students should discuss these options with their Guidance Counselor.

2. Academic Load Requirements

Seniors - five (5) periods of subjects plus physical education

Juniors - six (6) periods of subjects plus physical education

Sophomores and freshmen - eight (8) periods of subjects including physical education

Exceptions include the work experience program, occupational education, and the internship program in independent studies. Students who are in their fifth year must take only the courses they need to graduate. **For juniors and seniors, Resource Room/Instructional Support are in addition to their minimum academic load.**

3. Class Standing - Class of 2019-2022

The number of credits required to maintain class standing is as follows:

Grade 10 - 6.0 Credits

Grade 11 - 11.0 Credits

Grade 12 - 16.0 Credits

4. Valedictorian and Salutatorian

The principal and his committee will determine the valedictorian and salutatorian by reviewing the academic records at the conclusion of the fall semester of the twelfth grade. If, however, there is no clear distinction, the determination will not be made until the third marking period. In order to be considered for the distinction of valedictorian or salutatorian, a student must have been in attendance in Syosset High School for four semesters of the seven used in this process.

5. Tracking and Acceleration

Based on a student's achievement record and academic ability, the school will place him/her in a program in English, social studies, and world languages most suited to his/her immediate needs. Similarly, in science and mathematics, students who qualify may take certain courses a year earlier than usual.

Students considering a change in course level after the school year begins must complete a Program Change Request Form in consultation with their counselor.

If a change in course level occurs after the first marking quarter grades are issued, grades from the former class will be transferred to the new class.

At the end of the course, the receiving teacher may substitute a final grade (one grade higher or lower, e.g., B+ to an A or A to B+) that more accurately reflects the student's level of achievement. This procedure requires the approval of the department administrator and principal. A Grade Correction form must be completed and filed.

6. **Prerequisites**

Please check the course descriptions for prerequisites.

D. PROGRAM PLANNING

It is an important function of the High School to help each student individualize course selections in order to explore interests, develop skills and meet educational or career requirements.

Curriculum presentations and orientation programs are designed to provide for a more informed selection of courses. The process for planning will include the following:

1. Program Planning Day
2. Teachers make recommendations for course selections
3. Scheduled Guidance Counselor meetings with individual students to review course placements
4. Program verification forms will be made available to parents
5. Guidance Counselors will be available throughout the process to assist planning

E. ADVANCED PLACEMENT PROGRAM

The Advanced Placement Program provides challenging, college-level experiences that better prepare students for the demands of college work. This should be the primary reason for choosing this enriched experience. Although many of the nation's colleges and universities award credit, advanced placement, or both on the basis of exam grades, Syosset High School does not guarantee that this will occur. Those decisions are determined by the policies of individual colleges and universities.

Advanced Placement examinations, which are an integral part of the experience and a requirement for use of the A.P. trademark in the course title, are administered in May. It is the expectation of Syosset High School that every A.P. student will sit for the exam in May. If a student is unable to meet this expectation, he/she should discuss it with the guidance counselor. **Student concerns regarding the cost of exams, college A.P. policies, and personal college admission decisions should be raised during the course selection process, not during the May examination period.** Any student who does not complete the A.P. exam for any reason will be required to complete a final exam of equal duration and difficulty.

Students should be mindful of the number of Advanced Placement courses they take during the school. It is important to adhere to your teacher's recommendation for placement of these courses.

F. COLLEGE COURSES

Courses sponsored by colleges such as Syracuse University, LIU, SUNY Farmingdale, SUNY Stony Brook, and Five Towns College are available in English, Social Studies, Mathematics, World Languages, Business Education, Human Ecology, Technology, and Theatre Arts. These courses provide an enriching college experience and college credit for many of our students. Although many other colleges will accept these credits, Syosset High School does not guarantee that this will occur. Those decisions are determined by the policies of individual colleges and universities. **All students who choose to enroll in a college-sponsored course are required to pay the reduced tuition fees in the amount and by the deadline established by the colleges.**

G. COLLEGE ADMISSIONS TESTS

Preliminary SAT (PSAT)/National Merit Qualifying Test (NMSQT)

The test measures Evidence Based Reading, math and writing skills that students develop over many years, both in and out of school. The test is intended to let students practice for the SAT Reasoning Test and enter the National Merit Scholarship competition. The PSAT is generally administered to students in October of junior year. A sophomore who is considering this exam should discuss it with their guidance counselor to determine if he/she has the background that is covered on the test.

<https://collegereadiness.collegeboard.org/psat-nmsqt-psat-10/inside-the-test/key-features>

SAT Test

This test measures Evidence Based Reading, writing, and mathematical skills. Scores from this test provide colleges with a way to compare the academic preparation and ability of students who apply for admission. In general, students will take the SAT Reasoning Test for Spring of their junior year. The link below provides a description of the exam:

<https://collegereadiness.collegeboard.org/sat/inside-the-test/key-features>

American College Testing (ACT) Program

This test measures skills in English, mathematics, reading, science reasoning, and writing. We recommend that every student take this test with the writing section. These areas are tested because they include the major areas of instruction in most high school and college programs. Scores from the test measure how well you can perform skills necessary for college coursework. Most colleges accept ACT scores for admission and placement as readily as they do SAT scores. In general, a student should register to take the ACT Spring of their junior year. The link below provides a description of the exam: <https://www.act.org/content/act/en/products-and-services/the-act.html>

SAT Subject Tests

These tests measure knowledge or skills in a particular subject and your ability to apply that knowledge. The tests are required for admissions and/or placement at some of the more competitive colleges (consult the college's catalogue or website for specific information). The course descriptions that follow will include a reference to an SAT Subject Test if one is available.

Consult the SAT Registration Bulletin or [collegeboard.org](https://collegereadiness.collegeboard.org) for applicable test dates and registration procedures. Also, speak with your counselor if you have questions about the appropriateness of the test(s) for you.

SAT Subject Tests are administered at Syosset High School in Literature, U.S. History, World History, Mathematics, Biology, Chemistry, Physics, French, German, Modern Hebrew, Italian, Latin, and Spanish.

The following high school courses will prepare you for an SAT Subject Test:

1330	CCSS Foundations of College English	4110	Living Environment Honors
1410	AP English Language & Comp.	4120	Living Environment Regents
2130	AP World History	4310	Chemistry Honors
2200	AP European History	4320	Chemistry Regents
2210	AP World History 2	4550	AP Physics 1
2220	Global History 10 Regents	4560	AP Physics 2
2300	AP U.S. History & Gov't.	4420	Physics
2310	Project Advance U.S. History	5090	French 4 Honors
2320	U.S. History & Gov't. 11 Regents	5390	Italian 4 Honors
3040	Math Theory Honors	5490	Spanish 4 Honors
3360	Precalculus		
3390	College Partnership Precalculus		
3680	Algebra 2 CCSS Honors		

H. SUMMER SCHOOL ADMISSION REQUIREMENTS

- A student must have been registered and in attendance for 75% of the course during the school year in order to attend summer school. Unusual cases, due to extenuating circumstances, may be appealed to the high school principal.
- In order to receive credit for any summer school course, **a student must obtain prior written approval.**
- For courses taught in the Syosset Central School District Program, the approval of the guidance counselor or principal is required on the registration form.
- For all other programs, both the appropriate department administrator and the principal must approve the course on the out-of-district summer school form.
- **Participation in accelerated six-week high school summer school programs must be approved by the appropriate department administrator and the principal prior to enrollment.**

I. STUDENT EXPENSES

In certain courses students are expected to incur some reasonable expenses. They include materials used in the construction of projects which are kept by the students, articles of clothing appropriate to the activities in which they will participate, review books, field trips that are an integral part of the course, college tuition expenses, and Advanced Placement Exam fees. If a student cannot afford to pay for a particular item, he/she should speak with the administrator of the respective department. The expenses are listed with the course description

GUIDANCE

The Developmental School Counseling Program of Syosset secondary schools is a comprehensive plan of academic, career and personal development. It is an integral part of the total school program and supports the goals established for all students.

The Syosset School Counseling Program emphasizes the relationship between student and counselor. It is the key to a successful program. Through a series of sequential and developmental activities, the counselor ensures that he/she is meaningfully involved with each student during each year of the secondary school experience. In this way the student is in the best position to learn, plan, and make positive decisions with the ongoing support and assistance of a counselor that knows him/her well.

Integral to the success of a comprehensive, developmental program is a team approach that requires the cooperation and involvement of parents, staff members, and community organizations.

Career Education is an important component in a developmental school counseling program. It is important for all students, parents, staff and community members to know that Syosset High School offers a wide variety of vocational education programs without regard to sex, race, color, national origin or disability. For more information, please contact your child's counselor.

SYOSSET HIGH SCHOOL GUIDANCE SERVICES FOR ALL STUDENTS

GRADE 9:

- Small Group Student Orientation to Guidance Services
- Evening Parent Orientation Workshop
- Do what you are - small group career exploration activity – Naviance Student
- Programming for Grade 10 – classroom introduction and individual student course selection meeting
- Guidance newsletter emailed home bi-monthly

GRADE 10:

- Career Decision-Making Program – small group career exploration activity – career planner Naviance Student
- Evening 10th grade workshop for parents and students
- Programming for Grade 11 – classroom introduction and individual student course selection meeting
- Guidance newsletter emailed home bi-monthly

GRADE 11:

- PSAT/SAT/ACT Registration
- Evening College Testing Workshop for parents and students
- Evening College Search Workshop for parents and students
- Programming for Grade 12 – classroom introduction and individual student course selection meeting
- Individual Parent/Student Conferences in the winter – exploration of post-secondary opportunities – discuss application procedures through Naviance Student
- Guidance newsletter emailed home bi-monthly
- College Night for parents and students
- College Essay Workshop for juniors
- Naviance Student groups with counselor - spring

GRADE 12:

- Senior Day - a college transitioning workshop for all 12th grade students
- Senior Meetings to Review College Application Process – small group overview
- SAT/ACT Registration
- Evening College Application Workshop for parents
- College Essay Workshop for students
- Grade Point Average Distribution
- Senior Bulletin Publication of scholarship, financial aid, college, military, and employment information mailed home monthly
- Financial Aid Night for parents
- College Admissions Representative Visits
- College Admissions On-site Evaluations (Local Colleges)
- Naviance Student: <https://student.naviance.com/syosset>
- Interview Workshop for College/Employment
- Naviance meetings to review the program - small group overview
- College Boot Camp – two days in the summer (dates TBD)

Naviance Student

Naviance Student allows parents and students to research colleges by comparing GPA, standardized test scores, and other statistics to actual historical data from our high school for students who have applied and been admitted in the past. In addition to general and admissions information, parents and students can access college information on academics, cost and financial aid, student body characteristics, extracurricular and athletic programs. A link to each college's website is provided.

Students and parents may log onto their shared account where they will have access to the student's personal academic information (GPA, SAT scores). Students may begin compiling their list of prospective colleges and compare their own credentials with recent Syosset applicants to those schools. With the ability to view the application outcomes (accepted, denied, waitlisted) for recent applications using GPA and SAT scores, students can gauge their chances of acceptance by comparing personal GPA/SAT statistics with those of successful applications.

This program also offers an in-depth career and personality profiler. Students *will participate in small groups with their guidance counselor to complete these assessments to help them decide in which high school elective courses they may want to enroll. These programs* offer a series of career assessments which also helps students discover multiple career options and plan their career paths based on general areas of interest, level of education, and training required to achieve their individual goals and objectives.

Naviance Programs offered through Guidance include:

- 9th grade - *Do What You Are* Personality Profile Assessment in December
- 10th grade - Career Cluster Assessment in March
- 11th grade - Naviance Student College Review Groups in April
- 12th grade - Naviance Application Groups in September

Naviance Student link: <https://student.naviance.com/syosset>

SERVICES ACROSS ALL GRADE LEVELS:

- Individual and Group Counseling
- Special Education Guidance and Counseling
- Enrichment Program Information
- Employment Opportunities – Part-time Work
- Academic Advisement
- Drug and Alcohol Education
- Peer Mediation
- Peer Tutoring
- Scholarship Information
- Student Athlete Workshop
- Vocational Opportunities
- Career Exploration
- Internships
- Evening Counseling Appointments
- Parent Awareness Workshops
- Psychological/Social Work Liaison and Referral Services
- Study Skills Workshop
- Guidance Resource Center
- Divorce Group
- Women's Group
- Stress Management Group
- New Student Group
- Ninth Grade Support Groups
- Volunteer Opportunities
- Bereavement Group

ACADEMIC INDEPENDENT STUDIES

Fall Course Offerings

6491 Art
5791 Business
1791 English
7391 Human Ecology
4791 Health
3791 Mathematics
6791 Music
8391 Physical Education
4391 Science
2791 Social Studies
9191 Special Education
7791 Technology
5391 World Languages

Spring Course Offerings

6492 Art
5792 Business
1792 English
7392 Human Ecology
4792 Health
3792 Mathematics
6792 Music
8392 Physical Education
4392 Science
2792 Social Studies
9192 Special Education
7792 Technology
5392 World Languages

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See Department Administrators

ACADEMIC INDEPENDENT STUDIES

Syosset High School's Independent Study Program offers students an opportunity to use their talents in an individualized pursuit of self-determined educational goals. The program is divided into two parts--the academic and the professional internship. Students can contract for no more than one independent study project in a single semester, fall or spring, and earn one-half credit for the successful completion of a semester's work. In certain cases a contract may be extended for an additional semester.

To apply for either portion of the program, students must submit proposals for their projects. Application does not guarantee acceptance. The appropriate advisor reviews each proposal. Students who are accepted may have their scholastic programs and class schedules adjusted to allow them appropriate time to pursue their studies during the school day. However, all students will take no less than 5-1/2 credits.

Parental permission is required for enrollment in independent study. **For questions regarding the academic research program, the student's guidance counselor should be contacted. For questions regarding the internship program, the Business Education Dept. should be contacted at 364-5718.**

ACADEMIC RESEARCH PROGRAM

This aspect of independent study affords the participant an opportunity to explore in depth an area of his/her particular intellectual interest and talent. It is, in effect, an opportunity for the student to write his/her own curriculum within guidelines.

Interested students should see his/her guidance counselor who will direct the student to the appropriate department administrator. The project must be discussed and approved by the department administrator. Preceptors will be assigned with the help of the department administrator.

TIME AVAILABLE: fall and spring

Art	F-6491 S-6492	Physical Education	F-8391 S-8392
Business	F-5791 S-5792	Science	F-4391 S-4392
English	F-1791 S-1792	Social Studies	F-2791 S-2792
Human Ecology	F-7391 S-7392	Special Education	F-9191 S-9192
Health	F-4791 S-4792	Technology	F-7791 S-7792
Mathematics	F-3791 S-3792	World Languages	F-5391 S-5392
Music	F-6791 S-6792		

ELIGIBILITY:

Students must have senior or junior status.

APPLICATIONS:

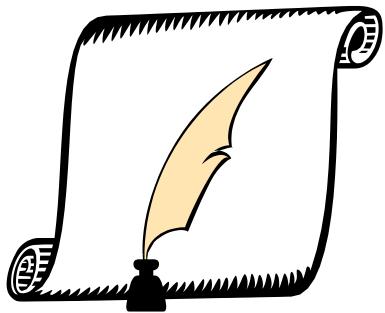
All applicants must submit proposed designs for their projects by May 11, 2018 for fall term participation and by January 3, 2019 for spring term participation.

PRECEPTORS:

Participants will be assigned to faculty preceptors (advisors). They will be expected to work closely with the preceptors in seeking guidance in the areas of content, source materials, and techniques pursuant to their projects. Arrangements to these ends are the responsibility of the students and their preceptors.

RESPONSIBILITIES:

Each student is to produce a creditable written result of his/her research bearing the approval of his/her preceptor and the appropriate chairperson/coordinator. In many cases, students will be required to make a presentation of their research to a panel of teachers and/or resource people.



ADVANCED RESEARCH PROGRAM

- 9624 Advanced Research 10
- 9654 Advanced Science Research 11
- 9664 Advanced Social Science Research 11
- 9674 Advanced Mathematics/Computer Research 11
- 9684 Advanced Science Research 12
- 9694 Advanced Social Science Research 12
- 9774 Advanced Mathematics/Computer Research 12

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Coordinator of Mathematics
Dr. John Genova 364-5705

Coordinator of Science
Raymond Loverso 364-5711

Administrative Assistant of Social Studies
Thomas Fusco 364-5714

ADVANCED RESEARCH PROGRAM

All major disciplines at Syosset High School expose the student body to the techniques required to conduct a research investigation. The highly motivated research oriented student has the unique opportunity to participate in our Three Year Advanced Research Program which has interdisciplinary options. These Advanced Research classes meet ninth period on alternate days throughout the school year. Students are awarded a half-unit bonus credit for this honor's class. A team comprised of business, mathematics, science, social studies, and technology teachers work with this select group of students. All research students will be encouraged to participate in research during one summer. The recommended summer research should be taken between their junior year and senior year. It is hoped that the summer of research is coordinated with an established research program/facility or with a researcher from a university, hospital, laboratory, etc.

All 9th grade honors science students take Research 1. Students must apply to Advanced Research 10. A completed application form and two teacher recommendations must be submitted in the spring prior to admission to the program. One recommendation must be from a science teacher, and the other is from either an English, math or social studies teacher. A maximum of 48 tenth grade students are selected each year to participate in the tenth grade Advanced Research Program. Students will be taught the process of research and will be required to do research in one of the following disciplines: mathematics, science, or social science

9624 ADVANCED RESEARCH 10

(Science, Mathematics, or Social Science)

Year, 1 Period, Ninth Period Alternate

Day, ½ credit bonus point

Prerequisite: Completion of Research 1 (4614) with a B+ or better, completion of an advanced research application and teacher recommendations.

Co-requisite: Honors chemistry

Recommended for: Honor students, who in addition to being strong academically, are highly motivated to conduct research

Description: Advanced Research 10 students are given the opportunity to choose a research topic in mathematics, science, or social science. **Science** students choose a research topic that will be the focus of their work during the entire school year. The project may involve areas that focus on cause and effect relationships or practical applications of science in any of its branches. Background research is conducted, students plan a procedure and gather necessary materials, devices are built, data is collected and analyzed, and a paper is written. Fifteen projects are selected to participate in the Long Island Science Congress. **Social Science** students begin work on a topic that both suits their interest and is a manageable one to study after having visited libraries and read academic journals. A research design is developed, the SHS Institutional Review Board reviews it, field studies are conducted, data is analyzed using a variety of statistical formulas, conclusions are reached, a determination for future studies are made, and a paper is written. **Mathematics** students analyze problems and do mathematical research. They are required to read articles; and after an area of interest is determined, article summaries are written that are relevant to the subject they have selected. Open-ended questions are constructed, and

a paper is written which is submitted to the Long Island Math Fair. A business education teacher will assist all Advanced Research 10 students in preparing presentation materials and skills to support the communication of their research. All Advanced Research 10 students: abstracts are published in the SHS Abstract Journal, construct research presentation boards, prepare an oral presentation, and compete in the SHS Research Fair.

9654 ADVANCED SCIENCE RESEARCH 11

Year, 1 Period, Ninth Period Alternate Day, ½ credit bonus point

Prerequisites: Completion of Research 1 (4614) & 2 (4624) or Advanced Research 10 (9624)
Statistics is highly recommended.

Recommended for: Highly motivated research students.

Description: **Advanced Research 11** is an elective course. Students refine their research skills while conducting new or continued investigations in mathematics, science, or social science. Although it is not a requirement, students often choose to work with a mentor at a university or research facility outside the high school. In such cases, students must provide their own transportation. **Science** students do background research, select a topic, formulate an experimental design, present appropriate project proposals to the SHS Institutional Review Board (IRB)/Scientific Review Committee (SRC), conduct research, analyze their data, draw conclusions, and write a paper. A mathematics teacher will provide a foundation and support in the statistical analysis of their projects. A business education teacher will assist all Advanced Research 11 students in preparing presentation materials and skills to support the communication of their research. Each student is also required to construct a research presentation board, prepare an oral presentation, and compete in the SHS Research Fair. All Advanced Research 11 student abstracts are published in the SHS Journal of Abstracts.

9664 ADVANCED SOCIAL SCIENCE RESEARCH 11

Year, 1 Period, Ninth Period Alternate Day, ½ credit bonus point

Prerequisites: Completion of Research 1 (4614) & 2 (4624) or Advanced Research 10 (9624)
Statistics is highly recommended.

Recommended for: Highly motivated research students.

Description: **Advanced Research 11** is an elective course. Students refine their research skills while conducting new or continued investigations in mathematics, science, or social science. Although it is not a requirement, students often choose to work with a mentor at a university or research facility outside the high school. In such cases, students must provide their own transportation. **Social Science** students do background research, select a topic, formulate an experimental design, present appropriate project proposals to the SHS Institutional Review Board (IRB)/Scientific Review Committee (SRC), conduct research, analyze their data, draw conclusions, and write a paper. A mathematics teacher will provide a foundation and support in the statistical analysis of their projects. A business education teacher will assist all Advanced Research 11 students in preparing presentation materials and skills to support the communication of their research. Each student is also required to construct a research presentation board, prepare an oral presentation, and compete in the SHS Research Fair. All Advanced Research 11 student abstracts are published in the SHS Journal of Abstracts.

9674 ADVANCED MATHEMATICS/COMPUTER SCIENCE RESEARCH 11

Year, 1 Period, Ninth Period Alternate Day, ½ credit bonus point

Prerequisites: Completion of Research 1 (4614) & 2 (4624) or Advanced Research 10 (9624)
Statistics is highly recommended.

Recommended for: Highly motivated research students.

Description: **Advanced Research 11** is an elective course. Students refine their research skills while conducting new or continued investigations in mathematics, science, or social science. Although it is not a requirement, students often choose to work with a mentor at a university or research facility outside the high school. In such cases, students must provide their own transportation. **Mathematics/Computer Science** students analyze problems, do mathematical research, and submit summaries of articles relevant to the subject they have selected. Open-ended questions are constructed, and a paper is written which is submitted to the Long Island Math Fair. A business education teacher will assist all Advanced Research 11 students in preparing presentation materials and skills to support the communication of their research. Each student is also required to construct a research presentation board, prepare an oral presentation, and compete in the SHS Research Fair. All Advanced Research 11 student abstracts are published in the SHS Journal of Abstracts.

9684 ADVANCED SCIENCE RESEARCH 12

Year, 1 Period, Ninth Period Alternate Day, ½ credit bonus point

Prerequisite: Completion of Advanced Research 11. AP Statistics is highly recommended.

Description: **Advanced Research 12** is an elective course. The focus of the seminar is to prepare students for research competitions. First semester students complete data collection and analysis of work conducted during the summer or during their junior year. A formal paper must be written. Applications to major research competitions are made available to students. All Advanced Research 12 students are required to submit their papers to the Regeneron Science Talent Search. Second semester students work on their oral presentations and make display boards. Students are required to present their papers at the competitions to which they are invited. All Advanced Research 12 students' abstracts are published in the SHS Journal of Abstracts and papers are presented at the SHS Research Fair.

9694 ADVANCED SOCIAL SCIENCE RESEARCH 12

Year, 1 Period, Ninth Period Alternate Day, ½ credit bonus point

Prerequisite: Completion of Advanced Research 11. AP Statistics is highly recommended.

Description: **Advanced Research 12** is an elective course. The focus of the seminar is to prepare students for research competitions. First semester students complete data collection and analysis of work conducted during the summer or during their junior year. A formal paper must be written. Applications to major research competitions are made available to students. All Advanced Research 12 students are required to submit their papers to the Regeneron Science Talent Search. Second semester students work on their oral presentations and make display boards. Students are required to present their papers at the competitions to which they are invited. All Advanced Research 12 students' abstracts are published in the SHS Journal of Abstracts and papers are presented at the SHS Research Fair.

9774 ADVANCED MATHEMATICS/COMPUTER SCIENCE RESEARCH 12

Year, 1 Period, Ninth Period Alternate Day, $\frac{1}{2}$ credit bonus point

Prerequisite: Completion of Advanced Research 11. AP Statistics is highly recommended.

Description: **Advanced Research 12** is an elective course. The focus of the seminar is to prepare students for research competitions. First semester students complete data collection and analysis of work conducted during the summer or during their junior year. A formal paper must be written. Applications to major research competitions are made available to students. All Advanced Research 12 students are required to submit their papers to the Regeneron Science Talent Search. Second semester students work on their oral presentations and make display boards. Students are required to present their papers at the competitions to which they are invited. All Advanced Research 12 students' abstracts are published in the SHS Journal of Abstracts and papers are presented at the SHS Research Fair.

ART

- 6010** Studio In Art
- 6114** Foundations in Art 1 – Alt.
- 6124** Foundations in Art 2 – Alt.
- 6160** Advertising Design
- 6150** Advanced Advertising Design
- 6234** Art History – Alt.
- 6250** Ceramics and Sculpture
- 6260** Advanced Ceramics and Sculpture
- 6374** Crafts – Alt.
- 6240** Film and Computer Animation
- 6281** Drawing – Fall
- 6282** Drawing – Spring
- 6292** Advanced Drawing – Spring
- 6340** Fashion Illustration and Design
- 6350** Advanced Fashion Design
- 6394** Computer Art – Alt.
- 6264** Advanced Computer Art – Alt.
- 6400** Painting
- 6434** Photo 1 – Alt.
- 6444** Photo 2 – Alt.
- 6454** Photo 3 – Alt.
- 6464** Digital Photography – Alt.
- 6484** Advanced Digital Photography – Alt.
- 6480** Stagecraft 1
- 6474** Stagecraft 1 – Alt.
- 6490** Stage Design and Production
- 6494** Stage Design and Production – Alt.
- 6190** Advanced Placement Art History
- 6020** Advanced Placement Studio Art: 2-D Design Portfolio
- 6040** Advanced Placement Studio Art: 3-D Design Portfolio
- 6030** Advanced Placement Studio Art: Drawing Portfolio
- 6140** Art Portfolio
- 6491** Independent Study – Fall
- 6492** Independent Study – Spring

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Coordinator of Fine and Performing Arts
Michael Salzman 364-5724

ART DEPARTMENT

The Art Department offers a full range of courses in every art medium to satisfy the needs and interests of every student. Facilities for specialized processes are available as well as for the conventional avenues of expression. Through the wide variety of courses, students have the opportunity to develop artistic skills, an understanding of art, sensitivity to design, and an appreciation for order and beauty. Graduation honors must include one of the options listed below for the one-year graduation requirement, as well as fulfillment of normal honors criteria.

There are several options from which to choose:

1. Students pursuing an Advanced Regents Diploma using a five-unit sequence in art, must include STUDIO IN ART or FOUNDATIONS IN ART 1 AND 2.
2. Art courses that emphasize commercial skills. These include ADVERTISING DESIGN, ADVANCED ADVERTISING DESIGN, FASHION DESIGN, ADVANCED FASHION DESIGN, PHOTOGRAPHY, COMPUTER ART, ADVANCED COMPUTER ART, FILM AND COMPUTER ANIMATION, and DIGITAL PHOTOGRAPHY.
3. Art courses that have no prerequisites. These are: STUDIO IN ART, FOUNDATIONS IN ART 1 and 2, COMPUTER ART, CRAFTS, DRAWING, PHOTO 1 ALT, DIGITAL PHOTOGRAPHY, FILM AND COMPUTER ANIMATION, STAGECRAFT, STAGE DESIGN and PRODUCTION, ART HISTORY, and AP ART HISTORY.
4. Art courses that fulfill the one-year graduation requirement. Students can choose from:
STUDIO IN ART, (1 credit) or any two of the following:
FOUNDATIONS IN ART 1
FOUNDATIONS IN ART 2
CRAFTS
COMPUTER ART
DIGITAL PHOTOGRAPHY
PHOTO 1
ART HISTORY

6010 STUDIO IN ART

Year, 1 Credit, 1 Period

Prerequisites: None

Required for: An art sequence or admission to any advanced art course. Meets the graduation requirement of one credit in the arts.

Recommended for: Students who plan to continue to elect art courses in high school and those interested in art.

Description: Fundamentals of design and composition are taught. Projects explore the areas of drawing, painting and sculpture in a variety of media.

6114 FOUNDATIONS IN ART 1 – ALT.

6124 FOUNDATIONS IN ART 2 – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Required for: Foundations In Art 1 and 2 can replace Studio In Art as the requirement for an art sequence and as the prerequisite for advanced art courses. Can be used toward satisfying the one-year graduation requirement in the arts.

Recommended for: Students with a general interest in art and those who may want to continue with more advanced art courses.

Description: Fundamentals of two and three dimensional design and composition are taught.

Foundations 1 is primarily a two dimensional course. Foundations 2 focuses primarily on three dimensional work. Projects explore the areas of drawing, painting, sculpture, and design.

6160 ADVERTISING DESIGN

Year, 1 Credit, 1 Period

Prerequisites: Studio in Art, Foundations in Art 1, Computer Art, or Digital Photo

Required for: Advanced Advertising Design

Recommended for: Students interested in learning the fundamentals of advertising design.

Description: Students will learn the basics of graphic design including an introduction to general advertising and all aspects of visual communications. In addition to classroom assignments to learn these skills, students will create brochures, cover designs and posters for the school musical and play, spring and winter concerts, art exhibits, and many other school and community activities. Computer software includes Adobe Illustrator and Adobe Photoshop.

6150 ADVANCED ADVERTISING DESIGN

Year, 1 Credit, 1 Period

Prerequisites: Advertising Design

Recommended for: Students planning to major in advertising or communications in college or those who want to further develop their skills in graphic design and commercial layout.

Description: Students will use advanced graphic design skills to produce camera-ready mechanicals. In addition to creating these mechanicals as classroom assignments, mechanicals will be used by professional printers to print booklets, brochures, and other documents to meet the visual communication needs of the school and community. Advanced layout and design skills will be applied with computer software including Adobe Illustrator and Adobe Photoshop.

6234 ART HISTORY – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Description: A “hands-on” approach to understanding the history of art. Projects of varying media and techniques will be explored; including 2-D, 3-D, mixed media as well as painting and drawing.

Required for: Can be used toward satisfying the one-year graduation requirement in the arts.

6250 CERAMICS AND SCULPTURE

Year, 1 Credit, 1 Period

Prerequisites: Studio in Art, Foundations I or II, or Crafts

Recommended for: Students who want to work in three dimensional media and who enjoy clay, wood, and other sculptural materials.

Required for: Advanced Ceramics and Sculpture and AP 3D

Description: Using the ceramics techniques of coil building, slab building, wheel throwing, glazing, and firing, students will create clay objects that are functional and sculptural. The materials explored in sculpture will also include wood, stone, plaster, and found objects. Large-scale outdoor sculptures may be considered.

6260 ADVANCED CERAMICS AND SCULPTURE

Year, 1 Credit, 1 Period

Prerequisites: Ceramics and Sculpture

Recommended for: Students who want to learn advanced techniques and media, to build upon skills learned in Ceramics and Sculpture.

Description: Students will learn the use of the potter's wheel, advanced firing and glazing techniques including salt glaze, majolica glazes and colored slip. Plaster of Paris carving, wire sculptures and the use of other media will be explored in great depth.

6374 CRAFTS – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Required for: Can be used toward satisfying the one year graduation requirement in the arts.

Recommended for: Students who wish to create functional objects that have beauty

Description: Students will use traditional and non-traditional materials to create a variety of decorative items which may include: jewelry, wire boxes, picture frames, baskets, clay pots, mosaics, stain glass, and more. This is an excellent course for students considering Ceramics and Sculpture in the future.

6240 FILM AND COMPUTER ANIMATION

Year, 1 Credit, 1 Period

Prerequisites: None, although experience working with PhotoShop software is recommended.

Recommended for: All students, with or without art backgrounds, who wish to learn how to create original animations using digital video and computers.

Description: Students will create film animations using a digital video camera and computers. Computer software will include: i-Life programs including Garage Band, i-DVD, Final Cut Pro, i-Stop Motion, and PhotoShop. Several techniques will be explored including traditional paper cel animation and claymation. For production economy the techniques taught will be based on the Japanese animation style "Anime", using camera motion to create animation in addition to traditional cel production. This is a course designed for any student who is interested in a career in Animation, Graphic Arts, Film, or Television. At the conclusion of this course, students will have produced a 3-5 minute animation as a strong portfolio piece on DVD.

6281 DRAWING

Fall, 0.5 Credit, 1 Period

AND

6282 DRAWING

Spring, 0.5 Credit, 1 Period

Prerequisites: None

Recommended for: Students who want to learn how to draw and art students who need work for their college portfolios. Also, this course is highly recommended for students interested in stage design, architecture, portfolio or AP studio art.

Description: Instruction in all aspects of drawing with pencil, pastel, marker, charcoal, and mixed media. Subject matter includes still lifes, animals, figures, abstractions, as well as individual choices.

6292 ADVANCED DRAWING

Spring, 0.5 Credit, 1 Period

Prerequisite: Drawing

Description: This course is offered to motivated art students who work well independently. Advanced art students are given the opportunity to steer the curriculum towards their own specific interests by creating their own individual projects. Students with interests in interior design, architecture or stage design, for example, could choose projects in these areas. All aspects of drawing as well as various techniques and tools will be included.

6340 FASHION ILLUSTRATION AND DESIGN

Year, 1 Credit, 1 Period

Recommended for: Students who are interested in the creative world of fashion design and illustration.

Description: This is an exciting introductory course which focuses on designing and illustrating garments as well as exposure to fashion industry standards. From concept to style development to creative decision making, students will design portfolio quality fashion pieces. Students will learn fashion figure proportions, color theory, fashion illustration techniques, and style development.

6350 ADVANCED FASHION DESIGN

Year, 1 Credit, 1 Period

Prerequisites: Fashion Illustration and Design.

Recommended for: Students who are interested in a fashion related career, and who want a demanding, but exciting course focusing on the fashion industry.

Description: This course presents advanced projects in fashion design and illustration.

Conceptual design projects will encourage students to think “outside of the box” and to create “Fashion Art”. Emphasis is placed on preparing a fashion portfolio. This course is a must for anyone serious about studying fashion on the college level.

6394 COMPUTER ART - ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Students interested in media arts and graphic design.

Description: Includes introductory units in computer graphics, digital imagery and computer multi-media. Using a variety of computer software, students will create original computer generated artwork. Computer software includes Adobe Illustrator, Adobe Photoshop and PowerPoint.

6264 ADVANCED COMPUTER ART – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: Computer Art

Recommended for: Students considering the study of a media arts related field in college or those who want to further develop their skills in graphic design and computer illustration.

Description: Students will create advanced projects that build upon their previous experiences with computer generated art. An advanced course that enhances and further develops the conceptual design skills needed for a career in the media arts. Computer software includes Adobe Photoshop, Adobe Illustrator and PowerPoint.

6400 PAINTING

Year, 1 Credit, 1 Period

Prerequisites: Studio In Art or Foundations In Art 1 and 2.

Recommended for: Students interested in learning how to paint, or increasing their knowledge of the subject.

Description: This course explores many types of painting. Techniques in many painting media will be explored including acrylic, watercolor, and tempera. Unusual and multi-faceted activities will be introduced including mixed media and abstract paintings and shaped canvases.

6434 PHOTO 1 - ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Required for: Photo 2

Recommended for: Students who want to improve their skills in photography and learn to work in a darkroom. Not limited to art students.

Expenses: Cameras, film and darkroom supplies are provided

Description: Photography 1 teaches techniques of camera usage, film developing, darkroom use and printing. Students are also introduced to the basics of photographic composition by reviewing and discussing the work of master photographers. Film, chemicals, and paper will be supplied.

6444 ADVANCED PHOTO 2 - ALT.

Year. 0.5 Credit, 1 Period on Alternate Days

Prerequisites: Photo 1

Required for: Photo 3

Recommended for: Students who desire to go beyond basic techniques and into more advanced darkroom processes and creative work.

Expenses: Cameras, film and darkroom supplies are provided.

Description: Includes portraiture, special effects, filters, high contrast and composite printing, collage and an emphasis on photography as a creative art form.

6454 PHOTO 3 - ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: Photo 3 or Advanced Digital Photography

Recommended for: Students with a strong interest in photography and a high degree of success in previous photography courses.

Expenses: Students are encouraged to provide their own 35mm film or digital camera.

Description: Students will be challenged to take on advanced photographic projects and will have the choice of working traditionally with film in the darkroom or digitally in the computer laboratory. Experimental techniques and advanced processes will be explored. Students will be able to work in large formats and will be asked to use skills developed in previous courses to create advanced works of art.

6464 DIGITAL PHOTOGRAPHY – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Expenses: Students must provide their own digital camera. No camera phones or Go Pro's

Description: Students will take still photographs using digital cameras. Using Adobe Photoshop and other software, the students will manipulate, alter, and improve the quality of the photographs.

6484 ADVANCED DIGITAL PHOTOGRAPHY – ALT.

Year. 0.5 Credit, 1 Period on Alternate Days

Prerequisite: Digital Photography

Recommended for: Students interested in creating original and unique artwork through digital photography.

Expenses: Students must provide their own digital camera. No camera phones or Go Pro's

Description: This course builds upon the technical skills developed in the Digital Photography course and applies them to more conceptual artistic endeavors. Projects could include portraiture, landscapes, cityscapes and advanced collage, all with an emphasis on applying the Elements of Art and the Principles of Design to digital photography.

6480 STAGECRAFT 1

Year, 1 Credit, 1 Period

AND

6474 STAGECRAFT 1 – ALT.

Year. 0.5 Credit, 1 Period on Alternate Days

Recommended for: Students who want to combine interests in art, interior design, theater, technology, stage and set design, film, and music. This course can count towards a theater arts sequence.

Description: Students will be introduced to the history of technical theater. Students will learn faux painting (sponging, marbleizing, antiquing) and other painting techniques. Scene change considerations, use of backdrops, lighting, sound considerations, use of tools, and construction safety will be addressed and practiced. Students will examine critique and make recommendations for set designs created by students in the Stage Design and Production class. Students will then produce sets for school productions.

6490 STAGE DESIGN & PRODUCTION

Year, 1 Period, 1 Credit in Art

AND

6494 STAGE DESIGN AND PRODUCTION – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: Stagecraft recommended.

Required for: Can count towards a Theater Arts sequence.

Recommended for: Students interested in designing and constructing theatrical sets.

Description: Offers students experience and training in set design and construction. This course includes design of stage scenery and props, lighting considerations, and set construction. Students will learn to collaborate with producers and directors to understand the needs of a production. Students will design the actual sets for use in various high school productions.

6190 ADVANCED PLACEMENT ART HISTORY

Year, 1 Credit, 1 Period

Recommended for: Students interested in viewing works of art within their historical setting

Expenses: Field trips (optional). Student expense for AP exam is approximately \$94.

Description: This is a college level course that traces man's artistic development from cave paintings to contemporary works of art. Examples of architecture, sculpture, and painting are

explored through slides, discussion, research, and field trips. Students learn to draw conclusions about civilizations and cultures through the artwork they produced. All students will be expected to take the A.P. examination in May.

6020 ADVANCED PLACEMENT STUDIO ART: 2-D DESIGN PORTFOLIO

Year, 1 Credit, 1 Period

Prerequisites: Two full credits of art courses and a recommendation from an art teacher.

Recommended for: Students who wish to work at very high levels of excellence, to express their personal visions at a challenging pace. This is a course for students willing to “think outside the box”.

Expenses: Cost of supplies for projects of student’s choosing. Student expense for AP exam is approximately \$94.

Description: Students will create a two-dimensional design portfolio of artwork that may include computer-generated images, darkroom photographs, digital photographs, drawings, paintings and collage. All students will be expected to submit a portfolio for the A.P. exam.

6040 ADVANCED PLACEMENT STUDIO ART: 3-D DESIGN PORTFOLIO

Year, 1 Credit, 1 Period

Prerequisites: Two full credits including Ceramics and Sculpture (6250) and a recommendation from an art teacher. Advanced Ceramics and Sculpture (6260) is also recommended.

Recommended for: Students who wish to work at very high levels of excellence to express their personal visions at a challenging pace.

Expenses: Cost of supplies for project of student’s choosing. Student expense for AP exam is approximately \$94.

Description: Students will create a three-dimensional design portfolio consisting of artwork that may include traditional sculpture, architectural models, ceramics, metal work and other materials. All students will be expected to submit a portfolio for the A.P. exam.

6030 ADVANCED PLACEMENT STUDIO ART: DRAWING PORTFOLIO

Year, 1 Credit, 1 Period

Prerequisites: Two full credits of art courses and a recommendation from an art teacher. Art Portfolio and/or Drawing are recommended.

Recommended for: Students who wish to work at very high levels of excellence to express their personal visions at a challenging pace.

Expenses: Cost of supplies for projects of student’s choosing. Student expense for AP exam is approximately \$94.

Description: Students will create a fine arts portfolio consisting of two-dimensional work in traditional and other drawing media including pencil, pen-and-ink, marker, charcoal, pastel, paint, print-making media, etc. All students will be expected to submit a portfolio for the A.P. exam.

6140 ART PORTFOLIO

Year, 1 Credit, 1 Period

Prerequisites: Studio In Art or Foundations In Art 1 and 2, or Drawing and Advanced Drawing.

Recommended for: Art students interested in pursuing an art major in college and/or creating a portfolio to use to enhance their college application.

Expenses: For unique materials and field trips (optional).

Description: Designed for juniors and seniors who have excelled in art and may be considering a career in some area of visual arts. Sophisticated work in drawing, painting,

mixed media and 3D design. Included in the course are visits from art schools, discussions of art careers, and field trips to various museums and galleries. Students will complete works which could be included in a college portfolio.

6491 INDEPENDENT STUDY – Fall

6492 INDEPENDENT STUDY – Spring

(See course description listed under Academic Independent Studies, Pages 16-18.)

Opportunities are available in advanced work in all art disciplines. In addition to filing an application with the director of Independent Studies, the student must have the proposed work approved by the Art Department Coordinator.

BUSINESS EDUCATION

- 5510** Accounting 1
- 5724** Fashion Marketing – Alt.
- 5734** Sports Marketing – Alt.
- 5744** Entrepreneurship – Alt.
- 5644** Entertainment & Restaurant Management – Alt.
- 5604** International Business – Alt.
- 5700** Introduction to Law
- 5620** College Accounting
- 5630** College Business Law
- 5640** College Marketing
- 5650** College Business Economics
- 5670** College Corporate Finance
- 5660** College Real Estate Law
- 5704** Personal Finance– Alt.
- 5824** Investment Decision Making – Alt.
- 5864** Computer Multimedia – Alt.
- 5870** Advanced Computer Multimedia Animation
- 5574** Computer Applications – Alt.
- 5680** College Virtual Enterprise
- 5880** Work Experience Program (COOP)
- 8811** Internship Program - Fall
- 8812** Internship Program - Spring

**PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF
SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.**

Administrative Assistant
Maryanne Rinaudo-Concessi 364-5680

BUSINESS EDUCATION DEPARTMENT

The Syosset High School Business Department program of instruction is designed to offer students the opportunity to explore career options and develop computer skills. The Syosset High School business program is a “mini-university” where they may earn up to 36 college credits before graduating from high school. Business students are introduced to careers in law, management, marketing, real estate, finance, entrepreneurship, and accounting. Successful real estate students will receive a certificate qualifying them to sit for the NYS Real Estate Sales Associate Licensing Examination. The social studies graduation economics requirement will be fulfilled by taking the College Business Economics course. DECA, Investment Club and Entrepreneurship Club are our award winning business clubs and students are encouraged to participate. Our Cooperative Work Experience and Internship programs offer students employment opportunities in school and within the local business community. Contact members of the business department, guidance counselors and/or the Career and Technical Education department administrator for additional information on this exciting group of electives. **All students interested in an Advanced Regents Diploma may choose to complete a five-unit sequence option in Business.**

Summary of Business Education Courses

Computer Courses

Computer Applications (5574)	Alternate Day
Computer Multimedia (5864)	Alternate Day
Advanced Computer Multimedia Animation (5870)	Full Year

Courses For College Credit**

College Accounting (5620) *	Full Year – 6 college credits
College Business Law (5630)*	Full Year – 6 college credits
College Marketing (5640)*	Full Year – 6 college credits
College Real Estate Law (5660)	Full Year – 3 college credits
College Business Economics (5650)	Full Year – 6 college credits fulfills social studies economics graduation requirement
College Corporate Finance (5670)	Full Year – 6 college credits
College Virtual Enterprise (5680)	Full Year – 3 college credits

*10th Graders eligible with subject teacher's approval

11th and 12th Grades Only*

Accounting 1 (5510)	Full Year
Personal Finance (5704)	Alternate Day
Investment Decision Making (5824)	Alternate Day
Work Experience - (5880)	Full Year
Sports Marketing (5734)	Alternate Day
Entertainment & Restaurant Mgt. (5644)	Alternate Day
Entrepreneurship (5744)	Alternate Day
Fashion Marketing (5724)	Alternate Day
International Business (5604)	Alternate Day
Introduction to Law (5700)	Full Year

Internship (8811)	Half Year
Internship (8812)	Half Year

**Tuition for college credits may vary from year to year.

5510 ACCOUNTING 1

Year, 1.0 Credit, 1 Period

Recommended for: Grades 9-12

Description: This one year introduction to accounting course is designed to develop basic accounting skills and competencies. Students learn about careers in accounting through guest speakers, class trips to one of the “Big Four” accounting firms in NYC and current events. Students will process transactions through the entire accounting cycle in a service and merchandising business. They will be working on preparing accounts receivable and payroll reports, financial statements for the business and discussing ethics in accounting. Students will also take on auditing and consulting roles while we analyze struggling businesses from watching CNBC’s “The Profit”.

This course is a prerequisite for course #5670 College Corporate Finance.

5724 FASHION MARKETING – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Business or Human Ecology credit

Recommended for: Grades 9-12

Description: Students will learn marketing and business principles by studying the fashion merchandising industry. The life cycle of a fashion product will be followed from the design stage to the point of sale at a retail outlet. Topics include: marketing to retailers, fashion and trade shows, promotion to consumers, developing a brand name, global influences, fashion trends, and manufacturing. Field trips include, visiting FIT (where students have the opportunity to discuss their portfolio with FIT’s admissions counselors), and MACY’s Herald Square Fora Fashion and Merchandising Tour.

5734 SPORTS MARKETING – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12

All students who have an interest in marketing, advertising, promoting sporting events and products associated with sports

Description: This course is designed for students who have an interest in the business of sports. Marketing principles will be studied and applied to the advertising, promotion, publicity, and marketing research of sporting events. Students will learn about the marketing of products related to sports including: clothing, equipment, automobiles, food products, movies, television programming, toys, and games. The course may be enriched with field trips, guest speakers, and a virtual stadium program.

5744 ENTREPRENEURSHIP – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12

Description: Students will learn the fundamentals of starting a business. What it takes to bring an ideal concept to the market place. Business plans, market research and advertising will be discussed. Students will learn by partaking in simulations and role plays. Students who plan to be involved in Virtual Enterprise, DECA and Entrepreneurship Club will greatly benefit from this course.

5644 ENTERTAINMENT & RESTAURANT MANAGEMENT – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12

Description: Students will learn principles of business management, finance and marketing by studying the exciting fields of entertainment, hospitality, and restaurant management. Business case studies, projects, field trips (local restaurants and Madison Square Garden) and industry guest speakers will be featured in this course. Students will use the Virtual Business Restaurant Management Simulation to create a virtual restaurant that will serve as a foundation for students to create and develop a business plan for their own restaurant.

5604 INTERNATIONAL BUSINESS – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12 for students who have an interest in global enterprise

Description: Students will learn how they can succeed in a global economy as future managers. Topics may include structures of international business organizations, import, export, trade relations, international finance, global entrepreneurship, and managing in a global environment. Students will also learn how a business functions in a culture that is different than the U.S. Case studies, regional profiles, and the *Internet* will be used in this course.

5700 INTRODUCTION TO LAW

Year, 1 Credit, 1 Period

Recommended for: Grades 9-12

Description: Learn about our laws and justice system, including individual rights, crimes, lawsuits, our courts, trial procedure, minors, contracts, property and what the future may hold for the law. Activities include field trips to courts, guest speakers, and participation in mock trials. This course is an excellent foundation for further study in the law and business.

5620 COLLEGE ACCOUNTING - LIU High School Scholars Program

(LIU Post/Long Island University courses ACC 11 and ACC 12)

Year, 1.0 Credit, 1 Period

Prerequisites: Open to juniors and seniors, (and sophomores with approval) who have an 80% average in their core subjects

Recommended for: Students considering a business major in college

Expenses: Tuition for six college credits of approx. \$580.00 (approx. \$97.00 per credit) paid directly to LIU Post/Long Island University

Description: College Accounting is a six credit college program designed to introduce the fundamentals of accounting principles. College faculty will lecture during the year. Students will concentrate on identifying, recording, and communicating the economic events of a business organization. Topics covered include the balance sheet, income statement, and the principles required to understand financial accounting systems. Financial statements necessary for all the forms of business ownership are explored. Managerial accounting concepts and internal business decisions are featured.

Note: Students must commit themselves to the course for the entire year.

5630 COLLEGE BUSINESS LAW - LIU High School Scholars Program

(LIU Post/Long Island University courses LAW 13 and LAW 19)

Year, 1.0 Credit, 1 Period

Prerequisites: Open to juniors and seniors, (and sophomores with approval) who have an 80% average in their core subjects

Recommended for: Students considering a business or law major in college

Expenses: Tuition for six college credits of approx. \$580.00 (approx. \$97.00 per credit) paid directly to LIU Post/Long Island University

Description: This accelerated, college level course provides students with an in-depth examination of business law. College faculty will lecture during the year. Topics include: the judicial system, constitutional law, criminal law, torts, contract law, agency law, partnership law, corporate law, securities, cyber law and employment law. Case studies and online research will be used in the course.

Note: Students must commit themselves to the course for the entire year.

5640 COLLEGE MARKETING - LIU High School Scholars Program

(LIU Post/Long Island University courses MKTG 11 and MAN11) Year, 1 Credit, 1 Period

Prerequisites: Open to sophomores, juniors and seniors, who have an 80% average in their core subjects.

Recommended for: Grades 10-12

Expenses: Tuition for six college credits of approx. \$580.00 paid directly to LIU Post/Long Island University.

Description: This six credit college course focuses on the utilization of marketing and management in the business world. Through a variety of real-life situations such as presentations, teamwork projects, and data driven assignments, student learning will include: advertising, branding, public relations, social media management, managerial development, and corporate leadership training.

Course Features: Public Speaking and Presentation skill development, lessons from distinguished LIU Professors, and Business Scenario Workshops.

5650 COLLEGE BUSINESS ECONOMICS - LIU High School Scholars Program

(LIU Post/Long Island University courses ECO 11 and ECO 12)

Year, 1.0 Credit, 1 Period

Prerequisites: Open to juniors and seniors who have an 80% average in their core subjects

Recommended for: Students considering a business major in college

Fulfils the Economics graduation requirement if taken in grade 12

Expenses: Tuition for six college credits of approx. \$580.00 (approx. \$97.00 per credit) paid directly to LIU Post/Long Island University

Description: This college level course gives students an understanding of how to apply the principles of economics to the functions of individual decision makers, both consumer and business managers. College faculty will lecture during the year. Micro and Macroeconomics will be examined using case studies, computer simulations, and graphic presentations.

Note: Students must commit themselves to the course for the entire year.

5670 COLLEGE CORPORATE FINANCE - LIU High School Scholars Program

(LIU Post/Long Island University courses FIN 11 and FIN 12)

Year, 1.0 Credit, 1 Period

Prerequisites: Recommended that students successfully complete **course #5510 Accounting 1 or College Accounting or #5824 Investment Decision Making**. Students not having taken any of these will be considered on a case by case basis.

Open to juniors and seniors who have an 80% average in their core subjects.

Recommended for: Students considering a business major in college.

Expenses: Tuition for six college credits of approximately \$580.00 (approx. \$97.00 per credit) Paid directly to LIU Post/Long Island University

Description: College Corporate Finance is a six credit college program designed to continue the fundamental study of finance. College Corporate Finance covers the basic principles by which the modern corporation manages its assets, controls its liabilities and raises new capital. The course

will emphasize corporate decision making in areas of investment and financing alternatives, both domestically and internationally. Financial research will be conducted using the Internet, financial calculators, and spreadsheets. College faculty will lecture throughout the year.

Note: Students must commit themselves to the course for the entire year.

5660 COLLEGE REAL ESTATE LAW - LIU High School Scholars Program

(LIU Post/Long Island University course FIN 25 – Introduction to Real Estate)

Year, 1.0 Credit, 1 Period

Prerequisite: Open to juniors and seniors who have an 80% average in their core subjects

Recommended for: Students interested in the exciting world of real estate.

Successful students will receive a certificate qualifying them to sit for the NYS Real Estate Salespersons Licensing Examination. They must be 18 years old within two years of completing the course to sit for the NYS examination.

Expenses: Tuition for three college credits of approx. \$290.00 (approx. \$97.00 per credit) paid directly to LIU Post/Long Island University

Description: Students will learn about all aspects of real estate law. Contracts, closings, loans, zoning, valuation, liens, law of agency, easements, land use regulations, fair housing and environment issues will be explored. Industry professionals will visit as guest lecturers and students will attend the MLSLI Technology Fair. Upon completion of this course, students will have completed the required class work for the 75 hour New York State Salespersons Licensing examination.

5704 PERSONAL FINANCE – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12

Description: Learn how to manage your financial life. Understand how to budget, implement a savings plan, use credit, manage bank accounts, minimize income taxes, purchase assets, and use insurance to protect those assets. The course is enriched by, field trips, guest speakers, and utilizing a virtual simulation program. Students will use the internet to access daily financial information.

5824 INVESTMENT DECISION MAKING – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12

Description: In this course, we will evaluate the following major types of investments: stocks, bonds, mutual funds, and if time permits, real estate. We will examine the relationship between risk and return, diversification, margin investing, selling short, strategies for minimizing taxes on investment income, securities vs. “real” property, and factors that affect the investing environment. To apply their learning, students will compete in the Fall and Spring SHS Investment Challenges.

This course is recommended as a prerequisite for course #5670 College Corporate Finance.

5864 COMPUTER MULTIMEDIA – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12 students who wish to learn advanced computer functions

Description: Students will use the computer to learn basic coding principles in order to create and modify their own websites using HTML, CSS, and Javascript. They will also learn to create

graphics, sound, and pictures to create multimedia presentations using Adobe Photoshop and Python, a text-based programming language. Students will also learn the fundamentals of Microsoft Excel. Computer applications will include use of Adobe Photoshop, Microsoft Excel, and coding using the KidOYO platform. Students will have hands-on experience editing graphics and developing their own websites.

5870 ADVANCED COMPUTER MULTIMEDIA ANIMATION - MOVIES/GAMES

Year, 1 Credit, 1 Period

Recommended for: Students who want to learn advanced multimedia applications

Description: Using the computer as a tool, students will learn advanced multimedia programs using the KidOYO platform to create animated multimedia projects, movies and computer games.

5574 COMPUTER APPLICATIONS – Alt.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisite: No prior computer experience is required.

Recommended for: Grades 9-12 students who want to learn how to use advanced features of a computer.

Description: Using hands-on computer instruction, students will learn to use many of the features of Word, Excel, PowerPoint and Publisher. In addition, Prezi, Google Docs and editing Wikipedia pages will be explored.

5680 COLLEGE VIRTUAL ENTERPRISE

(LIU Post/Long Island University course ENT 101)

Year, 1.0 Credit, 1 period

Prerequisites: Open to juniors and seniors who have completed one credit in Business, or a course in Advertising Design, Computer Science, or Independent Video Production.

Recommended for: Students seeking real life business experience.

Expenses: Tuition for three college credits of approximately \$290.00 (approximately \$97.00 per credit) paid directly to LIU Post/Long Island University.

Description: This course is a business simulation that turns the traditional classroom into a vibrant real-world office. Students will create and manage their virtual business as a true startup, including the creation of a company name, logo, commercial, and website. Students will sell their products/services to other virtual firms around the world. Students interview to work in different departments of the business based on their strengths, passions and potential career paths. Departments include; Management, Accounting/Finance, Sales, Marketing, Human Resources and Web Design.

Students will develop business skills as they work in teams to make decisions while achieving company goals and objectives. Students will have the opportunity to present at various business competitions. Students will also create and run a trade show booth at the Virtual Enterprise International Trade Show in New York City. To learn more about the program visit www.veinternational.org

WORK-BASED LEARNING

The Syosset High School Work-Based Learning Program gives local businesses the opportunity to make a difference within the community by employing and mentoring our young, motivated, hard-working students. Our students will receive employment training and have the opportunity to implement that training on the job, as wage earning employees or an intern in a formal internship program recognized by New York State.

5880 WORK EXPERIENCE PROGRAM (COOP)

Year, $\frac{1}{2}$ - 2 credits

Recommended for: Grades 11-12

Description: A program for students, in grades 11 & 12, consisting of **paid**, supervised work experience. Work Experience offers students the opportunity to apply the learning of the classroom to the world of work. Topics covered in the program contain but are not limited to the following: resume and cover letter writing, interview skills, employees' rights, occupational hazards, communication in the workplace, performance evaluations, financial literacy and workplace relationships. Positions are available in local businesses, within the school district, or, students may find their own job placement. Students may earn up to 2 credits and receive a grade. Cooperative Work Experience is scheduled as a 10th or 11th period and does not affect the student's academic schedule. Students are responsible for providing transportation to and from the career site.

8811 INTERNSHIP PROGRAM - FALL

8812 INTERNSHIP PROGRAM - SPRING

Fall or Spring, 0.5 Credit

No Co-requisite for Enrollment

Recommended for: Grades 11-12

Description: A program for students in grades 11 and 12 who want to increase their understanding of a specific career through "on-the-job" experiences. The internship consists of a **nonpaid**, supervised career experience. Internships are available in a variety of areas including, but not limited to business, communications, politics, legal fields, physical therapy, and medical fields. Students must have working papers, complete a minimum of 60 hours, and write a reaction paper upon the completion of the internship. Students earn $\frac{1}{2}$ credit and are responsible for providing transportation to and from the career site. The Internship Program is scheduled as a 10th or 11th period and does not affect the student's academic schedule

CASTLE PROGRAM

- 1229** English 10+
- 1339** English 11+
- 1449** English 12+
- 2229** Global History 10+
- 2339** U.S. History & Government 11+
- 2479** Criminal Justice+ - Spring
- 2489** Economics+ - Fall
- 3519** Math 10+
- 3529** Math 11+
- 3499** Math 12+
- 4169** Regents Living Environment/Biology+ and **4164**
1 period per day plus alternate day laboratory
- 4178** Forensic Science+ and **4179** Laboratory
- 4159** Marine Science+ and **4158** Laboratory
- 4769** Health+
- 8354** and **8364** Physical Education+ Grade 10-12
- 8364** Physical Education+
- 8859** Seminar (daily)

**PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF
SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.**

Thomas Rooney 364-5740

THE CASTLE PROGRAM
(Syosset's Alternative High School)

THE CASTLE PROGRAM, essentially a mini-school within Syosset High School, is designed for students who need a different environment in order to succeed. These students, who are "at risk" because of a history of poor class and school attendance and achievement below their capabilities, meet in a separate setting of small-sized classes. Instruction and support is provided by a closely knit team of teachers. Students work on achieving success and instilling pride within themselves and throughout the school.

Participation in the program is voluntary and requires an interview and agreement from the student and his/her parents. Any student who wishes to be considered should see his/her guidance counselor. Sophomores, juniors and seniors will be enrolled for the 2017/18 program.

SUBJECTS IN THE CASTLE PROGRAM

<u>COURSE NO.</u>	<u>10TH GRADE</u>	<u>CREDIT</u>
1229	English 10+	(1.0)
2229	Global History 10+	(1.0)
3519	Math 10+	(1.0)
4169	Regents Living Environment/Biology+	(1.0)
4164	1 period per day plus alternate day lab	(1.0)
8859	Seminar (daily)	(1.0)
8354, 8364	Physical Education+	(0.5)

<u>COURSE NO.</u>	<u>11TH GRADE</u>	<u>CREDIT</u>
1339	English 11+	(1.0)
2339	U.S. History & Government 11+	(1.0)
3529	Math 11+	(1.0)
4159	Marine Science+ and 4158 Laboratory	(1.0)
8859	Seminar (daily)	(1.0)
8354, 8364	Physical Education+	(0.5)
4769	Health +	(0.5)

<u>COURSE NO.</u>	<u>12TH GRADE</u>	<u>CREDIT</u>
1449	English 12+	(1.0)
2489	Economics+ (fall)	(0.5)
2479	Criminal Justice+ (spring)	(0.5)
4178	Forensic Science+ and 4179 Laboratory Elective	(1.0)
3499	Math 12+	(1.0)
8354, 8364	Physical Education+	(0.5)
8859	Seminar (daily)	(1.0)

All students **MUST** enroll in courses needed to meet graduation requirements. Students can also take elective courses outside the Castle Program. Tenth grade students must be fully scheduled.

COMMUNICATION ARTS PROGRAM

- 1714** Introduction to Television Production – Alt.
- 1724** Independent Video Production – Alt.
- 1744** Introduction to Radio – Alt.
- 1710** Radio Internship
- 1730** News Production
- 1732** Communications Today: Reading the Media
- 1534** Journalism – Alt.
- 1581** Literature through Cinema
- 1624** Public Speaking – Alt.
- 6394** Computer Art – Alt.
- 6434** Photo 1 – Alt.
- 6533** Recording for Musicians

**PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF
SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.**

Coordinator of English
Amanda Barney 364-5700

COMMUNICATION ARTS PROGRAM

The Communications Arts Program proposes both to build upon and to consolidate the media arts offerings which have a long tradition here at Syosset High School. Many of our graduates move on to prestigious film schools and college communications programs. Our various offerings have launched a number of careers in the media and entertainment industries. To date, alumni of our program have won seven Emmy awards as well as ACE and Dore Schary awards, Streisand and Mobil grants. Many others have gone on to careers as on-air personalities, sportscasters, producers, cinema/videographers, recording engineers, studio engineers, and performers as well as record company and media executives. All of them cite their experiences here as critical to launching their careers.

The courses in this program allow students to explore both the practical, hands-on aspects of communications as well as the more theoretical, aesthetic and cultural aspects. The program will also encourage students to engage in projects that will cut across the curriculum and the school community so that they will experience first-hand the power of their work. The Communication Arts Program is recommended for all students in grades 9 through 12 who are interested in careers in film, entertainment, broadcast journalism, broadcast and non-broadcast television, broadcast or communications management and broadcast engineering.

To earn a Regents diploma with advanced designation using a five-unit communication arts sequence, the student must complete one unit of **Computer Art and Photography 1** (0.5 credits each). The remaining four units may be earned by taking any of the courses listed below. (Courses taken before senior year may not be used to fulfill senior English requirements.)

**Introduction to Television Production*

**Independent Video Production*

Introduction to Radio

Radio Internship

Communications Today: Reading the Media

Journalism

Literature through Cinema

News Production

Public Speaking

Computer Art

Photography

Recording for Musicians

*Introduction to Television Production and Independent Video Production may be used to fulfill the one unit art requirement.

1714 INTRODUCTION TO TELEVISION PRODUCTION – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Students in grades 9-12, who are interested in broadcast and non-broadcast communications.

Description: The main objective is to learn basic video skills, such as scriptwriting, basic shooting technique, editing, lighting, and sound. Instruction is project oriented. That is, students will produce videos based upon scripts they write in class.

1724 INDEPENDENT VIDEO PRODUCTION – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

May be taken multiple times for credit in cases where students wish to pursue advanced study.

Prerequisites: Introduction to Television Production

Recommended for: Students in grades 10-12, who are interested in broadcasts and non-broadcast communications or filmmaking.

Description: Students pursue various approved independent projects in video production. In addition, students provide technical video support for various school activities, programs, and courses. Students may also use this course to create portfolio projects for college, film school or specialty school admissions.

1744 INTRODUCTION TO RADIO – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Students in grades 9-12, who are interested in broadcasts and non- broadcast communications.

Description: The course is designed to give students a much deeper understanding and appreciation of radio broadcasting and theory as well as practical hands-on experience. Students work on the development of articulation and interviewing skills, radio/media copy writing and audio production techniques. Students write and produce various programs, newscasts, weather reports, special features, PSAs and other broadcast materials. Exemplary projects are broadcast on WKWZ, the district's FM radio station.

1710 RADIO INTERNSHIP

Year, 1.0 Credit, 1 Period

May be taken multiple times for credit in cases where students wish to continue advance study

Prerequisites: Membership in WKWZ, Introduction to Radio, and staff training program

Recommended for: Students in grades 9-12, who are interested in broadcast and non- broadcast communications.

Description: Students work at various jobs in WKWZ. Student positions include Station Manager, Program Director, Production Manager, Public Service Director, Sports Director, News Director, Business Manager, Traffic Manager, etc. This independent study/internship program gives the student vital real-life experience in the day-to-day operations of a real FCC licensed broadcast radio station.

1730 NEWS PRODUCTION

Year, 1.0 Credit, 1 Period

Prerequisites: Introduction to Television Production OR permission of the Instructor

Recommended for: 10 (with permission of Instructor) 11-12

Description: Video production students experience producing an authentic daily news broadcast for Syosset High School. The main goal of the course is to convey real news items to the school community while learning the interpersonal, technical and journalistic skills and strategies needed to create a daily digital broadcast for an authentic audience. Students will develop informational, persuasive and narrative writing skills, expressive and interactive language skills, computer-generated design strategies, and digital editing expertise. Students will also create specialized video projects and features for the morning news program.

This course fulfills one art credit.

1732 COMMUNICATIONS TODAY: READING THE MEDIA

Spring, 0.5 Credit, 1 Period

Recommended for: Grades 11 - 12

Description: This course explores the media's effects on the public via critical analysis of processes, products, and patterns in television, film, music videos, radio, newspapers, magazines, and the Internet. The course includes readings in social criticism and media studies as well as personal response research and research-based writing.

THIS COURSE IS NOT APPROVED BY THE NCAA CLEARINGHOUSE ELIGIBILITY CENTER.

1534 JOURNALISM – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12

Description: Journalism emphasizes the basics of print and electronic journalism. Included are the understanding, gathering, writing, and editing of news features, and editorials. Other areas include journalism ethics, press law, rights and responsibilities of student press, and propaganda. Students are encouraged to submit finished pieces to the school newspaper *The Pulse*.

1581 LITERATURE THROUGH CINEMA

Fall, 0.5 Credit, 1 Period

Recommended for: Grades 10-12

Description: Through a new approach to storytelling, this course delves into literary works and their cinematic counterparts. Students analyze the artistic and cultural perspectives of various genres and reflect on the directors' and authors' messages.

THIS COURSE IS NOT APPROVED BY THE NCAA CLEARINGHOUSE ELIGIBILITY CENTER.

1624 PUBLIC SPEAKING – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12

Description: This course is designed to help students become more comfortable and effective as both speakers and listeners. Assignments include the delivery of impromptu, informative and persuasive speeches, as well as storytelling, interviews, debates, and other group work. The aim is to develop communication skills that contribute positively to each student's personality.

6394 COMPUTER ART – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Required for: Media Arts sequence

Recommended for: Students interested in electronic or media arts. Can count as 0.5 credit in an art sequence, or a Media Arts sequence.

Description: Includes introductory units in computer multimedia, computer graphics, and digital photography. Using a variety of Adobe software, students manipulate, alter, and create original computer generated art work.

6434 PHOTO 1 – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Required for: Photo 2, and a Media Arts sequence.

Recommended for: Students who want basic skills in photography through actual work. Not limited to art students. Can count as 0.5 credit in an art sequence, or a Media Arts sequence.

Expenses: Students must provide their own 35mm camera, which must be available early in the course.

Description: The first of a three-semester series that becomes increasingly challenging.

Photography 1 stresses techniques of camera usage, film developing, darkroom use and printing. Students are also introduced to the basics of photographic composition by reviewing and discussing the work of master photographers. Film, chemicals, and paper will be supplied.

6533 RECORDING FOR MUSICIANS

Fall, 0.5 Credit, 1 Period

Recommended for: Grades 9-12

Description: This course will teach students music recording from both the artistic and the technical viewpoints. It is the responsibility of the conductor of an orchestra to create a mental “recording” of a piece and then make the orchestra sound like that mental image. This is done by adjusting volume, the placement of instruments, and balance within the group. A recording engineer does the same thing, using microphone placement, a mixing board and placement of musicians. This course will train students in: 1) basic audio and acoustic theory, 2) characteristics and placement of microphones, 3) use of recording consoles, recorders, and outboard recording equipment as they pertain to the musician, 4) concepts and techniques of music synthesis and MIDI for the recording studio, and 5) practical applications of studio procedures in recording situations.

DRIVER EDUCATION

8951 Driver Education – Fall

8952 Driver Education – Spring

PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.

Richard Faber 364-5734

DRIVER EDUCATION

Driver Education is given before and after school only and may require certain students to meet on Saturday mornings for driving practice in driver-training cars. Enrollment in this course may curtail a student's participation in other after-school activities. This should be considered carefully since attendance at all Driver Education classes is extremely important for compliance with the minimum requirements mandated by the State Education and Motor Vehicle Departments.

Students are selected for the Driver Education course in the following way:

1. The student must be a senior or a junior.
2. Before a student is scheduled for Driver Education, a parent/guardian **must attend** an informational meeting held in early January, June, or September before registration for the course.
3. If the demand for Driver Education is too great for the number of available places and the student meets the above prerequisites, the list of those selected for the course will be made on the basis of age and grade--seniors are selected first, then oldest juniors.

8951 & 8952 DRIVER EDUCATION

Fall and spring, 0.5 Credit, before and after regular school hours

Prerequisites: Student must be 16 years of age.

Recommended for: Juniors and seniors only



ENGLISH

- 1110** English 9 Honors
- 1120** English 9 Enriched
- 1100** English 9 Academic Literacy – Alt.
- 1210** English 10 Honors
- 1220** English 10 Enriched
- 1101** English 10 Academic Literacy – Alt.
- 1410** Advanced Placement English Language & Composition
- 1330** CCSS Foundations of College English
- 1102** English 11 Academic Literacy – Alt.
- 1400** Advanced Placement English Literature & Composition
- 1600** Project Advance English
- 1103** English 12 Academic Literacy – Alt.
- 2010** Entering-Transitioning E.N.L.: 9-10A
- 2020** Entering-Transitioning E.N.L.: 9-10B
- 2030** Entering-Transitioning E.N.L.: 9-10C
- 2040** Entering-Transitioning E.N.L.: 11-12A
- 2050** Entering-Transitioning E.N.L.: 11-12B
- 2060** Entering-Transitioning E.N.L.: CCSS R
- 2070** Expanding E.N.L.: 9-10
- 2080** Expanding E.N.L.: 11-12
- 2090** Expanding E.N.L.: CCSS R

ENGLISH ELECTIVES:

- 1604** Advanced Writing Studio 1 – Alt.
- 1614** Advanced Writing Studio 2 – Alt.
- 1452** Analyzing Children's Literature
- 1661** College Composition
- 1454** College Prep – Alt.
- 1732** Communications Today: Reading the Media
- 1684** Creative Writing 9/10 – Alt.
- 1472** Creative Writing 11/12
- 1761** Introduction to College Research
- 1534** Journalism – Alt.
- 1581** Literature through Cinema
- 1541** Popular Literature
- 1624** Public Speaking – Alt.
- 1742** Social Issues in Literature
- 1350** English 12: Examining Americana

COMMUNICATION ARTS ELECTIVES:

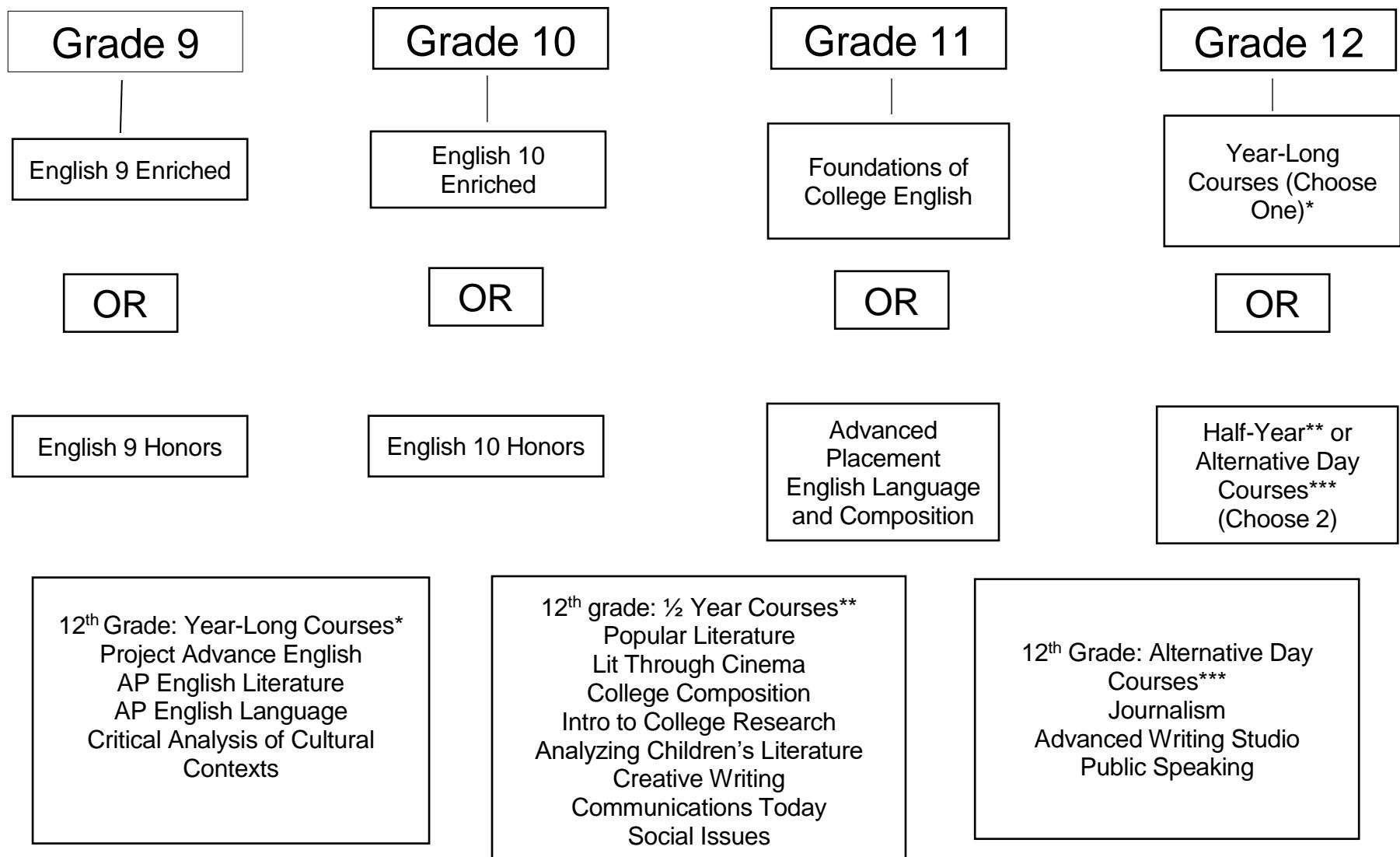
- 1714** Introduction to Television Production – Alt.
- 1724** Independent Video Production – Alt.
- 1744** Introduction to Radio – Alt.
- 1730** News Production
- 1710** Radio Internship

PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.

Coordinator of English

Amanda Barney 364-5700

TYPICAL PROGRESSION OF ENGLISH COURSES



Other pathways may be best for some students. Students should discuss academic plans with their teacher, guidance counselor, and department coordinator.

ENGLISH DEPARTMENT

The English Department courses develop the students' ability to read, write, speak and think critically and introspectively. By examining and responding to various genres, students deepen their insights about human nature, society and themselves (e.g. drama, poetry, novels, short stories, and non-fiction).

SENIOR REQUIREMENTS: Seniors may fulfill their fourth year English requirement by enrolling in either:

- A. AP English Literature, AP Language, Project Advance English (year courses), or Critical Analysis of Cultural Contexts, **OR**
- B. Two electives

ELECTIVES: Students may elect to take additional semester courses providing that prerequisites are met. Ninth, tenth and eleventh graders may take English electives, but they cannot apply these courses toward their twelfth grade English requirement unless students have been accepted for early graduation before taking these courses.

OBTAINING A VALID HIGH SCHOOL DIPLOMA REQUIRES THAT NEW YORK STATE HIGH SCHOOL STUDENTS PASS THE NEW YORK STATE COMMON CORE REGENTS IN ENGLISH LANGUAGE ARTS.

1110 ENGLISH 9 HONORS

Year, 1.0 Credit, 1 Period

This course fulfills the 9th grade English Requirement.

Recommended for: Highly proficient students of English upon recommendation of English 8 teacher.

Description: In English 9 Honors students study world classics and nonfiction texts from diverse perspectives, as evidenced in authors' use of language. Writing skills are enhanced through instruction in formal writing such as literary analysis, argumentation, research, as well as creative and personal forms. Specific attention is given to developing structure and style, and adhering to the conventions of standard written English. Listening and speaking skills are strengthened through a variety of methods, including classroom discussion, oral presentation, role playing, and small cooperative groups. The purpose of the course is to build upon students' foundation in English language arts for successful participation in more advanced English courses and other academic disciplines.

1120 ENGLISH 9 ENRICHED

Year, 1.0 Credit 1 Period

This course fulfills the 9th Grade English requirement

Prerequisite: Successful completion of English 8

Description: In English 9 Enriched students are exposed to a sampling of literature from various cultures. Analysis of literature focuses on authors' use of language to create meaning in both fiction and nonfiction texts. Listening and speaking skills are fostered through a host of instructional

activities: classroom discussion, oral presentation, role playing, debate, and small cooperative groups. Writing skills are taught via essay writing based on textual analysis and the research paper, with particular emphasis on developing a coherent structure. Moreover, conventions such as spelling, punctuation and usage are addressed. Personal and creative forms are also practiced. The purpose of the course is to strengthen students' foundation in English language arts for successful participation in more advanced English courses and other academic disciplines.

1100 ENGLISH 9 ACADEMIC LITERACY - ALT.

Year, 0.5 Credit, 1 Period on Alternating Days

Prerequisites: Recommendation of English teacher and/or guidance counselor

Recommended for: Students who need small group or individualized reading and writing instruction to improve academic performance

Description: In English 9 Workshop students' reading and writing problems are identified. Various genres such as fantasy, science fiction, memoir, and biography are studied to foster literacy. Grammar, mechanics, and structure are reviewed and incorporated in text-based and personal essay writing. In addition, instruction may be modified or enhanced to cover content of other courses, particularly in English. The goal of English 9 Workshop is to enable students to handle the academic rigor of the 9th grade ELA Common Core curriculum.

1210 ENGLISH 10 HONORS

Year, 1.0 Credit, 1 Period

This course fulfills the 10th grade English Requirement.

Recommended for: Highly proficient students of English and upon recommendation of 9th grade English teacher.

Description: The English 10 Honors course is designed to extend and reinforce the analytical and language skills students mastered at the end of ninth grade and to encourage them to use these skills in increasingly independent ways. Literature study includes works of British fiction and nonfiction and other relevant texts that address development of the self and the self's connection to the world. Through analysis of textual language and structure, abstract philosophical and psychological concepts become clearer to students. Students use writing such as expository, argumentation, and synthesis pieces to explore how they make personal, social and political meaning from the texts that they read. The purpose of this course is to prepare students for successful participation in Advanced Placement Language in eleventh year and to become critical thinkers of various textual discourses.

1220 ENGLISH 10 ENRICHED

Year, 1.0 Credit, 1 Period

This course fulfills the 10th grade English requirement.

Prerequisite: Successful completion of English 9

Description: In English 10 Enriched, students study various genres of literature that focus on the development of self and the relationship between the self and the world. Analysis of literature focuses on how and why literary and rhetorical features are used to create meaning in both fiction and nonfiction texts. Listening and speaking skills are taught through class discussions, seminar, cooperative group work, debate, and presentations. Writing skills are fostered through instruction in literary and critical analysis, argumentation, creative, and personal pieces. Research skills are developed via instruction on developing an argument research paper. The goals of this course are to prepare students for writing required of advanced English language arts courses and across academic disciplines.

1101 ENGLISH 10 ACADEMIC LITERACY– ALT.

Year, 0.5 Credit, 1 Period on Alternating Days

Prerequisites: Recommendation of English teacher and/or guidance counselor

Description: In English 10 Workshop students' reading and writing problems are identified. As in the English 9 Workshop, a multi-genre approach is used to address students' literacy needs. Emphasis is placed on use of critical reading strategies, and development and expansion of academic vocabulary. Writing instruction focuses on literary analysis, synthesis, argumentation, as well as personal and creative forms. The goal of English 10 Workshop is to enable students to meet the academic challenge of the 10th grade ELA Common Core curriculum.

1410 ADVANCED PLACEMENT ENGLISH LANGUAGE & COMPOSITION (Regents)

Year, 1.0 Credit, 1 Period

This course fulfills the 11th or 12th grade English requirement.

Recommended for: Students who have demonstrated strong critical thinking skills orally and in writing and upon recommendation of English teacher.

Expenses: Registration fee of \$94 for the Advanced Placement Examination

Description: This course engages students in analysis of prose from a variety of periods, disciplines, and rhetorical contexts. Students develop awareness of how writers using language and structure to communicate their purposes. Moreover, it is geared toward transforming students into skilled writers who compose for a variety of purposes. This course prepares students for the A. P. Language and Composition Examination. It also prepares students for the New York State Examination in English Language Arts (Common Core), which serves as the final examination of the course.

**NOTE: STUDENTS MUST COMMIT THEMSELVES TO THE COURSE FOR THE ENTIRE YEAR.
SUMMER ASSIGNMENTS ARE REQUIRED.**

1330 CCSS FOUNDATIONS OF COLLEGE ENGLISH (Regents)

Year, 1.0 Credit, 1 Period

This course fulfills the 11th grade English requirement.

Prerequisite: Successful completion of English 10

Description: In this course students study American fiction and non-fiction for literary and critical meaning. The works are analyzed from a language based approach with emphasis on the rhetorical context (subject, purpose and audience). Writing skills are developed through targeted instruction on developing textually-based arguments and synthesis papers from multiple sources. The course also focuses on the research process, wherein students investigate a theme or issue prevalent among the course readings. The year's work culminates in students taking the New York State Examination in English Language Arts (Common Core), which serves as the final examination of the course.

1102 ENGLISH 11 ACADEMIC LITERACY – ALT.

Year, 0.5 Credit, 1 Period on Alternating Days

Prerequisites: Recommendation of English teacher and/or guidance counselor

Recommended for: Students who need small group or individualized reading and/or writing support to improve academic performance

Description: The English 11 Workshop continues to support students in Common Core English language arts curriculum. Instruction focuses on use of reading strategies to deconstruct meaning of challenging texts, including works of fiction and nonfiction. It also emphasizes use of textual evidence and multiple sources to develop argumentation texts. These literacy activities serve to further build students' academic and conceptual vocabulary. Ultimately, the English 11 Workshop prepares students for the New York State Examination in English Language Arts Common Core and the redesigned SAT, which eleventh grade students are expected to take.

1400 ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION

Year, 1.0 Credit, 1 Period

This course fulfills the twelfth grade English requirement.

Recommended for: 12th grade students who are avid readers of sophisticated literature and who have demonstrated outstanding analytical skills in verbal and written discourse and upon recommendation of 11th grade English teacher.

Expenses: Registration fee of \$94 for the Advanced Placement Examination

Description: The course engages students in the analysis of literature from a variety of genres and historical periods. The purpose is to cultivate students' thinking processes in order to critically examine bodies of literature for deeper meaning and connection to life. Students will critique and respond to literary works through literary, creative and personal writing.

**NOTE: STUDENTS MUST COMMIT THEMSELVES TO THE COURSE FOR THE ENTIRE YEAR.
SUMMER ASSIGNMENTS ARE REQUIRED.**

1600 PROJECT ADVANCE ENGLISH

(Syracuse University courses WRT 105 and ETS 181)

Year, 1.0 Credit, 1 Period

This course fulfills the twelfth year English requirement.

Prerequisites: Minimum grade of B in eleventh grade English and recommendation of 11th grade English teacher

Recommended for: Students who are interested in analytical thought and logical argument

Expenses: Tuition of \$690.00 (\$115.00 per credit) is paid directly to Syracuse University.

Description: Syracuse University Project Advance English is a six credit program designed to improve students' critical thinking and writing abilities through the study of philosophical and psychological theories. The first semester focuses on writing analytical, rhetorical, and research essays. The second semester concentrates on the analyses of texts through various schools of critical thought.

**NOTE: STUDENTS MUST COMMIT THEMSELVES TO THE COURSE FOR THE ENTIRE YEAR.
SUMMER ASSIGNMENTS ARE REQUIRED.**

1103 ENGLISH 12 ACADEMIC LITERACY - ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: Recommendation of English teacher and/or guidance counselor

Recommended for: Students who need small group or individualized instruction in reading, writing or study skills in order to meet the demands of the college curriculum

Description: The English 12 Workshop supports students in the areas of critical reading, writing and study skills in order to prepare them for college and career.

ENGLISH AS A NEW LANGUAGE (E.N.L) PROGRAM

Year, 1.0 Credit, 1 Period

Prerequisites: A score below a commanding level on the NYSITELL or NYSESLAT exam

Required for: All students who do not speak English as their native language and have not met New York State standards in listening, speaking, reading and writing per their performance on the NYSITELL or NYSESLAT exam.

Description: The program consists of four levels of English language instruction and focuses on completing the 9-12 English Language Arts (Common Core) curriculum, AND FULFILLING English requirements for graduation.

2010 ENTERING-TRANSITIONING E.N.L: 9-10A**2020 ENTERING-TRANSITIONING E.N.L: 9-10B****2030 ENTERING-TRANSITIONING E.N.L: 9-10C**

These courses are designed for beginning, low intermediate and intermediate E.N.L students who convey basic knowledge of English. Instruction focuses on strengthening students' oral communication skills through activities such as cooperative group work, whole group discussion, role playing, presentations and debate. Students study texts of various genres (e.g., the novel, drama, short stories, memoir, poetry, journal and newspaper articles and essays). Writing skills are taught via the essay and research paper with emphasis on developing a coherent structure. Conventions such as spelling, punctuation and usage are addressed. Creative forms are explored.

2040 ENTERING-TRANSITIONING E.N.L: 11-12A**2050 ENTERING-TRANSITIONING E.N.L: 11-12B****2060 ENTERING-TRANSITIONING E.N.L.: CCSS R**

These courses are designed for beginning, low intermediate and intermediate E.N.L students who convey basic knowledge of English. Instruction focuses on strengthening students' oral communication skills through activities such as cooperative group work, whole group discussion, role playing, presentations and debate. Students study texts of various genres (e.g., the novel, drama, short stories, memoir, poetry, journal and newspaper articles and essays). Writing skills are taught via the essay and research paper with emphasis on developing a coherent structure. Conventions such as spelling, punctuation and usage are addressed. Creative forms are explored. This course prepares students for the NYS Common Core English Language Arts Regents. It also prepares students for successful participation in college and career.

2070 EXPANDING E.N.L: 9-10**2080 EXPANDING E.N.L: 11-12****2090 EXPANDING E.N.L.: CCSS R**

These courses are designed for advanced E.N.L students who are approaching achievement of the linguistic and cognitive demands necessary to perform in a variety of academic contexts within this grade level. Students' listening and speaking skills are fostered through class discussions, seminar, cooperative group work, debate and presentations. Students study texts of various genres (e.g., the novel, drama, short stories, memoir, poetry, journal and newspaper articles and essays). They analyze literature from the stance of how and why authors use rhetorical features and literary devices to create meaning. Writing instruction focuses on literary analysis, synthesis, argumentation, as well as personal and creative forms. This course prepares students for the NYS Common Core English Language Arts Regents. It also prepares them for successful participation in college and career.

ENGLISH ELECTIVES

Seniors may fulfill their fourth year (12th grade) English requirement by enrolling in either AP English Literature, AP Language, Project Advance English, or Critical Analysis of Cultural Context (year courses) **OR** two electives. English electives marked by an asterisk (*) are not available to seniors

FALL SEMESTER

- 1541 Popular Literature
- 1581 Literature through Cinema
- 1661 College Composition
- 1761 Introduction to College Research

SPRING SEMESTER

- 1452 Analyzing Children's Literature
- 1472 Creative Writing
- 1732 Communications Today: Reading the Media
- 1742 Social Issues in Literature

ALTERNATE DAY – FULL YEAR

- * 1684 Creative Writing (Grades 9-10)
- 1534 Journalism (Grades 9-12)
- 1604 Advanced Writing Studio (Grades 10-12)
- 1614 Advanced Writing Studio 2 (Grades 11-12)
- 1624 Public Speaking (Grades 9-12)
- *1454 College Prep (Grade 11)

1604 ADVANCED WRITING STUDIO 1 - ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisite: Demonstrated commitment to writing through English teacher recommendation, a substantial creative writing portfolio, and/or Creative Writing 9/10.

Recommended for: Grades 10-12

Description: Advanced Writing Studio is a workshop course for serious talented writers who want to pursue independent writing projects such as plays, short stories, poetry chapbooks, and novels. Through peer review and active participation in style exercises, each student will develop a thick portfolio which is the principal means of assessment. Students are encouraged to submit their writing to school publications and contests and to participate in school sponsored public readings.

1614 ADVANCED WRITING STUDIO 2 - ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisite: Advanced Writing Studio 1

Recommended for: Grades 11-12

Description: Advanced Writing Studio 2 is a continuation of Advanced Writing Studio 1 for serious writers who want to continue developing their individual writing projects. Motivated students will have the opportunity to prepare and perfect their projects for publication.

1452 ANALYZING CHILDREN'S LITERATURE

Spring, 0.5 Credit, 1 Period

Recommended for: Grades 10-12

Description: From picture books to classical chapter book favorites, students critically study the literary, political, historical, and cultural influences of these works on themselves and society.

THIS COURSE IS NOT APPROVED BY THE NCAA CLEARINGHOUSE ELIGIBILITY CENTER.

1661 COLLEGE COMPOSITION

Fall, 0.5 Credit, 1 Period

Recommended for: Grades 10-12

Description: College Composition prepares students for the caliber of writing expected in college. Instruction centers on developing greater technique and sophistication in many types of writing, including college entrance essays, personal compositions, argumentative essays and research papers. Through the writing process students develop greater control of style, tone, voice, and effect in their writing. Using self and peer evaluation, students edit and revise their work to create a quality portfolio.

1454 COLLEGE PREP – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grade 11 only

Description: The College Prep program focuses on improving reading comprehension, vocabulary and writing skills in preparation for the SAT and ACT exams. In addition to receiving instruction in basic grammar and usage, students work on developing a natural writer's "voice" in preparation for writing both the SAT essay and the college application essay, a course requirement. As a final project, students conduct research on colleges using the College Board College Search Guide, individual college website, as well as the facilities in our Guidance Resource Center.

***May not be used to fulfill senior English requirement**

1732 COMMUNICATIONS TODAY: READING THE MEDIA

Spring, 0.5 Credit, 1 Period

Recommended for: Grades 11-12

Description: This course explores the media's effects on the public via critical analysis of processes, products, and patterns in television, film, music videos, radio, newspapers, magazines, and the Internet. The course includes readings in social criticism and media studies as well as personal response and research-based writing.

THIS COURSE IS NOT APPROVED BY THE NCAA CLEARINGHOUSE ELIGIBILITY CENTER.

1684 CREATIVE WRITING – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-10

AND

1472 CREATIVE WRITING

Spring, 0.5 Credit, 1 Period

Recommended for: Grades 11-12

Description: Students in Creative Writing develop personal narratives, poetry, plays, and short stories from literary and imaginative prompts. Using self and peer evaluations, students will edit and revise their work to create a quality portfolio.

1761 INTRODUCTION TO COLLEGE RESEARCH

Fall, 0.5 Credit, 1 Period

Recommended for: Grades 10-12

Description: This course prepares students for the rigors of college research. Through a variety of projects, students learn how to explore a topic, discern reliable sources, analyze text, cite, and synthesize information to write a cohesive persuasive research paper.

1534 JOURNALISM – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12

Description: Journalism emphasizes the basics of print and electronic journalism. Included are the understanding, gathering, writing, and editing of news features and editorials. Other areas include journalism ethics, press law, rights and responsibilities of student press and propaganda. Students are encouraged to submit finished pieces to the school newspaper, *The Pulse*.

1581 LITERATURE THROUGH CINEMA

Fall, 0.5 Credit, 1 Period

Recommended for: Grades 10-12

Description: Through a new approach to storytelling, this course delves into literary works and their cinematic counterparts. Students analyze the artistic and cultural perspectives of various genres and reflect on the directors' and authors' messages.

THIS COURSE IS NOT APPROVED BY THE NCAA CLEARINGHOUSE ELIGIBILITY CENTER.

1541 POPULAR LITERATURE

Fall, 0.5 Credit, 1 Period

Recommended for: Grades 11-12

Description: This course involves analyses of fiction, drama, poetry, non-fiction, television, and film of the last ten years to transform students into adult readers and thinkers. Students read works published in current magazines and newspapers, novels from best seller lists, poetry, and song lyrics. Writing assignments include personal responses and formal literary essays. Oral assignments consist of book talks, class debates, and research-based presentations.

1624 PUBLIC SPEAKING – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12

Description: This course is designed to help students become more effective speakers and listeners. Assignments include the delivery of impromptu, informative, and persuasive speeches as well as storytelling, interviews, debates, and other group work. The aim is to develop communication skills that contribute positively to each student's personality.

1742 SOCIAL ISSUES IN LITERATURE

Spring, 0.5 Credit, 1 Period

Recommended for: Grades 10-12

Description: Students discuss a variety of provocative fiction and nonfiction works to explore how personal, cultural and controversial issues affect their lives.

1350 ENGLISH 12: EXAMINING AMERICANA

Year, 1 Credit, 1 Period

This course fulfills the twelfth grade English requirement.

Prerequisite: Successful completion of eleventh-grade English course

Recommended for: Twelfth-grade students who are interested in preparing for college-level work and enlightened participation in a pluralistic society.

Objectives: In this course students evolve as critical readers, thinkers, and writers as they unpack ideas and images depicted in cross-curricular readings and media that not only engage them, but challenge them to reexamine deeply rooted cultural assumptions. Students compose reflective responses on various ideas explored in the course. As a final project, they will choose one central idea on which to write a research-based argument paper, synthesizing information from various sources.

HEALTH

- 4734** College 101: Transition – Alt.
- 4740** Community Health
- 4724** Health Education – Alt.
- 4769** Health Education – Castle Program – Alt.
- 4764** Introduction to Athletic Training and Sports Medicine – Alt.
- 4754** Physiology of Exercise – Alt.
- 4750** Peer Educators 9
- 4800** Peer Helpers 10
- 4780** Peers as Leaders
- 4770** PAL Seminar

PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.

Administrative Assistant
Shai Fisher (516) 364-5680

HEALTH EDUCATION DEPARTMENT

4734 COLLEGE 101: TRANSITION – FROM HIGH SCHOOL TO COLLEGE – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: Twelfth grade students who have completed the New York State health mandated course at the high school level

Description: This practical course will make the transition from high school to college less intimidating. This class deals with critical issues when you are on your own in college. Students will explore, discuss and gain knowledge in topics such as:

- Drugs and alcohol
- Dating
- Human sexuality and social issues
- Freshman 15
- Fraternities and sororities
- Living with a roommate
- College life
- Time management
- Dorm safety
- College study techniques
- Dining hall and healthy eating
- Refusal skills

4740 COMMUNITY HEALTH

Year, 1.0 Credit (0.5 Credit for Health Education and 0.5 Credit for an Elective in Health Education), 1 Period Daily

Recommended for: Students in grades 11-12 who have not taken the required course in Health Education

Description: The goal of the community health class is to make the school and community aware of various health issues. The course runs in conjunction with the 11th grade health curriculum, with a community service component as a .5 credit elective. Students will learn that their decisions affect not only themselves but other people and the community as well. Students are required to complete five hours of community service each quarter. These are outside events that the students select on their own. The teachers will offer suggestions for community service during the school year.

Students are also required to complete two community service events that are related to the school. These events could either take place in the evening or during the school day. All community service requirements are monitored by the classroom teacher. Possible events may include: Walk-a-thon, Sneaker Recycling Drive, Mary Brennan Soup Kitchen, Ronald McDonald House, Breast Health Peer Training, Birthday Wishes, Homework Helpers, Various Monthly Awareness Activities, Health Fair, and Junior Day.

This class will fulfill the 11th grade mandated health class requirements

4724 HEALTH EDUCATION – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Required for: Health Education – Alt. meets the graduation requirement for all students. Normally scheduled for the 11th grade. Students may postpone health until 12th grade for a serious reason.

Recommended for: 11th graders

Description: The following topics are covered in class:

Insights on the human condition including:

- Knowledge of self and human behavior
- Developing self-awareness and self-management skills essential for mental health
- Teen conflicts and problems
- Self-enhancing and self-defeating behavior
- Possible problem areas: anxiety, depression, suicide, gambling, eating disorders, mental illnesses

Alcohol and other Drugs:

- Substance abuse among teens

Diseases:

- Sexually transmitted infections; including HIV
- Cancer awareness

Human Sexuality:

- Healthy dating relationships
- Acquaintance rape and avoidance
- Conception and contraception
- Other social issues

4769 HEALTH EDUCATION – CASTLE PROGRAM – ALT.

Year, 1.0 Credit, 1 Period on Alternate Days

Prerequisites: Must be in the Alternative School Program.

Required for: 11th grade students in the Alternative School Program

Description: This course meets the graduation requirement. It is run in conjunction with the 11th grade health course.

4764 INTRODUCTION TO ATHLETIC TRAINING & SPORTS MEDICINE – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: 10-12 grade students

Description: This is an introductory course in the field of Athletic Training and Sports Medicine.

Students will learn strategies for injury prevention, injury assessment, and injury rehabilitation.

Concepts in human anatomy, anatomical and directional terms, the skeletal system, and the

muscular system will be taught. Students will also learn first aid and the proper techniques to

administer aid when necessary. Possible activities may include becoming a student trainer.

4754 PHYSIOLOGY OF EXERCISE – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days (0.5 credit for Physical Education Requirement)

Prerequisite: Introduction to Athletic Training and Sports Medicine course

Recommendation: 11th and 12th grade students

Description: This is the second course in the Athletic Training and Sports Medicine program. This course explores the physiological aspects of human movement. The purpose of this course is to give students an opportunity to gain skills, knowledge and experience in physical and physiological development through laboratory, nutrition and active exercise programs. This will be a hands-on approach with practical applications such as developing fitness plans, different techniques to measure body composition, and how to perform blood pressure and electrocardiogram tests.

4750 PEER EDUCATORS 9

Year, 1.0 Credit, 1 Period Daily

Recommended for: Freshmen

Description: The Peer Educator program is the first of the four year Peer Education Program at the high school. This special class helps students transition from middle school to high school more easily. Students are extensively trained in communication and leadership skills. They will have the opportunity to teach lessons, to be a peer mentor and will be asked to help lead their grade in school activities.

Prerequisite: Students must complete a Peer Educators application form, have three teacher recommendations and be interviewed for the class at the end of their eighth grade year.

4800 PEER HELPERS 10

Year, 1.0 Credit, 1 Period Daily

Prerequisite: Interview with teacher, peer helper's application form, and teacher recommendations. **Recommended for:** Sophomores

Description: Students are trained in communication and leadership skills. Students provide peer-helping services to other students in our school and conduct awareness lessons to students in our wellness classes. Students will become knowledgeable in various health-related topics such as substance abuse, peer pressure, character education and bullying.

4780 PEERS AS LEADERS

Year, 1.0 Credit, 1 Period Daily

Prerequisites: Interview with teacher and current PAL students, application form and teacher recommendations.

Recommended for: Juniors

Description: Students are trained in communication and leadership skills. Training takes place all year. Students are trained to become peer helpers, peer facilitators and peer mediators.

4770 PAL SEMINAR

Year, 1.0 Credit, 1 Period Daily

Prerequisites: Interview with teacher and current PAL students, application form and teacher recommendations. Students DO NOT have to be enrolled and successfully complete course 4780, Peers as Leaders.

Recommended for: Seniors

Description: Students review their training skills and continue to provide services to the school and community.

HUMAN ECOLOGY

- 7251** Child Psychology & Development – Fall
- 7252** Child Psychology & Development – Spring
- 7281** Child Study Lab – Fall
- 7282** Child Study Lab – Spring
- 7284** Psychology of Parenting – Alt.
- 7400** Advanced Placement Psychology
- 7424** Project Advance Psychology – Alt.
- 7264** Developmental Psychology – Alt.
- 7344** Interior Design – Alt.
- 7121** American Cuisine – Fall
- 7174** International Foods – Alt.
- 7132** Bake Shop Science I – Spring
- 7142** Bake Shop Science II – Spring
- 7224** Fashion Workshop – Alt.
- 7234** Advanced Fashion Workshop – Alt.
- 7131** Healthy Cooking – Fall
- 7152** Healthy Cooking – Spring
- 7271** College Applied Nutrition
- 7262** Applications in Advanced Psychology
- 9484** S.A.I.L. (Skills to Achieve Independent Living) with Human Ecology

See Advanced Research Program, Pages 19 - 23

PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.

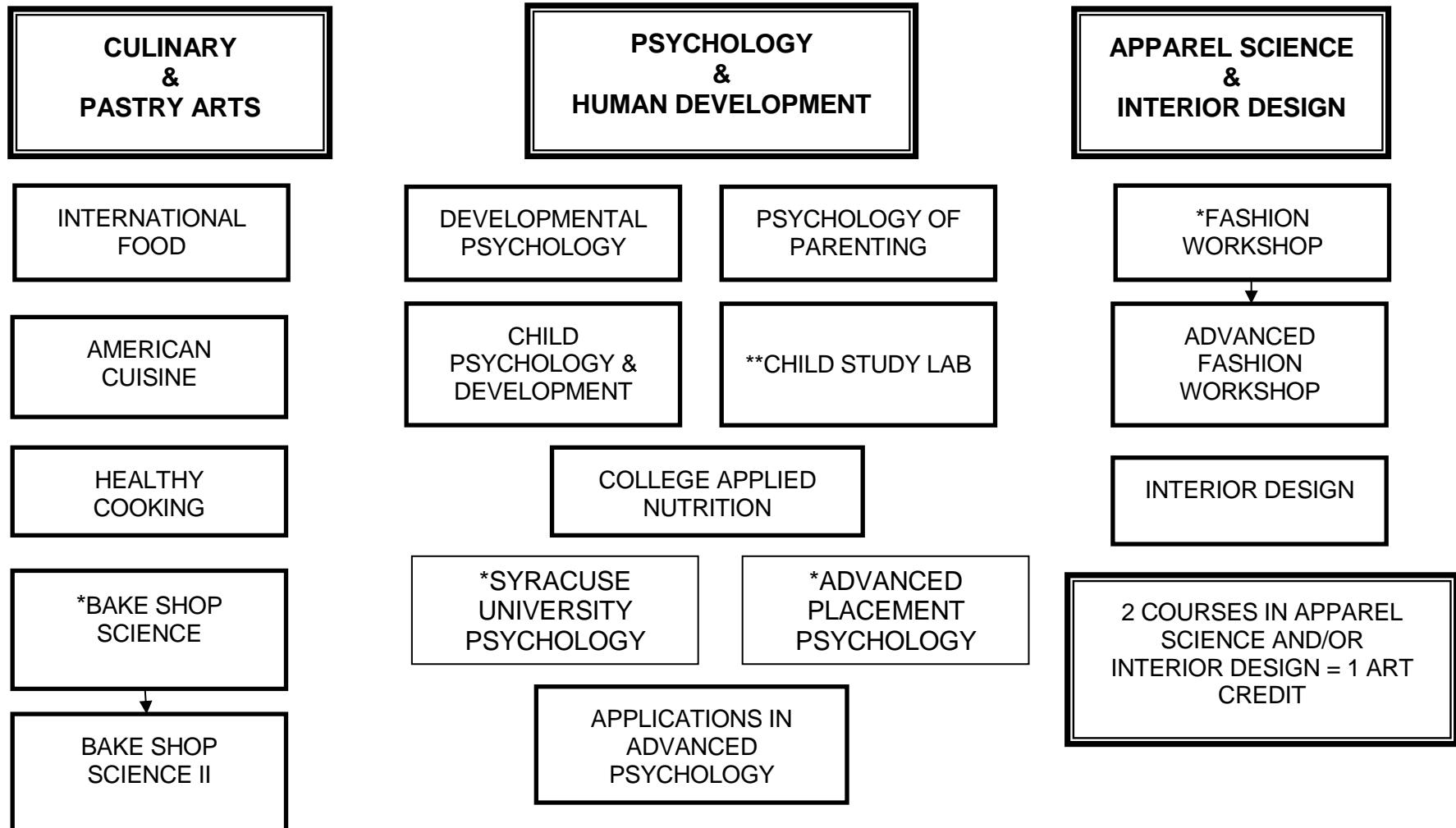
Assistant Principal

Raymond Gessner

364-5675

HUMAN ECOLOGY DEPARTMENT PATHWAYS

Students may earn credit towards an Advanced Regents Diploma by completing a 5-unit sequence option in Human Ecology



COURSES MAY BE TAKEN IN ANY SEQUENCE WITH THE FOLLOWING EXCEPTIONS:

*Indicates a prerequisite for the next course in the pathway

**Available to second semester Sophomores, Juniors & Seniors with a prerequisite of ONE (1) other psychology course

HUMAN ECOLOGY DEPARTMENT

Aligned with college and university programs, Syosset High School's Human Ecology Department uses an interdisciplinary approach to examine the relationship between humans and their natural, social and built environments. Human Ecology classes provide students with the unique opportunity to explore real-world topics such as child care and development, teacher education, nutrition, lifespan studies and psychology. Classes are also offered that allow students to study and apply skills within the realms of culinary arts, interior design, and clothing construction. Authentic and relevant classwork encourages creativity, self-expression, introspection, and fosters the development of practical life-skills. Several courses are available for advanced placement (AP) and college credit. Contact members of the Human Ecology Department or Guidance counselors for additional information on this exciting group of electives. **Students interested in an Advanced Regents Diploma may choose to complete a five-unit sequence option in Human Ecology.**

*Research social sciences is available through the Advanced Research Program. See pages 19 - 23.

SUMMARY OF HUMAN ECOLOGY COURSES

Courses in Psychology-Social Development:

7400	Advanced Placement Psychology	One Year	AP Exam
7424	Project Advance Psychology (Juniors & Seniors)	Alternate Day	3 College Credits
7251	Child Psychology	Fall	
7252	Child Psychology	Spring	
7264	Developmental Psychology	Alternate Day	
7281	Child Study Lab	Fall	
7282	Child Study Lab	Spring	
7284	Psychology of Parenting	Alternate Day	

Courses in Food Preparation:

7121	American Cuisine	Fall
7131	Healthy Cooking	Fall
7152	Healthy Cooking	Spring
7132	Bake Shop Science I	Spring
7142	Bake Shop Science II	Spring
7174	International Foods	Alternate Day

Courses in Design:

7224	Fashion Workshop	Alternate Day
7234	Advanced Fashion Workshop	Alternate Day
7344	Interior Design	Alternate Day

7251 CHILD PSYCHOLOGY & DEV – Fall**7252 CHILD PSYCHOLOGY & DEV – Spring**

Fall or Spring, 0.5 Credit, 1 Period

Required for: Students who plan to enroll in the Child Study Lab (7281 or 7282)

Recommended for: Grades 9-12

Description: A study of the child from birth to age six, covering social, intellectual, moral, physical, language, and emotional development. We will discuss the psychological development of children within their environment as it relates to their age. Major theories of child development are discussed through individual work, group work and projects.

7281 CHILD STUDY LAB - Fall**7282 CHILD STUDY LAB - Spring**

0.5 Credits, 1 Period

Prerequisite: Students must complete one of the following: Child Psychology (7251 or 7252), A.P. Psychology (7400), Developmental Psychology (7264), Psychology of Parenting (7284), or Project Advance Psychology (7424)

Recommended for: Grades 11 and 12

Description: Based on information obtained in previous classes, high school students will facilitate a comprehensive program in which they will design and implement developmentally appropriate multi-sensory activities for pre-school aged children. Four year olds from the community will be the participants in this class.

7284 PSYCHOLOGY OF PARENTING – ALT.

Year, 0.5 Credit 1 Period on Alternate Days

Recommended for: Grades 9-12

Description: Students will examine issues affecting parents through discussion, projects, guest speakers, and media. Topics include parenting readiness, parenting styles, behavioral expectations, sibling rearing, modeling, social, economic, and technological impacts on parenting, and technological impacts on parenting, and theoretical models of parenting. Other topics examined are: child care, health and safety, single parenting, support systems (family and community) benchmarks for the developing child, conflicting value systems, discipline, children with developmental challenges, and unique issues confronting parents in the 21st century.

7400 A.P. PSYCHOLOGY

Year, 1.0 Credit, 1 Period

Recommended for: 10th-12th grade students who want to take the Advanced Placement test in psychology

Expense: Student expense of approximately \$94.00 for AP exam.

Description: A.P. Psychology is a full year accelerated course. The course provides an introduction to the behavior of individuals. It examines major areas of interest such as experimental research, the biological basis of behavior, learning, development, personality, abnormal behavior, therapy and social interaction. There is an emphasis on critical thinking and meta-cognition. Students must sit for the A.P. examination.

7424 PROJECT ADVANCE PSYCHOLOGY – ALT.

(Syracuse University Course PSYCH 205)

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Seniors and juniors who want to experience collegiate work and earn three college credits

Expense: Tuition of approx. \$345.00 (approx. \$115.00 per credit) is paid directly to Syracuse University.

Description: Syracuse University Project Advance Psychology is a three credit innovative program designed to explore fundamentals in introductory psychology. Topics include biological causes of behavior, motivation and emotion, learning and memory, thinking and cognitive development, personality and social development, and intelligence.

Note: Students must commit themselves to the course for the entire year.

7264 DEVELOPMENTAL PSYCHOLOGY – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9-12

Description: Students will study the social, intellectual, moral, physical and emotional development of humans from birth to death. Emphasis is placed on major lifetime milestones and experiences such as child development, education, friendship, college and career exploration, relationships, family dynamics and aging. Class work is project-based and promotes critical thought and reflection through discussions, debates, reviews of current articles and films, and individual and cooperative assignments.

7344 INTERIOR DESIGN – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 9 -12

Description: The students will learn the essential components of interior design incorporated in the development and drafting of a final plan for interior decoration. The course will highlight recent decorating trends, lifestyles, type of dwellings, and architectural styles. Students will attend presentations by professional interior designers. Students will learn to use Chief Architect computer software to design and decorate the interior of a home.

NOTE: Fulfills 0.5 credit of the Arts graduation requirement.

7121 AMERICAN CUISINE

Fall, 0.5 Credits, 1 Period

Recommended for: Grades 9-12

Description: Students will practice culinary techniques and participate in recipe preparation via a culinary “road trip” across America. Emphasis will be placed on regional and culturally influenced foods, current recipe trends, and classic holiday favorites.

7174 INTERNATIONAL FOODS – ALT.

Year, 0.5 Credits, 1 Period on Alternate Days

Recommended for: Grades 9-12

Description: A world tour featuring foods from France, Italy, China, and Latin America with stops in many regions along the way. Students will learn and practice culinary techniques using world cuisine as the vehicle.

7132 BAKE SHOP SCIENCE I

Spring, 0.5 Credit, 1 Period

Recommended for: Grades 9-12

Description: An introduction to the art and science of baking. Students will learn fundamental pastry techniques and participate in the preparation of sweet and savory baked goods. Topics include cakes, cookies, quick breads, yeast dough, appetizers, and entrees as well as beginning cake decorating.

7142 BAKE SHOP SCIENCE II (PASTRY ARTS)

Spring, 0.5 Credit, 1 Period

Prerequisite: Bake Shop Science I (7132)

Recommended for: Grades 10-12

Description: Building on knowledge from Bake Shop Science I, students will learn advanced culinary techniques and acquire a more in-depth knowledge of the art and science of baking. Topics include pastries, custards, pies, tortes, yeast breads, and savory dishes as well as entrepreneurial and professional baking careers. Emphasis will be placed on professional quality cake design and decorating utilizing a variety of finishing techniques.

7224 FASHION WORKSHOP – ALT.

Year, 0.5 Credits, 1 Period on Alternate Days

Recommended for: Grades 9-12

Expenses: Materials for personal projects

Description: Basic principles of hand and machine sewing are introduced. Students will select fabrics and sew garments of their choosing. Through hands-on experience, students will practice and apply a variety of sewing techniques.

NOTE: Fulfills 0.5 credit of the Arts graduation requirement.

7234 ADVANCED FASHION WORKSHOP – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisite: Fashion Workshop (7224)

Recommended for: Grades 9-12

Expenses: Materials for personal projects.

Description: Building on techniques learned in Fashion Workshop, students will learn advanced clothing construction techniques. Students will have the opportunity to use a computerized sewing machine and serger to create more complex garments.

NOTE: Fulfills 0.5 credit of the Arts graduation requirement.

7131 HEALTHY COOKING – FALL

Fall, 0.5 Credit, 1 Period

7152 HEALTHY COOKING – SPRING

Spring, 0.5 Credit, 1 Period

Recommended for: Grades 9-12

Description: Students will learn to prepare a variety of popular recipes with a focus on practical nutrition and healthy food choices. Emphasis will be placed on identifying healthier alternatives to favorite foods and modifying recipes for optimum nutrition while still maintaining flavor and esthetic. This will be an excellent complement to College Applied Nutrition (7271)

7271 COLLEGE APPLIED NUTRITION

(SUNY Farmingdale Course BIO 125 NUTRITION)

Fall, 0.5 Credits, 1 Period

Recommended for: Grades 11 and 12

Description: This course will provide an integrated overview of the physiological requirements and functions for the major macronutrients, energy, vitamins, minerals and phytochemicals that are determinants of health and disease. It will also stress the practical application of nutritional concepts through the life cycle. Students will discuss nutritional changes that occur during various

life stages such as pregnancy, infancy, adolescences, adulthood and old age as well as evaluate nutritional claims, fad diets and both controversial and contemporary nutrition topics in the media.

7262 APPLICATIONS IN ADVANCED PSYCHOLOGY

Spring, 0.5 Credits, 1 Period

Prerequisite: Successful completion of an AP Psychology or Syracuse Psychology course.

Recommended for: Grades 11 and 12

Description: Students will learn to apply previously learned psychological information to psychologically relevant creations and portrayals of psychological disorders through reading, writing and film. Assigned readings will be provided in the form of case studies, journals, and magazine articles. Movies and clips will be viewed and case studies will be evaluated and discussed in class.

9484 S.A.I.L. (SKILLS TO ACHIEVE INDEPENDENT LIVING) WITH HUMAN ECOLOGY

Human Ecology Elective – Grades 9 - 12+

Alt. Days, Full Year - 0.5 High School Credits

Fulfills 50 hours towards CDOS Commencement Credentials

Recommended for: Students currently enrolled in high school Life Skills and General Studies classes; students with a need for independent living skills. Approval needed from Special Education department and the Human Ecology department.

Description: The S.A.I.L. curriculum is designed to introduce students to the development of independent and acquisition of daily living skills. This course will serve as an introduction to and foundational skills for subsequent elective classes offered in the Human Ecology department. S.A.I.L. will provide students with opportunities to learn and practice transferrable, real-world competencies, such as, basic cooking, safety and sanitation skills, laundry and clothing maintenance, home and money management, child care and family relations, and career exploration, in a setting equipped with the appropriate equipment and technology for the specialized task and at a pace that can be differentiated to accommodate individual needs. The goal of S.A.I.L. is to provide students with basic tools to transfer these independent living skills to post-secondary options.

MATHEMATICS

- 3340** Algebra I CCSS
- 3250** Geometry CCSS
- 3220** and **3224** Geometry Lab CCSS
- 3290** Geometry Honors CCSS
- 3260** Mathematical Functions
- 3670** Algebra II CCSS
- 3650** and **3654** Algebra II CCSS Lab
- 3680** Algebra II CCSS Honors
- 3360** Precalculus
- 3370** and **3374** Precalculus Lab
- 3390** College Partnership Precalculus
- 3040** Math Theory Honors
- 3480** Advanced Algebra
- 3470** Applied Mathematics
- 3050** Advanced Placement Calculus AB
- 3190** and **3194** Advanced Placement Calculus AB-Lab
- 3060** Advanced Placement Calculus BC
- 3080** Advanced Placement Statistics
- 3690** Advanced Mathematics with Applications
- 3350** Discrete Mathematics
- 3874** Core Mathematics Workshop – Alt.
- 3854** Algebra II Workshop – Alt.

See Advanced Research Program, Pages 19-23

Computer Science

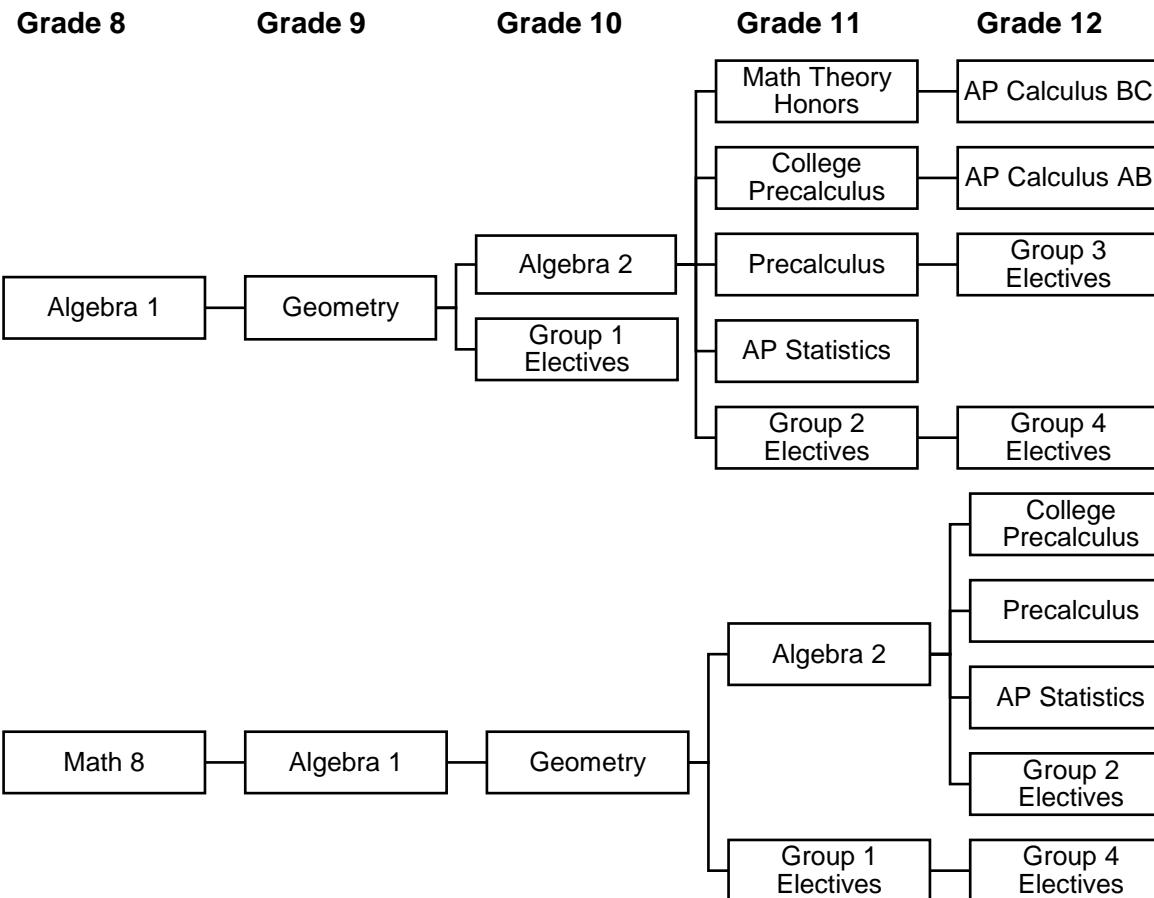
- 3684** Introduction to Computer Programming – Alt.
- 3784** Advanced Computer Programming – Alt.
- 3070** Advanced Placement Computer Science A
- 4000** AP Computer Science Principles
- 4600** Sy-Stem Robotics

PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.

Coordinator for Mathematics

Dr. John Genova 364-5705

TYPICAL PROGRESSION OF MATHEMATICS COURSES



Group 1 Electives:
AP Statistics
Mathematical Functions

Group 2 Electives:
AP Statistics
Advanced Algebra

Group 3 Electives:
AP Statistics
Advanced Math with Applications
Discrete Math

Group 4 Electives:
Applied Mathematics

Other pathways may be best for some students. Students should discuss academic plans with their teacher, guidance counselor, and coordinator.

3340 ALGEBRA I CCSS

Year, 1 Credit, 1 Period

Prerequisites: Math 8 or equivalent

Required for: Geometry CCSS, Geometry CCSS L

Recommended for: This course is a graduation requirement.

Description: The fundamental purpose of this course is to formalize and extend the mathematics that students have previously learned. The critical areas of this course deepen and extend the students' understanding of linear and exponential relationships by contrasting these relationships with each other and by applying linear models to data that exhibit a linear trend. Students will engage in methods for analyzing, solving and using quadratic functions. Students will master the solution of linear equations and apply related solution techniques and the laws of exponents to the creation and solution of exponential equations. Students also expand their experience with functions to include more specialized functions such as absolute value, step and those that are piecewise-defined. The CCSS Regents examination for Algebra I will be administered in June of this school year.

3250 GEOMETRY CCSS

Year, 1 Credit, 1 Period

Prerequisites: Passing grade in the Algebra I CCSS course and a minimum grade of 75 on the Algebra I CCSS Regents Examination

Required for: Algebra II CCSS

Recommended for: Students following the sequence for a Regents diploma with advanced designation

Description: Students will explore more complex geometric situations and will deepen their explanations of geometric relations including formal mathematical arguments. Transformational geometry will be emphasized throughout the course. Students will establish triangle congruence criteria based on analyses of rigid motions and formal constructions. Students will use triangle congruence as a foundation for the development of formal proofs.

The concepts of similarity will be used to solve problems and to understand right triangle trigonometry. Students will develop the Laws of Sines and Cosines in order to find missing measures of general triangles, building on students' work with quadratic equations done in their previous mathematics courses. Students will prove the basic theorems of circles and study the relationships between the segments and angles in a circle. The CCSS Regents examination for Geometry will be administered in June of this school year.

3220 & 3224 GEOMETRY LAB CCSS

Year, 1 Credit, 1 Period plus alternate day lab

Prerequisites: Passing grade in the Algebra I CCSS course and a passing grade on the Algebra I CCSS Regents

Required for: Algebra II CCSS

Recommended for: Students following the sequence for a Regents diploma with advanced designation

Description: This course is equivalent to Geometry CCSS, course #3250. Students will meet for one period each day and a lab period every other day. The lab period that is a required portion of the course will be devoted to the reinforcement of the various skills necessary for the

student's success in this course. The CCSS Regents examination for Geometry will be administered in June of this school year.

3290 GEOMETRY HONORS CCSS

Year, 1 Credit, 1 Period

Prerequisites: A minimum grade of 90 on the Algebra I CCSS Regents

Recommended for: Outstanding mathematics students

Description: This course is designed for the study of Geometry topics at an enriched level of instruction. All topics taught in the Geometry CCSS course #3250 will be addressed along with additional enriched course work. The CCSS Regents examination for Geometry will be administered in June of this school year.

3260 MATHEMATICAL FUNCTIONS

Year, 1 Credit, 1 Period

Prerequisites: Passing grade in the Geometry or Geometry-Lab course

Recommended for: Students who need to develop additional algebraic skills in order to continue with the study of Algebra II topics

Description: This course will provide extra preparation for Algebra II as well as providing the necessary review of previous learned topics in Algebra I and Geometry. This course will also address the Geometry topics found on the SAT's. Following this course, students may continue their studies with our Algebra II CCSS course in order to take the CCSS exam. Students who have not passed the Geometry CCSS Regents examination prior to this course should also be enrolled in the core workshop course in preparation for retaking the Regents examination.

THIS COURSE IS NOT APPROVED BY THE NCAA CLEARING HOUSE.

3670 ALGEBRA II CCSS

Year, 1 Credit, 1 Period

Prerequisites: Passing grade in the Geometry CCSS course and a minimum grade of 75 on the Geometry CCSS Regents exam

Required for: This course is a prerequisite for Precalculus, Discrete Mathematics, and Advanced Algebra.

Recommended for: Students following the sequence for a Regents diploma with advanced designation

Description: The class will develop topics including intermediate algebra, advanced algebra, exponential and logarithmic functions, trigonometry, the complex number system, sequences and series, probability, permutations, combinations, and statistics. The CCSS Regents examination for Algebra II will be administered in June of this school year.

SAT SUBJECT TEST(S) - RECOMMENDED: MATHEMATICS LEVEL 1

3650 & 3654 ALGEBRA II CCSS LAB

Year, 1 Credit, 1 Period plus alternate day lab

Prerequisites: Passing grade in the Geometry or Geometry Lab course and a passing grade on the Geometry CCSS Regents examination

Required for: This course is a prerequisite for Precalculus, Discrete Mathematics, and Advanced Algebra.

Recommended for: Students following the sequence for a Regents diploma with advanced designation

Description: This course is equivalent to the Algebra II CCSS class. Students will meet for one period each day and a lab period every other day. The lab period that is a required portion of the course will be devoted to the reinforcement of the various skills necessary to be successful on the CCSS Algebra II Regents examination that will be administered in June of this school year.

SAT SUBJECT TEST(S) - RECOMMENDED: MATHEMATICS LEVEL 1

3680 ALGEBRA II CCSS HONORS

Year, 1 Credit, 1 Period

Prerequisites: Minimum grade of a B in the Geometry course and a mastery grade on the Geometry CCSS Regents examination

Recommended for: Outstanding mathematics students desiring an in-depth course corresponding to the Algebra II CCSS Program as well as preparation for Math Theory Honors and BC Calculus

Description: The class will cover topics from the New York State Learning Standards specific to the Algebra II CCSS course of study including intermediate algebra, advanced algebra, exponential and logarithmic functions, trigonometry, the complex number system, sequences and series, probability, permutations, combinations, and statistics. In addition to completing the topics in Algebra II CCSS, this course covers many Precalculus topics needed for entry into senior year calculus. This course emphasizes analytical thinking through function and statistical analysis. Additional topics include synthetic division, solving higher degree equations, and graphical analysis. The CCSS Algebra II Regents examination will be administered in June of this school year.

SAT SUBJECT TEST(S) - RECOMMENDED: MATHEMATICS LEVEL 1

3360 PRECALCULUS

Year, 1 Credit, 1 Period

Prerequisites: Passing grade in the Algebra II or Algebra II Honors course and a minimum grade of 75 on the Algebra II CCSS Regents examination

Recommended for: Students who are preparing to take a calculus course in the future

Description: The course will cover additional work on functions including algebraic, exponential, logarithmic and trigonometric with applications including the complex plane and polar form. Sequences and series are covered with limits and optional topics, time permitted. The emphasis is on developing the concepts that play a central role in calculus by exploring these ideas from a graphical, numerical and algebraic perspective, with an ongoing focus on real-world problem solving in which the student becomes an active participant. This course integrates graphing technology without losing sight of the fact that the underlying mathematics is the crucial issue.

SAT SUBJECT TEST(S) - RECOMMENDED: MATHEMATICS LEVEL 1 or 2

3370 & 3374 PRECALCULUS LAB

Year, 1 Credit, 1 Period plus alternate day lab

Prerequisites: Passing grade in Algebra II or Algebra II Lab course and a passing grade on the Algebra II CCSS Regents examination

Recommended for: Students who are preparing to take a calculus course in the future

Description: This course is equivalent to the Precalculus course. Students will meet for one period each day and a lab period every other day. The lab period that is a required portion of the course will provide extra time to accomplish the skills necessary to be successful in Precalculus.

3390 COLLEGE PARTNERSHIP PRECALCULUS

Year, 1 Credit, 1 Period

Prerequisites: Passing grade in Algebra II or Algebra II Honors course, teacher recommendation, and a mastery grade on the Algebra II CCSS Regents examination

Recommended for: Students who wish to earn college credit while preparing for a calculus course

Expenses: Estimated cost is \$290.00. Students can earn four college credits for this course. The actual fee will be announced prior to registration.

Description: This is a Precalculus course that gives a unified treatment of functions of algebra and trigonometry and provides the basic mathematical background required for the sciences. C. W. Post Campus of Long Island University has formed a partnership with Syosset High School to offer this four credit college course. These credits are transferable to most universities where Precalculus is offered. A grade of C or better will be needed to transfer credit to most colleges. Students will incur a tuition fee payable to C. W. Post – Long Island University. An instructor from C. W. Post will meet with the class 6 times during the school year.

Students must be registered for this course by the end of September.

3040 MATH THEORY HONORS

Year, 1 Credit, 1 Period

Prerequisites: Mastery grade in the Algebra II course and a minimum grade of 90 on the Algebra II CCSS Regents examination

Required for: Advanced Placement Calculus BC

Recommended for: Junior honor students in mathematics who wish to take an AP Calculus BC in future

Description: Sophisticated mathematical concepts are developed to solve advanced level problems in Precalculus and Discrete Mathematics. Careful attention is paid to the derivation of formulas and relationships. Students will learn how to read and interpret problems as well as develop the tools for finding solutions to the problems. Topics covered will include rational functions, transcendental functions, vector analysis, complex number theory, graph theory, and sophisticated counting techniques.

SAT SUBJECT TEST(S) - RECOMMENDED: MATHEMATICS LEVEL 2

3480 ADVANCED ALGEBRA

Year, 1 Credit, 1 Period

Prerequisites: Passing grade in Algebra II or Algebra II Lab course

Recommended for: College bound juniors or seniors who desire another year of mathematics but do not desire to take the full-year theoretical Precalculus course

Description: This course will be less rigorous than Precalculus and will further prepare the student in the areas of algebra, graphical techniques, functions, analytic geometry, theory of equations, problem solving, linear programming, and matrices. Students who have not passed the Algebra II CCSS Regents examination prior to this course should also be enrolled in the Algebra II CCSS workshop in preparation for retaking the CCSS exam.

3470 APPLIED MATHEMATICS

Year, 1 Credit, 1 Period

Prerequisites: Algebra I CCSS

Recommended for: Students desiring an additional year of mathematics

Description: This course will demonstrate the uses of mathematics in the real world.

Arithmetic, algebraic, and geometric applications in business, construction, science, art, and industry will be explored.

THIS COURSE IS NOT APPROVED BY THE NCAA CLEARING HOUSE.

3050 ADVANCED PLACEMENT CALCULUS AB

Year, 1 Credit, 1 Period

Prerequisite: A minimum final overall average of a B in Precalculus or equivalent and a minimum grade of 80 on the Algebra II exam

Recommended for: Senior mathematics students who would like to gain Advanced Placement credit in mathematics

Expenses: Student expense of approximately \$94 for AP exam

Description: This is the equivalent to the freshman college two-semester Calculus course.

The Advanced Placement Calculus AB exam will be administered in May. The use of the graphing calculator will be required on some sections of the Advanced Placement exam.

The link below provides a description:

<https://apcentral.collegeboard.org/courses/ap-calculus-ab?course=ap-calculus-ab>

3190 & 3194 ADVANCED PLACEMENT CALCULUS AB-LAB

Year, 1 Credit, 1 Period plus alternate day lab

Prerequisites: Passing grade in the Precalculus or Precalculus Lab course or equivalent and a passing grade on the Algebra II exam

Recommended for: Senior mathematics students who would like to gain Advance Placement credit in mathematics and could benefit from an extra period of instruction every other day

Expenses: Student expense of approximately \$94 for AP exam

Description: This course is equivalent to the AP Calculus AB course. Students will meet for one period each day and a lab period every other day. The lab period that is a required portion of the course will provide extra time to accomplish the skills necessary to be successful on the AP Examination for Calculus AB. The Advanced Placement Calculus AB exam will be administered in May. The use of the graphing calculator will be required on some sections of the Advanced Placement exam.

The link below provides a description:

<https://apcentral.collegeboard.org/courses/ap-calculus-ab?course=ap-calculus-ab>

3060 ADVANCED PLACEMENT CALCULUS BC

Year, 1 Credit, 1 Period

Prerequisites: Passing grade in the Math Theory Honors course and a minimum grade of a 90 on the Algebra II exam

Recommended for: Senior mathematics students who would like to gain Advanced Placement credit in mathematics

Expenses: Student expense of approximately \$94 for AP exam

Description: This course is equivalent to a three-semester college calculus course with vectors. Differential equations are also included. The Advanced Placement Calculus BC exam will be administered in May. Use of the graphing calculator will be required on some sections of the Advanced Placement exam. Two scores on the A.P. exam will be given: a BC score and an AB sub score.

The link below provides a description:

<https://apcentral.collegeboard.org/courses/ap-calculus-bc?course=ap-calculus-bc>

3080 ADVANCED PLACEMENT STATISTICS

Year, 1 Credit, 1 Period

Prerequisite: Passing grade in the Algebra II course or a passing grade in Geometry Honors and an 85 or better Regents exam score.

Recommended for: 11th or 12th grade and strongly recommended for juniors in the Advanced Research Program

Expenses: Student expense of approximately \$94 for AP exam

Description: The AP Statistics course is an excellent option for any student who has successfully completed Algebra II and especially for those students planning to do research work. This course can be taken concurrently with Algebra 2 or Precalculus. The purpose of the course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The topics for AP Statistics are divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. The Advanced Placement examination is administered in May.

The link below provides a description:

<https://apcentral.collegeboard.org/courses/ap-statistics/course>

3690 ADVANCED MATHEMATICS WITH APPLICATIONS

Year, 1 Credit, 1 Period

Prerequisites: Passing grade in the Precalculus course and a passing grade on the Algebra II CCSS Regents examination

Recommended for: Seniors

Description: This year course is designed to cover topics from college calculus and statistics. Students will have the opportunity to explore in depth the ideas and formulae traditionally covered in these courses. The topics covered will include: advanced Precalculus topics, single variable calculus, statistics and analysis, and a wide variety of applications and explorations of theoretical problems. This study of advanced mathematics topics will have an abundance of real-life applications that accurately represent the diverse uses of calculus and statistics.

Technology will be used throughout the course as both a problem-solving tool and an investigative tool.

3350 DISCRETE MATHEMATICS

Year, 1 Credit, 1 Period

Prerequisites: Passing grade in the Advanced Algebra or Precalculus course or departmental approval

Recommended for: Grade 12 only

Description: Discrete Mathematics is a rapidly growing and increasingly used branch of mathematics with many practical and relevant applications. It deals with complex problem-solving in a variety of fields ranging from networking and telecommunications to cryptanalysis, social choice theory, statistics, and operations research. Topics will be introduced and studied from the standpoint of numerical analysis, algebraic manipulation skills, geometrical/graphical interpretation, and through the written word. Computer usage is an integral part of the course. Working with spreadsheets and other math programs enables each student to analyze the course material and arrive at his/her own conclusions with sufficient justification.

3874 CORE MATHEMATICS WORKSHOP – ALT.

Year, 0.5 Credit, 1 Period on Alternating Days

Prerequisites: Recommendation of mathematics teacher and/or guidance counselor

Description: This workshop provides students with a supportive setting in which deficits in mathematics skills are diagnosed and addressed. There is an intensive step-by-step program to remediate, provide instructions, and develop mathematical skills. This individualized support program will support all mathematics courses.

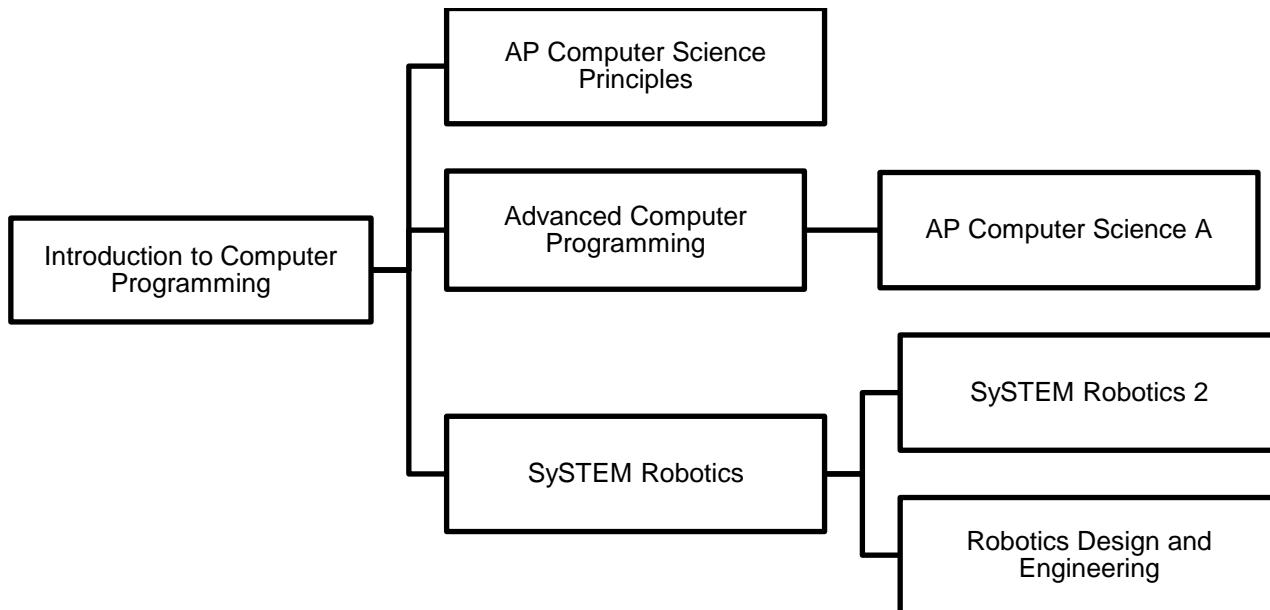
3854 ALGEBRA II WORKSHOP – ALT.

Year, 0.5 Credit, 1 Period on Alternating Days

Prerequisites: Recommendation of mathematics teacher and/or guidance counselor

Description: The Algebra II Workshop provides students with a supportive setting in which deficits in mathematics skills are diagnosed and addressed. There is an intensive step-by-step program to remediate, provide instruction, and develop mathematical skills. This individualized support program will support students retaking the Algebra II CCSS Regents examination.

TYPICAL PROGRESSION OF COMPUTER SCIENCE COURSES



Other pathways may be best for some students. Students should discuss academic plans with their teacher, guidance counselor, and coordinator.

COMPUTER SCIENCE

3684 INTRODUCTION TO COMPUTER PROGRAMMING – ALT.

Year, 0.5 Credit, 1 Period

Prerequisite: None

Recommended for: Grades 9-12

Description: This course is a beginning programming course. Students will learn the basics of building algorithms for computer programming in MIT APP Inventory. Students with no previous programming experience will learn how to design and create interactive projects.

3784 ADVANCED COMPUTER PROGRAMMING – ALT.

Year, 0.5 Credit, 1 Period

Prerequisites: Introduction to Computer Programming

Recommended for: Grades 10, 11, and 12

Description: Students will continue to learn object-oriented programming through the computer languages of JAVA and Python. JAVA is currently the teaching language of choice by colleges and the AP Science course. The application code known as “Applets” will be utilized and explored.

3070 ADVANCED PLACEMENT COMPUTER SCIENCE A

Year, 1 Credit, 1 Period

Prerequisites: Advanced Computer Programming and teacher recommendation

Recommended for: Students wishing to gain Advanced Placement credit in computer science

Expenses: Student expense of approximately \$94 for AP exam.

Description: The major emphasis will be on program methodology, data structures, and algorithms. The JAVA computer language will be used to implement computer-based solutions to particular programming-related problems. The course follows the curriculum that will prepare the student to take the Advanced Placement exam offered in May.

The link below provides a description:

<https://apcentral.collegeboard.org/courses/ap-computer-science-a?course=ap-computer-science-a>

4600 SY-STEM ROBOTICS

Year, 1 Credit, 1 Period

Prerequisites: Introduction to Computer Programming OR instructor approval

Recommended for: Sophomores, juniors, seniors who are interested in taking Robotics Design and Engineering

Description: This course provides a comprehensive approach to problem solving in real-life situations using Science, Technology, Engineering, and Math (STEM) through Robotics. This provides an opportunity for students to combine computer programming with mechanical and tangible outputs. Students will learn how to program the LEGO Mindstorm robots using RobotC and Android Studio software and explore multiple engineering disciplines using the Tetrix hardware. The class will work collaboratively while emphasizing critical thinking, team building skills and student driven instruction. Students will work hands-on in both a computer programming lab and a technology materials processing lab. They will design, construct,

program and test various robotic activities. The activities and opportunities align with preparation for multiple engineering fields and engineering career patterns.

4000 AP COMPUTER SCIENCE PRINCIPLES

Year, 1 credit, 1 Period

Prerequisites: For students in Grade 10 and above, who have some understanding of global issues, and a logical and analytical approach to problem-solving. Students should possess the necessary skills to complete projects independently and have time outside of the classroom for project completion.

Recommended for: Students who are interested in developing a range of skills such as: using computational tools to analyze and study data; working with large data sets to analyze, visualize and draw conclusions from trends; developing effective communication and collaboration skills; working individually and collaboratively to solve problems by discussing and writing about the importance of these problems and the impacts to their community, society and the world. This course can be used toward the Multiple Pathway Diploma.

Expenses: Student expense of approximately \$94.00 for the AP Exam

Description: This course is designed to be equivalent to a first- semester introductory college computing course. In contrast to the AP Computer Science A course, which focuses on the science of programming, this course focuses on applying computer science to the social sciences through STEM. APCS Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The rigorous course promotes deep learning of computational content, develops computational thinking skills and engages students in the creative aspects of the field. This STEM course highlights the relevance of computer science by emphasizing the vital impact advances in computing have on people and society. Students have the opportunity to investigate the innovations in other fields that computing has made possible and examine the ethical implications of new computing technologies. This course will culminate with an AP exam along with two projects that must be submitted to College Board in May.

The link below provides a description:

<https://apcentral.collegeboard.org/courses/ap-computer-science-principles?course=ap-computer-science-principles>

MUSIC

- 6510** Music Theory (9-12)
- 6500** A.P. Music Theory (10-12)
- 6750** Ninth Grade Band (9)
- 6780** Symphonic Band (10-12)
- 6840** Wind Ensemble (10-12)
- 6879** Ninth Grade String Orchestra (9)
- 6875** Orchestra (10-12)
- 6870** Chamber Orchestra (10-12)
- 6880** Ninth Grade Concert Choir (9)
- 6890** Chamber Singers (10-12)
- 6930** Chorale
- 6524** Commercial Music (9-12) – Alt.
- 6554** Recording for Musicians (9-12) – Alt.
- 6534** Improvising Music (9-12) – Alt.
- 6791** Independent Study – Fall
- 6792** Independent Study – Spring

**PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF
SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.**

Coordinator of Fine and Performing Arts
Michael Salzman 364-5724

MUSIC DEPARTMENT

The courses and performing groups offered by the Music Department are designed to meet the needs, interests and talents of senior high school students. They present opportunities to study music from a technical aspect and to develop self-expression and appreciation through participation in the various instrumental and choral performing groups.

If the student wishes to earn a Regents diploma with advanced designation using a five unit sequence in music, one unit must be in theory. The remaining units may be earned in any music course. Graduation honors must include one year of theory, as well as fulfillment of normal honors criteria.

A requirement of the various musical-performing groups is that students participate in the public performance and school functions in which the groups are involved. Students also participate in weekly sectional lessons.

Students who plan to specialize in music or music education as a career are urged to elect not only music theory during their high school years but also to participate in one or more of the musical performing organizations.

ALL PERFORMANCE COURSES AS WELL AS MUSIC THEORY ARE ACCEPTABLE TO FULFILL THE ONE UNIT MUSIC/ART REQUIREMENT FOR HIGH SCHOOL GRADUATION.

6510 MUSIC THEORY

Year, 1 Credit, 1 Period

Prerequisites: Students should be able to read music.

Required for: Sequence in music, Regents diploma with music major, and honors in music.

Recommended for: Grades 9 through 12; Instrumental/vocal skills are not required but are highly recommended.

Description: To develop skills in music composition, analysis, ear training and harmony. Content includes study of terminology, musical styles, prominent composers and various musical forms. Emphasis is on individual creativity from short musical compositions to scoring for ensembles. Students use the electronic music/MacIntosh computer laboratory.

6500 A.P. MUSIC THEORY

Year, 1 Credit, 1 Period

Prerequisites: Music Theory I

Recommended for: Students who are planning to study music in college.

Expenses: Student expense for AP exam is approximately \$94.

Description: This is a rigorous college level course that will prepare students for college music programs. Students will develop advanced skills in musical composition, analysis, harmonization, listening, and sight singing. All students will be expected to take the A.P. examination in May. Students who do well in this course will find that they are well prepared for college music theory programs.

6750 NINTH GRADE BAND

Year, 1 Credit, 1 Period

Prerequisites: Recommendation from middle school band director or by audition.

Recommended for: Grade 9 wind and percussion players.

Description: Provides an opportunity to perform the finest band literature available to high school students and to work in smaller ensembles weekly. Develop basic instrumental skills including tone production, instrumental technique and basic theory. Band performs at major school events, including concerts and other activities where band music is appropriate.

6780 SYMPHONIC BAND

Year, 1 Credit, 1 Period

Prerequisites: Recommendation, director's invitation, or by audition.

Recommended for: Grades 10-12.

Description: Provides an opportunity to perform the finest band literature available to high school students and to work in smaller ensembles weekly. Band performs at major school events, which includes concerts and other activities where band music is appropriate. Members participate in the Syosset High School Marching Band.

6840 WIND ENSEMBLE

Year, 1 Credit, 1 Period

Prerequisites: Audition or invitation of director.

Recommended for: Select wind and percussion players, NYSSMA Levels 5 or 6, by audition only (Grades 10-12).

Description: A select wind ensemble, one or two instruments on each part which performs wind and band literature are composed specifically for this type of instrumentation. Orchestral wind players are selected from this group and rehearse regularly with orchestra. Members participate in the Syosset High School Marching Band.

6879 NINTH GRADE STRING ORCHESTRA

Year, 1 Credit, 1 Period

Prerequisites: Recommendation from middle school orchestra director or by audition.

Recommended for: All string players (Grade 9).

Description: An opportunity is provided to perform the finest orchestral literature available to high school students and to work in smaller string ensembles weekly. Develops string tone and control and refines individual techniques.

6875 ORCHESTRA

Year, 1 Credit, 1 Period

Prerequisites: Recommendation, director's invitation or by audition.

Recommended for: All string players (Grades 10-12).

Description: An opportunity is provided to perform the finest orchestral literature and to work in smaller string ensembles weekly. Develops string tone and control and refines individual techniques.

6870 CHAMBER ORCHESTRA

Year, 1 Credit, 1 Period

Prerequisites: Audition or invitation of director.

Recommended for: Select string players, NYSSMA Levels 5 or 6 by audition only (Grades 10-12).

Description: A select string ensemble that performs the finest orchestral literature. An opportunity is provided to study advanced string ensemble literature as well as full orchestra selections.

6880 NINTH GRADE CONCERT CHOIR

Year, 1 Credit, 1 Period

Prerequisites: Recommendation from middle school choir director or by audition.

Recommended for: Grade 9 singers with treble voices.

Description: Students will sing various styles of choral music in four-part harmony. Proper vocal production and sight-reading skills are emphasized.

6890 CHAMBER SINGERS

Year, 1 Credit, 1 Period

Prerequisites: By audition only.

Recommended for: Select vocalists, NYSSMA Level 5 or 6 (Grades 10-12).

Description: A select vocal ensemble that performs both alone and as part of the Syosset High School chorale. Provides an opportunity to study a variety of quality, sophisticated and challenging choral literature.

6930 CHORALE

Year, 1 Credit, 1 Period

Prerequisites: All singers in grades 10-12, plus tenor and bass voices in grade 9.

Recommended for: Select singers by audition only (Grades 10-12)

Description: A select mixed choir that performs choral literature of many styles and develops vocal expertise in solo and ensemble singing. Performs both within and outside the school community.

6524 COMMERCIAL MUSIC - ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None.

Recommended for: Any students interested in learning about the many careers in the music industry.

Description: The music business is studied from the viewpoint of the performer, manager, agent, composer/songwriter, and recording technician. Topics will include, but not be limited to, agents, the musicians' union, contracts, songwriting, music copyright, ASCAP, BMI, recording techniques, radio-TV, film scoring, publishing, and internet.

6554 RECORDING FOR MUSICIANS - ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Grades 9-12.

Description: This course will teach students music recording from both the artistic and the technical viewpoints. It is the responsibility of the conductor of an orchestra to create a mental "recording" of a piece and then make the orchestra sound like that mental image. This is done by adjusting volume, the placement of instruments, and balance within the group. A recording engineer does much the same thing, using microphone placement, a mixing board and placement of musicians. This course will train students in: 1) basic audio and acoustic theory, 2) characteristics and placement of microphones, 3) use of recording consoles, recorders, and outboard recording equipment as they pertain to the musician, 4) concepts and techniques of music synthesis and MIDI for the recording studio, 5) practical applications of studio procedures in recording situations, and 6) all aspects of digital audio including Digital Performer and Pro Tools.

6534 IMPROVISING MUSIC – ALT.

Year, 0.5 Music Credit, 1 Period on Alternate Days

Prerequisites: Any performance medium including voice, piano, guitar, or any band or orchestra instrument. It is highly recommended that the student be able to read music.

Description: Many students can perform on instrument or voice but become immediately disabled if no music is present. This course will instruct students in improvisational techniques including basic melodic and harmonic theory and understanding of chords and progressions. Music computer workstations will be utilized.

6791 INDEPENDENT STUDY – Fall

6792 INDEPENDENT STUDY – Spring

(See course description listed under Academic Independent Studies, Pages 13-15.)

Opportunities available in advanced work in specific aspects of music. Topics could include: advance chamber music, conducting, composition, music education, or specific aspects of the music industry. In addition to filing an application with the Director of Independent Studies, the student must have the proposed work approved by the Music Department Coordinator.

OCCUPATIONAL EDUCATION

**PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF
SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.**

Counselor
Jill Goldberg 364-5686

OCCUPATIONAL EDUCATION

JOB PLACEMENT

Occupational education programs prepare high school youth for entry into the world of work and continued post-secondary education. The classes simulate industry and business settings. The teachers all have considerable experience in their trades and professions and provide instruction that includes the related theory of the occupations as well as the practical shop or laboratory work and procedures. In this way, each student is well-prepared to secure his/her first full-time position in the occupational field of choice. The instructors and placement counselors at the occupational education centers, in cooperation with the home school counselors, will help each student identify programs that match his/her interest and ability. Part-time jobs are also available during the school year and summer vacation.

CERTIFICATION

Certificates of Completion are awarded each June to students who successfully complete the program. These are useful in acquiring employment or in gaining entrance into post-secondary programs.

TRANSPORTATION

Bus transportation is available. Students are not allowed to drive cars to the occupational education centers without prior written permission of parents and the home school.

STUDENT EXPENSES

Work shoes and uniforms are required in some programs.

SCHOOL DAY

Students who attend Occupational Education programs will spend four periods at the Occupational Education Center and five periods at Syosset High School taking English, social studies, physical education, and other courses needed to complete graduation requirements.

Typical schedules are as follows:

Period 1	Period 1
2 Occupational Education	2 Classes
3	3 at
4	4 Syosset H.S.
5	5
<hr/>	
6 Classes	6
7 at	7 Occupational Education
8 Syosset H.S.	8
9	9

OCCUPATIONAL EDUCATION PROGRAMS

The following course listings are subject to change based on demand as indicated by student enrollment. Related courses offered at Syosset High School in Technology, Business, and Family and Consumer Science are an excellent introduction to many of the Occupational Education Programs. Your counselor can assist you in identifying related electives at the high school.

JOSEPH M. BARRY CAREER & TECHNICAL EDUCATION CENTER COURSE OFFERINGS

BUSINESS/INFORMATION SERVICES

Business Service Skills
Retail Skills

HEALTH SERVICES

Personal Trainer, Exercise Science and Sports Medicine
Dental Assisting
Health Skills
Medical Assisting
Nurse Assisting
Pharmacy Technician
Physical Therapy Aide

ENGINEERING TECHNOLOGIES

Advanced Manufacturing: 3D-CAD-CNC Robotics
Auto Collision Technician
Auto Skills
Automotive Technology
Aviation Operations
Carpentry
Computer Technology
Computer Network Technology
Network Cabling Technician/Home Technology Integration
Construction Electricity
Construction Trades
Construction Trades Skills
Green Technology & Alternative Energy
Plumbing
Power Sports and Small Engine Repair
Small Engine Repair Skills
Welding

HUMAN & PUBLIC SERVICES

Barbering Technician
Child Development
Cosmetology
Cosmetology Skills
Culinary Arts
Culinary Arts Skills
Police Science and Criminal Justice

NATURAL & AGRICULTURAL SCIENCES

Animal Care
Animal Care Skills
Horse Science & Management
Veterinary Science

ARTS & HUMANITIES

Audio Production
Computer Game Design and Programming Skills
Digital Design
Fashion Design Technology
Video Production and Digital Film Making

ACADEMIC COURSES

College Prep Math
English Language Arts-Regents
Health Education
Marine Science
Physical Education – Grade 12 Only
U.S. History - Regents



PHYSICAL EDUCATION

- 8384** Adapted Physical Education – Alt.
- 8324** Aerobics – Alt.
- 8044** Aquatics – Alt.
- 8054** Advanced Aquatics – Alt.
- 8120** Dance 1
- 1880** Dance 2
- 1890** Dance 3
- 1690** Dance 4
- 8064** 9TH Grade General Physical Education – Alt.
- 8074** 10TH Grade General Physical Education – Alt.
- 8284** Lifeguard Training, CPR and First Aid – Alt.
- 8174** Lifetime Sports – Alt.
- 8114** Total PE – Alt.
- 8314** Strength Training and Conditioning – Alt.
- 8344** Team Sports – Alt.

ALL STUDENTS MUST COMPLETE THEIR PHYSICAL EDUCATION REQUIREMENTS AT THE HIGH SCHOOL. OUTSIDE PARTICIPATION AND CREDITS ARE NOT ACCEPTED.

PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.

Director of Athletics, Physical Education & Recreation
Drew Cronin 364-5749

PHYSICAL EDUCATION

To meet the needs and interests of the student body, a variety of courses are offered. Classes consist of co-educational activities geared to all skill levels. All physical education courses meet on alternate days for a full year except dance classes which meet daily.

All pupils registered in the schools of New York State are required by NYS Education Law to attend classes of instruction in physical education. One course must be taken in each of the grades 9, 10, 11 and 12 to earn the two credits required for graduation. An adaptive program will be offered for students with I.E.P.'s. Failure of any course (9, 10, 11 and 12) mandates repeating Physical Education during summer school or the next school year.

All 9th and 10th grade students must enroll in General Physical Education, Dance, Aquatics or Advanced Aquatics. Each 11th and 12th grade student must choose an elective AND an alternate course in case his/her first choice cannot be scheduled. No request for change in a Physical Education course will be accepted if a student has been successfully scheduled for either his/her first choice or alternate.

Medically Excused Physical Education

An individualized program of activity and/or study will be planned for any student who is medically excused from the activities of the general or elective program.

WELLNESS

The Wellness Education Program is a portion of the General Physical Education curriculum that teaches students healthy lifestyle habits. Students learn nutrition, stress management, communication skills, coping skills and how the choices they make affect lifestyle diseases. Students will receive five weeks of instruction in the fall and five weeks in the spring dealing with the following topics:

Nutrition	Stress Management
Coping Skills	Communication Skills
Body Image	Peer Pressure Issues
HIV/AIDS	Drug & Alcohol Prevention
CPR	Cyberbullying
Relaxation Techniques	Mental Health

CPR

Junior and senior students will complete training in adult/child CPR and first aid. They may receive certification upon successful completion of this unit of study. This class will receive instruction for a period of ten (10) days, and this training will be part of their regular physical education class. Cost for certification card is \$25.00.

8384 ADAPTED PHYSICAL EDUCATION – ALT.

Year, 0.5 Credit, One Period on Alternate Days

Prerequisites: Adapted Physical Education program as per Individual Education Plan

Description: The Adapted Physical Education program gives students with Individual Education Plans the opportunity to reap the benefits of Physical Education classes and meet the New York State standards required for graduation. The curriculum will parallel the General Physical Education program with modifications where necessary to ensure the student's success.

8324 AEROBICS – ALT.

Year, 0.5 Credits, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Only grades 11 and 12

Description: Students will participate in a variety of fitness activities that will focus on developing their cardiovascular endurance and core strength. Core training strengthens stomach and lower back muscles which is critical to overall health. Activities include step aerobics, Tae Bo, cardio kick boxing, circuit training, use of cardio machines (Arc trainers, treadmills, bikes and rowing machines). Students will learn fitness principles such as target heart rate, resting heart rate, power walking and F.I.T.T. (Frequency, Intensity, Type, Time). Nutrition and proper dietary habits will be discussed.

8044 AQUATICS – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: Swim test will be given on the first days of class by PE Department

Recommended for: Grades 9-12

Students who are interested in becoming stronger swimmers and to prepare for the lifeguard training course

Description: Student will learn basic strokes including crawl, back crawl, side, breast and elementary back. Diving techniques from the deck will be taught. Other activities will include: basic water safety, water games, snorkeling, kayaking, and other fitness activities.

8054 ADVANCED AQUATICS – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: Swim test will be given on the first days of class by PE Department

Recommended for: Grades 10-12

Skilled swimmers and students who have completed the Lifeguard Training course

Description: The Advanced Aquatics class will begin with a review of the correct form for all swimming strokes in which each student will have the opportunity to evaluate his/her form. Workouts will be given to improve individual personal fitness and skill development. Basic aquatic skills, starts and turns, lifetime fitness activities, principles of aquatic training and hydrodynamics will be included in the course content. The basics of the American Red Cross Water Safety Program will also be taught in which students may have the opportunity to assist in the teaching of other students.

8120 DANCE 1

Year, 1 Period, 1 Credit (0.5 Credit for Physical Education and 0.5 credit for the Arts) This course fulfills the Arts requirement for graduation

Prerequisites: None

Recommended for: Students in grades 9-12 who are interested in dance performance

Description: This is a beginning dance course open to students in grades 9-12. Basic elements of dance are covered in this course with an emphasis on jazz and contemporary styles. Students are required to learn the basic positions of dance and incorporate these positions and techniques to combinations introduced in class. This course is required for any student interested in pursuing the dance sequence towards graduating with Theatre Arts honors. The year will culminate in the performance of a choreographed work for an invited audience as part of the Theatre Arts concert. It also fulfills the physical education requirement for the year.

1880 DANCE 2

Year, 1 Period, 1 Credit (0.5 Credit for Physical Education and 0.5 credit for the Arts)

This course fulfills the Arts requirement for graduation.

Prerequisites: Satisfactory completion of Dance 1 or instructor approval

Recommended for: Students in grades 10-12 who are interested in dance performances

Description: This full year course is a continuation of the skills that were taught in Dance 1. Students will progress from the basic positions to more challenging technical aspects of dance. Although a large focus of this class is lyrical and modern dance, students also study more difficult jazz and contemporary choreography. Students apply these techniques to more challenging choreography and are required to work together to create choreographic works of their own. The year will culminate in the performance of a choreographed work for an invited audience as part of the Theatre Arts concert. This course also fulfills the physical education requirement for the year.

1890 DANCE 3

Year, 1 Period, 1 Credit (0.5 Credit for Physical Education and 0.5 credit for the Arts) This course fulfills the Arts requirement for graduation.

Prerequisites: Satisfactory completion of Dance 1 and 2 or instructor approval

Recommended for: Students in grades 10-12 who are interested in continuing their dance performance studies

Description: This full year course is a continuation of the skills that were taught in Dance 1 and 2. Students will build on the techniques to perform more challenging technical aspects of dance. The course largely focuses on how dance relates to theatre and on how to achieve a desired effect on the audience. Lyrical and modern dances are essential elements of the course as well as more difficult jazz and contemporary choreography. Students' choreograph works throughout the year. The year culminates in the performance of a choreographed work for an invited audience as part of the Theatre Arts concert. This course also fulfills the physical education requirement for the year.

1690 DANCE 4

Year, 1 Period, 1 Credit (0.5 Credit for Physical Education and 0.5 credit for the Arts)

This course fulfills the Arts requirement for graduation.

Prerequisites: Satisfactory completion of Dance 1-3 or instructor approval

Recommended for: Students in grades 10-12 who are interested in continuing their dance performance studies. This course is required for those students wishing to receive Theatre Arts honors in dance performance.

Description: This course is a continuation of the dance sequence. It focuses on dance performance techniques with an emphasis on choreography from various genres. Activities include choreographing individual audition pieces and incorporating more sophisticated elements such as dynamics, phrasing, musicality, expression, and dance artistry. The culminating activity is the staging of an original dance piece. The year culminates in the performance of a choreographed work for an invited audience as part of the Theatre Arts Concert. This course also fulfills the physical education requirement for the year.

8064 9TH GRADE GENERAL PHYSICAL EDUCATION – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Required for: Only grade 9

Description: The General Physical Education class is a comprehensive program that will enable students to participate in a variety of activities such as team and individual sports, lifetime sports, aquatics, Project Adventure and personal fitness. Students will learn the fundamentals of each activity, offensive and defensive strategies and the benefits of personal fitness. Activities may include volleyball, basketball, new games, swimming, aerobics, yoga, Pilates, badminton, Project Adventure, tennis, and golf. Students will also participate in the Wellness Program.

8074 10TH GRADE GENERAL PHYSICAL EDUCATION – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Required for: Only grade 10

Description: The General Physical Education class is a comprehensive program that will enable students to participate in a variety of activities such as team and individual sports, lifetime sports, aquatics, Project Adventure, and personal fitness. Students will learn the fundamentals of each activity, offensive and defensive strategies, and the benefits of personal fitness. Activities may include volleyball, basketball, new games, swimming, aerobics, yoga, Pilates, badminton, Project Adventure, tennis, and golf. Students will also participate in the Wellness Program and Fitness Center.

8284 LIFEGUARD TRAINING, CPR AND FIRST AID – ALT.

Year, 0.5 Credits, 1 Period on Alternate Days

Prerequisites: Sophomores, juniors or seniors who are 15 years old, with the approval of the high school swimming teacher or successful completion of Aquatics/Advanced Aquatics course. Swim test will be given on the first days of class by PE Department.

Recommended for: Students desiring Red Cross Certification to work as a lifeguard

Expenses: Red Cross Lifeguarding, CPR and First Aid Books (Cost: \$45.00)

Description: The course consists of a full year's worth of skills that will enable the students to succeed not only as a lifeguard but also an educated rescuer for first aid and CPR. The course allows for certification in the National Red Cross Lifeguard Program and will give the student many valuable life skills. The techniques learned in this class have real-life applications and will enhance the student's opportunity to gain employment as a lifeguard.

8174 LIFETIME SPORTS – ALT.

Year, 0.5 Credits, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Only grades 11 and 12

Description: Lifetime sports are designed for students who wish to pursue physical activities they can participate in throughout their lifetime. Students will participate in individual, partner and group drills, modified games and tournament play. Activities may include bowling, golf, lawn games, orienteering, fitness walking, New Games, volleyball, Project Adventure and use of fitness center.

8114 TOTAL PE – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Only grades 11 and 12

Description: Variety is the spice of life. This physical education class combines activities from Lifetime, Aerobics, Strength and Conditioning, Team, Net, and Project Adventure. Students will enjoy units such as bowling, pickle ball, lawn games, ultimate Frisbee, volleyball, yoga, cardio kick boxing, golf, and use of the Fitness Center. Students will also complete training in CPR and first aid.

8314 STRENGTH TRAINING AND CONDITIONING – ALT.

Year, 0.5 Credits, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Only grades 11 and 12

Description: This class is designed to have students learn about and participate in every aspect of strength training. Students will learn about the benefits and effects of training. Major muscle groups of the body will be taught as well as bio-mechanical movements at specific joints. Exact techniques will be taught for free weights and all machines. Spotting techniques and safety will be paramount. Different lifting strategies such as pyramiding, super setting, etc. will be covered. Nutritional strategies, supplementation and fitness planning are all taught and implemented. Activities will include plyometrics circuit training, etc.

8344 TEAM SPORTS – ALT.

Year, 0.5 Credits, 1 Period on Alternate Days

Prerequisites: None

Teacher recommendation is required.

Recommended for: Grades 11 and 12 only. Students who are interested in competitive team sports as well as group (team) work and problem solving activities.

Description: Emphasis will be placed on skill development and team competition in flag football, soccer, volleyball, team handball, basketball, floor hockey, softball, and ultimate frisbee. Team Sports is competitive in nature and requires maximum team participation. Students will participate in a fitness unit which includes testing and use of the fitness center.

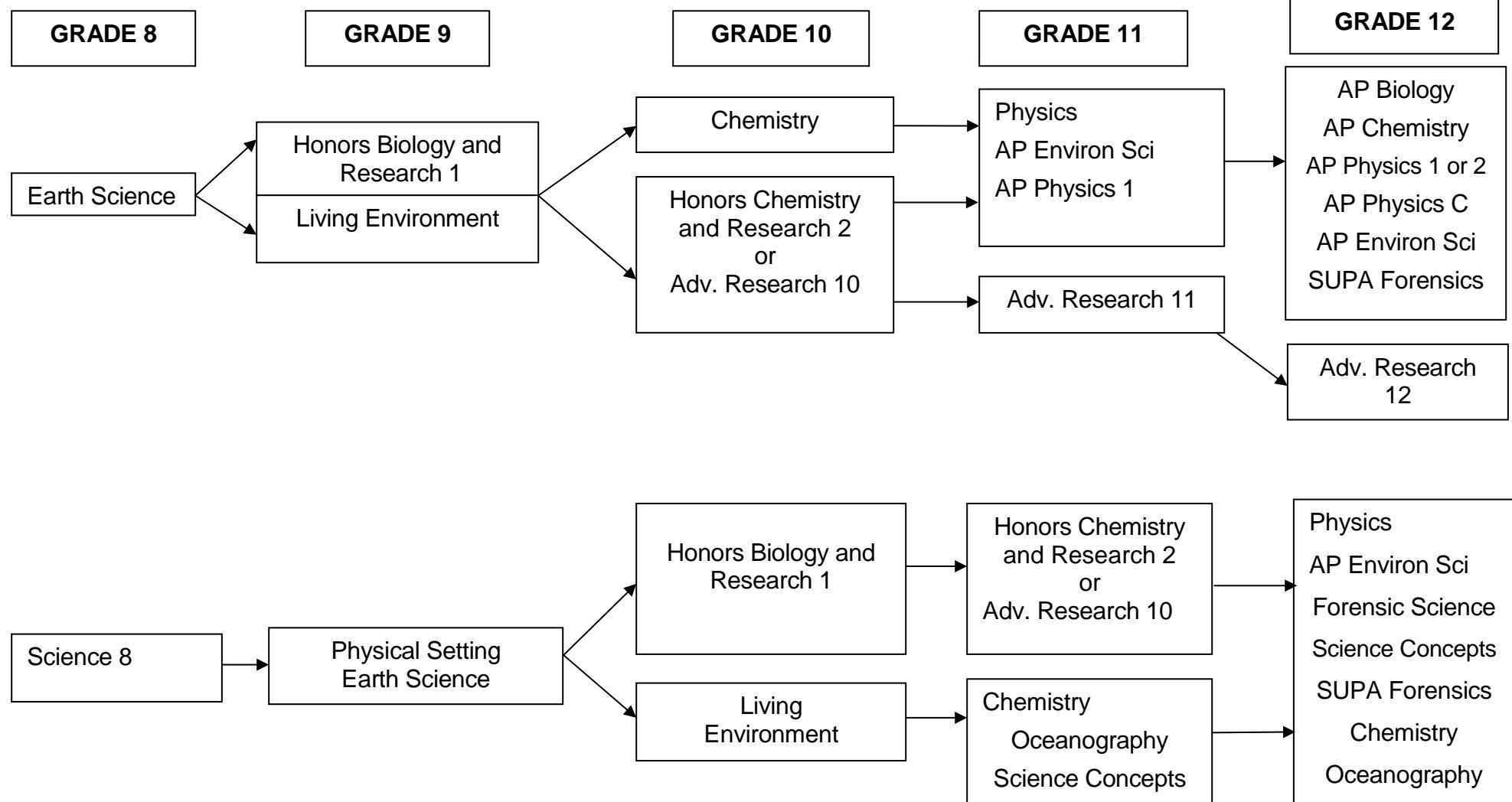
SCIENCE

- 4020** Physical Setting/Earth Science and **4024** Laboratory
4194 Physical Setting/Earth Science Workshop
4150 ELL Earth Science and **4153** ELL Laboratory
4160 ELL Living Environment and **4163** ELL Laboratory
4110 Living Environment Honors/Biology with **4614** Research 1 and **4114** Laboratory
4614 Research 1
4120 Living Environment/Biology and **4134** Laboratory
4124 Living Environment Workshop
4310 Chemistry Honors with **4624** Research 2 and **4314** Laboratory
4624 Research 2
4320 Physical Setting/Chemistry and **4354** Laboratory
4324 Chemistry Workshop
4420 Physical Setting/Physics and **4424** Laboratory
4450 Forensic Science and **4444** Laboratory
4500 Advanced Placement Environmental Science and **4504** Laboratory
4510 Advanced Placement Biology and **4514** Laboratory
4520 Advanced Placement Chemistry and **4524** Laboratory
4530 Advanced Placement Physics (C-Level) and **4534** Laboratory
4550 Advanced Placement Physics 1 and **4554** Laboratory
4560 Advanced Placement Physics 2 and **4564** Laboratory
4400 Oceanography and **4404** Laboratory
4210 Chemistry – 113 (Project Advance Forensic Science) and **4214** Laboratory
4220 Science: Concepts and Connections and **4224** Laboratory
- 9624** Advanced Research 10
9654 Advanced Research 11
9664 Advanced Social Science Research 11
9674 Advanced Mathematics/Computer Research 11
9684 Advanced Science Research 12
9694 Advanced Social Science Research 12
9774 Advanced Mathematics/Computer Research 12

**PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF
SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.**

Coordinator of Science
Raymond Loverso 364-5711

TYPICAL PROGRESSION OF SCIENCE COURSES



Other pathways may be best for some students. Students should discuss academic plans with their teacher, guidance counselor, and department coordinator.

SCIENCE DEPARTMENT

The Science Department offers courses to meet the needs of students at all levels. In every course, students are encouraged to think for themselves and apply scientific methods to the solution of problems. Learning is accomplished through the use of a wide variety of laboratory and classroom experiences. The courses offered in the department are designed to provide students with an appreciation for Science in the real world.

FOR ALL COURSES CULMINATING IN A REGENTS EXAMINATION, SATISFACTORY LABORATORY REPORTS FOR 1200 MINUTES OF LABORATORY EXPERIENCE IS REQUIRED (1) FOR ENTRANCE INTO THE REGENTS EXAMINATION, (2) TO PASS THE COURSE, AND/OR (3) TO RETAKE THE COURSE IN SUMMER SCHOOL. In addition, laboratory reports must be completed and submitted within the time period determined by the subject teacher but in no case more than 15 school days after the completion of the laboratory work. A minimum of 70% of the labs must be completed each marking period to receive a passing grade for the marking period.

*Advanced Research in the sciences is available through the Advanced Research Program. See pages 19-23.

4020 PHYSICAL SETTING/EARTH SCIENCE AND 4024 LABORATORY

Year, 1 Credit, Alternating Single and Double Periods (Some students may be assigned Earth Science Workshop with this course.)

Prerequisites: None - entry level science

Expenses: Possible field trip

Description: This is a N.Y.S. Regents course. Students explore the physical laws of nature by studying the Earth and its place in the Universe. Topics include geology, meteorology, and astronomy. Laboratory work and research skills are part of this course.

4194 PHYSICAL SETTING/EARTH SCIENCE WORKSHOP

Year, 1/2 Credit, 1 Period on Alternate Days

Co-requisites: Earth Science

Recommended for: Students who require support in Regents Earth Science

Description: An individualized support program that will study Earth Science and focus on organizational skills

4150 PHYSICAL SETTING/EARTH SCIENCE

AND 4153 LABORATORY FOR THE ELL STUDENT:

Year, 1 Credit, 1 Period on Alternate Days

Prerequisites: Presently in English as a Second Language Program

Description: This course is designed to help and assist students learning language through the content area of Earth Science. This course fulfills the New York State Earth Science Regents curriculum. This course is taken to help ensure success in their class, as well as help students understand difficult concepts and vocabulary. In this class we implement ESL strategies to make learning fun and comprehensible.

4160 LIVING ENVIRONMENT/BIOLOGY**AND 4163 LABORATORY FOR THE ELL STUDENT:**

Year, 1 Credit, 1 Period on Alternate Days

Prerequisites: Presently in English as a Second Language Program

Description: This course is designed to help and assist students learning language through the content area of the Living Environment. This course fulfills the New York State Living Environment Regents Curriculum. This course is taken to help ensure success in their class, as well as help students understand difficult concepts and vocabulary. In this class we implement ESL strategies to make learning fun and comprehensible.

4110 LIVING ENVIRONMENT HONORS/BIOLOGY AND 4614 RESEARCH 1**AND 4114 LABORATORY (N.Y.S. Regents)**

Year, 2 Periods, 1 Credit for Biology Honors, 1/2 Credit for Science Research 1

Prerequisites: Recommendation of 8th grade Regents Earth Science and Math teacher and an A in the Earth Science course and Regents exam.

Recommended for: Students who have earned an A in the Earth Science course and Regents exam. This course is also recommended for students who wish to pursue science research.

Description: This is an enriched curriculum in Biology which expands upon the NYS Living Environment curriculum by including additional topics. Science Research 1 is a co-requisite for this course. Students will be introduced to technical writing, library resources, and laboratory procedures that are applicable to the course. Course content is designed to prepare the student for the NYS Biology Regents exam as well as the Biology SAT subject test. Science Research 1 is a co-requisite with this course.

SAT SUBJECT TEST AVAILABLE: BIOLOGY**4614 RESEARCH 1**

Year, 0.5 Credit, Alternating Periods Attached to Honors Biology

Co-Requisite: 4110 Living Environment Honors Biology

Description: Research 1 is a course of study that provides students with skills needed to conduct an independent research investigation. Students meet with a science teacher throughout the year every 4th day (alternate research classes) and will then meet on the alternate 4th day with a technology teacher for half the year and a social science teacher for the other half. The science component will introduce students to a variety of areas including microbiology, biostatistics, technical writing, use of information systems, applications of technological design, and the collection and analysis of data. The technology component will have students fabricate an electronic device, perform an investigation, and conduct an analysis of their data. The behavioral and social sciences component will introduce students to topics in human behavior, social and community relationships, psychology, sociology, anthropology, archaeology, ethology, ethnology, linguistics, learning, perception, urban problems, public opinion surveys, educational testing, and clinical and developmental psychology.

4120 LIVING ENVIRONMENT/BIOLOGY AND 4134 LABORATORY (N.Y.S. Regents)

Year, 1 Credit, Alternating Single and Double Periods (Some students may be assigned Living Environment/Biology Workshop with this course.)

Prerequisites: Successful completion of Earth Science with a passing grade in the course or unless authorized by the Coordinator of Science.

Expenses: Possible field trip

Description: Living Environment is a N.Y.S. Regents course. It provides students with a modern, comprehensive background in Biology. The required alternate-day laboratory periods enhance the curriculum with hands-on applications. The Regents exam is the final exam for this course.

4124 LIVING ENVIRONMENT WORKSHOP

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: Concurrent enrollment in Biology

Recommended for: Students who anticipate the need for help in Biology

Description: This course is an individualized support program that helps students understand biological concepts, organize course work, and complete lab reports.

4310 CHEMISTRY HONORS WITH 4624 RESEARCH 2 AND 4314 LABORATORY

(N.Y.S. Regents)

Year, 2 Periods, 1 Credit for Chemistry Honors, $\frac{1}{2}$ credit for either Science Research 2 or Advanced Research 10

Prerequisites: Living Environment Honors student in 9th grade with a minimum grade of B+ and a recommendation from their Science teacher. Geometry 10 with a minimum grade of B+ or Geometry Honors with a minimum grade of B. Concurrent enrollment in Algebra 2 is highly recommended.

Required for: AP Courses and SAT Subject Test in Chemistry

Expenses: Scientific calculator

Description: Chemistry Honors involves the study of interactions between matter and energy at the molecular level. Applications of chemical principles are illustrated and stressed through demonstrations and laboratory activities. Course content is designed to prepare the student for the NYS Chemistry Regents exam as well as the Chemistry SAT Subject Test. Science Research 2 or Advanced Research 10 (based on acceptance) is a co-requisite with this course.

SAT SUBJECT TEST AVAILABLE: CHEMISTRY

4624 RESEARCH 2 (Prerequisite Research 1 with a grade of B+ or better)

Year, 0.5 Credit, Alternating Periods attached to Honors Chemistry

Description: Research 2 is a course that is driven by science inquiry. Students will work in groups on four projects per year. A Business Education teacher will provide a computer component to the instruction that will assist students in preparing the presentations of their research projects. Students will work with computer programs such as Excel, Access, PowerPoint, PhotoShop, and Astound. They will enhance their skills with these tools through problem solving. A research report will accompany all work.

4320 PHYSICAL SETTING/CHEMISTRY AND 4354 LABORATORY (N.Y.S. Regents)

Year, 1 Credit, Alternating Single and Double Periods

Prerequisites: Recommended minimum grade of B in the Living Environment course and a recommended minimum grade of B in the Geometry course.

Expenses: Scientific calculator

Recommended for: Students interested in pursuing the study of Science

Description: This course studies of the inter-relationship of matter and energy and how this can be applied to the physical world. Laboratory exercises are utilized to demonstrate many of these physical principles. This modern view of chemistry follows the N.Y.S. Regents course of study. Laboratory work is a required part of the course.

SAT SUBJECT TEST AVAILABLE: CHEMISTRY

4324 CHEMISTRY WORKSHOP

Year, 1 Period on Alternate Days

Co-requisite: Concurrent enrollment in Chemistry

Recommended for: Students who need additional support in Regents Chemistry

Description: This course is an individualized support program that will study Chemistry with a focus on organizational of skills.

4420 PHYSICAL SETTING/PHYSICS AND 4424 LABORATORY (N.Y.S. Regents)

Year, 1 Credit, Alternating Single and Double Periods

Prerequisites: Satisfactory completion of Chemistry and Algebra 2 or approval of the Coordinator of Science.

Expenses: Scientific calculator

Description: This course studies the physical principles of force, motion, time, space, matter, and energy. Physics is directed toward the student who wishes to broaden the base of his/her knowledge of the physical world. This standard N.Y.S. Regents course is designed as part of a complete high school program and serves as an introduction to the study of Physics in college. The Regents exam and laboratory work are required components of the course.

SAT SUBJECT TEST AVAILABLE: PHYSICS

4450 FORENSIC SCIENCE AND 4444 LABORATORY

Year, 1 Credit, Alternating Single & Double Periods

Prerequisites: Biology (Chemistry recommended)

Recommended for: Grade 12 only or recommendation from the Administrative Assistant for Science.

Description: This course provides students with the scientific principles, techniques and skills used in a modern crime laboratory. The course focuses on those areas of Biology and Chemistry relating to the analysis of physical evidence and the interpretation of its significance to forensic scientists. The nature of the physical evidence is emphasized along with practices relating to the proper collection and preservation of evidence.

4500 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE AND 4504 LABORATORY

Year, 1 Credit, Alternating Single and Double periods

Prerequisites: Chemistry, Earth Science and Living Environment

Recommended for: Students with a minimum grade of B in Chemistry and a B in Living Environment. 80 or higher on the Living Environment Regents with a passing grade on the Chemistry Regents.

Expenses: Field trips and student expense of approximately \$94 for AP exam

Description: A college level course designed to provide students with the scientific principles required to understand interrelationships of the natural world and analyze environmental problems. This course provides an in depth study of the interactions between the living and non-living components of the ecosystem. An introduction to ecological community concepts and the influence of chemical, geological, atmospheric and physical factors on living systems will be considered. The course provides a study of the effect of human activities on the worldwide ecosystem and provides an examination of the issues of human over-population, atmospheric change, chemical pollution and agriculture.

The link below provides a description: [AP Environmental Science](#)

4510 ADVANCED PLACEMENT BIOLOGY AND 4514 LABORATORY

Year, 1 Credit, Alternating Single and Double Periods

Prerequisites: Regents Living Environment, Regents Chemistry, and Regents Physics or AP Environmental Science. Approval from the Coordinator of Science is required for students who wish to take the course concurrently with Physics.

Recommended for: Students with an A in Living Environment and Chemistry courses and their Regents Exams. A B+ in Regents Physics is also recommended.

Expenses: Student expense of approximately \$94 for AP exam plus trip to Cold Spring Harbor Laboratory

Description: A college level course designed for students who want to obtain one year of college credit in Biology by taking the Advanced Placement examination or other college placement tests. This course is designed to establish a broad base and detailed understanding of such biological fundamentals as the origin and properties of life, the structure and function of plants and animals along with the ecological relation to each other, the energy relations of organisms, integrative and coordination mechanisms, heredity and genetics, reproduction, development and growth, and the evidence for the theories of organic evolution.

The link below provides a description: [AP Biology](#)

4520 ADVANCED PLACEMENT CHEMISTRY AND 4524 LABORATORY

Year, 1 Credit, Alternating Single and Double Periods

Prerequisites: Regents Chemistry and Regents Physics and completion of Algebra 2

Expenses: Calculator and student expense of approximately \$94 for AP exam

Description: A college level course designed for students who want to obtain one year of college credit in chemistry by taking the Advanced Placement examination or other college placement tests. This course provides insight into modern chemical theory. Extensive qualitative and quantitative laboratory work prepares the student for a college laboratory program.

The link below provides a description: [AP Chemistry](#)

4530 ADVANCED PLACEMENT PHYSICS (C-LEVEL) AND 4534 LABORATORY

Year, 1 Credit, Alternating Single and Double Periods

Prerequisites: Recommended minimum grade of A in Physics Regents or a B+ in A.P. Physics 1 and concurrent enrollment in Calculus

Expenses: Calculator and student expense of approximately \$94 for each of the two-part AP exam.

Description: This is a college level course that will go beyond the preparation for the Advanced Placement exam. Topics include such abstract concepts as rotation, angular momentum and inductance. Students interested in college studies in physics, mathematics or engineering should find this course particularly suitable.

The link below provides a description: AP Physics (C-Level) [Mechanics & Electricity and Magnetism](#)

ADVANCED RESEARCH 11 AND ADVANCED RESEARCH 12 IN THE SCIENCES ARE AVAILABLE THROUGH THE ADVANCED RESEARCH PROGRAM.

4550 ADVANCED PLACEMENT PHYSICS 1 AND 4554 LABORATORY

Year, 1 Credit, Alternating Single and Double Periods

Prerequisites: Regents Chemistry

Recommended for: Students with a B+ in Chemistry Honors or an A in Chemistry. Students should have completed Algebra 2/Trigonometry Honors or be concurrently enrolled in Math Theory Honors, College Precalculus or Precalculus. Students who have completed Regents Physics may also take this course.

Expenses: Student expense of approximately \$94 for AP exam. A graphing calculator is recommended.

Description: This is a college level course designed for students who want to obtain up to one semester of college credits in Physics. This course includes topics in both classical and modern Physics. A working knowledge of Algebra and basic Trigonometry is required. Calculus is not used. This course provides an introduction to some of the main principles of Physics and emphasizes the development of problem solving skills. Students taking this course are required to take the N.Y.S. Regents exam.

The link below provides a description: [AP Physics 1](#)

4560 ADVANCED PLACEMENT PHYSICS 2 AND 4564 LABORATORY

Year, 1 Credit, Alternating Single and Double Periods

Prerequisites: A minimum grade of B in Advanced Placement Physics1 or B+ in Regents Physics.

Recommended for: Students who have completed Algebra 2/Trigonometry Honors and are concurrently enrolled in Math Theory Honors, College Precalculus or Precalculus.

Expenses: Student expense of approximately \$94 for AP exam. A graphing calculator is recommended.

Description: This is a college level course designed for students who want to obtain up to one semester of college credits in Physics and have already taken AP Physics 1 or Regents Physics. This course includes topics in thermodynamics, fluids and electricity and magnetism. A working knowledge of algebra and basic trigonometry is required. This course introduces some of the main principals of Physics, builds on the knowledge and skills developed in AP Physics 1/Regents Physics, and continues to emphasize the development of problem solving skills.

SAT SUBJECT TEST AVAILABLE: PHYSICS

4400 OCEANOGRAPHY AND 4404 LABORATORY

Year, 1 Credit, Alternating Single and Double Periods

Prerequisites: Earth Science and Living Environment

Recommended for: 11th and 12th grades or recommendation from the Coordinator of Science.

Expenses: Field trips

Description: The Oceanography course will provide students with an opportunity to study topics such as oceanography, marine biology, evolution, human impact on the oceans, study of historical vessels, and the technology that is currently in use in the study of the ocean floor and marine life. This course will enable students to correlate Math, Science and Technology standards through hands-on course work and laboratory exercises. Marine dissections are also part of course work.

**4210 CHEMISTRY-113 (PROJECT ADVANCE FORENSIC SCIENCE) AND 4214
LABORATORY**

Year, 1 Credit, Alternating Single and Double Periods

Prerequisites: Regents Living Environment

Recommended for: 11th and 12th grade students with a B or better in both Regents Living Environment and the Regents exam. Regents Chemistry is also recommended.

Expenses: Students can earn 4 college credits for an approximate fee of \$112.00 per credit. The fee will be announced prior to registration.

Description: Chemistry 113 Forensic Science focuses on the application of scientific methods and techniques to crime and law. Recent advances in scientific methods and principles have had an enormous impact upon law enforcement and the entire criminal justice system. Scientific methods specifically relevant to crime detection and analysis will be presented with emphasis placed upon the techniques used in evaluating physical evidence. Topics included are blood analysis, organic and inorganic evidence analysis, microscopic investigations, hair analysis, DNA, drug chemistry and toxicology, fiber comparisons, paints, glass compositions and fragmentation, fingerprints, soil comparisons, and arson investigations, among others. Laboratory exercises will include techniques commonly employed in forensic investigations.

4220 SCIENCE: CONCEPTS AND CONNECTIONS AND 4224 LABORATORY

Year, 1 Credit, Alternating Single and Double Periods

Prerequisites: Regents Earth Science and Regents Living Environment

Recommended for: 11th and 12th grades

Expenses: Field trips

Description: Science Concepts and Connections is a Science elective with hands on and minds on content integrating Earth Science, Biology, Chemistry, and Physics. Students actively collaborate with one another during problem-solving activities. Cross-cutting of the sciences allows them to have exposure to the multiple ways in which the sciences are connected. Students are assessed through laboratory exercises, projects, and exams that cover concepts discussed in each of the four scientific areas of study.

ANIMAL DISSECTION POLICY

The Board of Education of the Syosset CSD acknowledges the importance of the study of animals as part of the curriculum in certain life sciences courses. Practical experience with structure and function in animals is an essential component of these studies. The primary goals for the instructional process involving animals are to achieve an understanding of the life processes, to demonstrate biological principles, and to teach the proper care and handling of animals. Instructional activities involving the investigation and/or dissection of animals will be adequately supervised and conducted with respect for life and a commitment to the safety of the students performing the investigations and dissections.

The Board further recognizes that some students may have a moral or religious objection to the performance or witnessing of the dissection of an animal. Students shall have the right to opt-out of performance or witnessing of dissection activities, provided that the student performs an alternative project that is approved by the student's teacher. The student's moral or religious objection must be substantiated in writing by the student's parent or guardian. Students who perform alternative approved projects and do not perform or witness the dissection of animals shall not be penalized.

At the commencement of the school year, parents and teachers will be advised of this policy through dissemination in the high school curriculum manual. Teachers of courses that include animal dissection shall provide additional notice to the students in those classes of their opt-out rights and responsibilities under the law and this policy. Such notice shall also be available upon request in the school office.

Adopted 3/7/11

SOCIAL STUDIES

- 2110** A.P. World History I
- 2120** Global History and Geography 9 Enriched
- 2174** Global History and Geography 9 Workshop - Alt.
- 2130** A.P. World History
- 2200** A.P. European History
- 2210** A.P. World History II
- 2220** Global History and Geography 10R
- 2274** Global History and Geography 10 Workshop - Alt.
- 2780** A.P. Human Geography
- 2150** Global History 1 for ELL
- 2160** Global History 2 for ELL
- 2300** A.P. U.S. History & Government
- 2310** Project Advance United States History 101-102
- 2320** U.S. History & Government 11R
- 2374** U.S. History & Government 11 Workshop - Alt.
- 2170** U.S. History and Government 11 for ELL
- 2421** Women's Studies
- 2481** and **2482** Economics
- 2734** A.P. Macro-economics - Alt.
- 2744** A.P. Micro-economics - Alt.
- 2472** Public Issues in Criminal Justice
- 2631** and **2632** Project Advance Sociology
- 2704** A.P. U.S. Government & Politics - Alt.
- 2492** Constitutional Law - Spring
- 2501** Government & Society in the 60's and 70's - Fall
- 2442** Economics of Inequality - Spring
- 2641** Contemporary Asian Experience - Fall
- 2784** A.P. Comparative Government and Politics - Alt.
- 2531** and **2532** Project Advance Economics

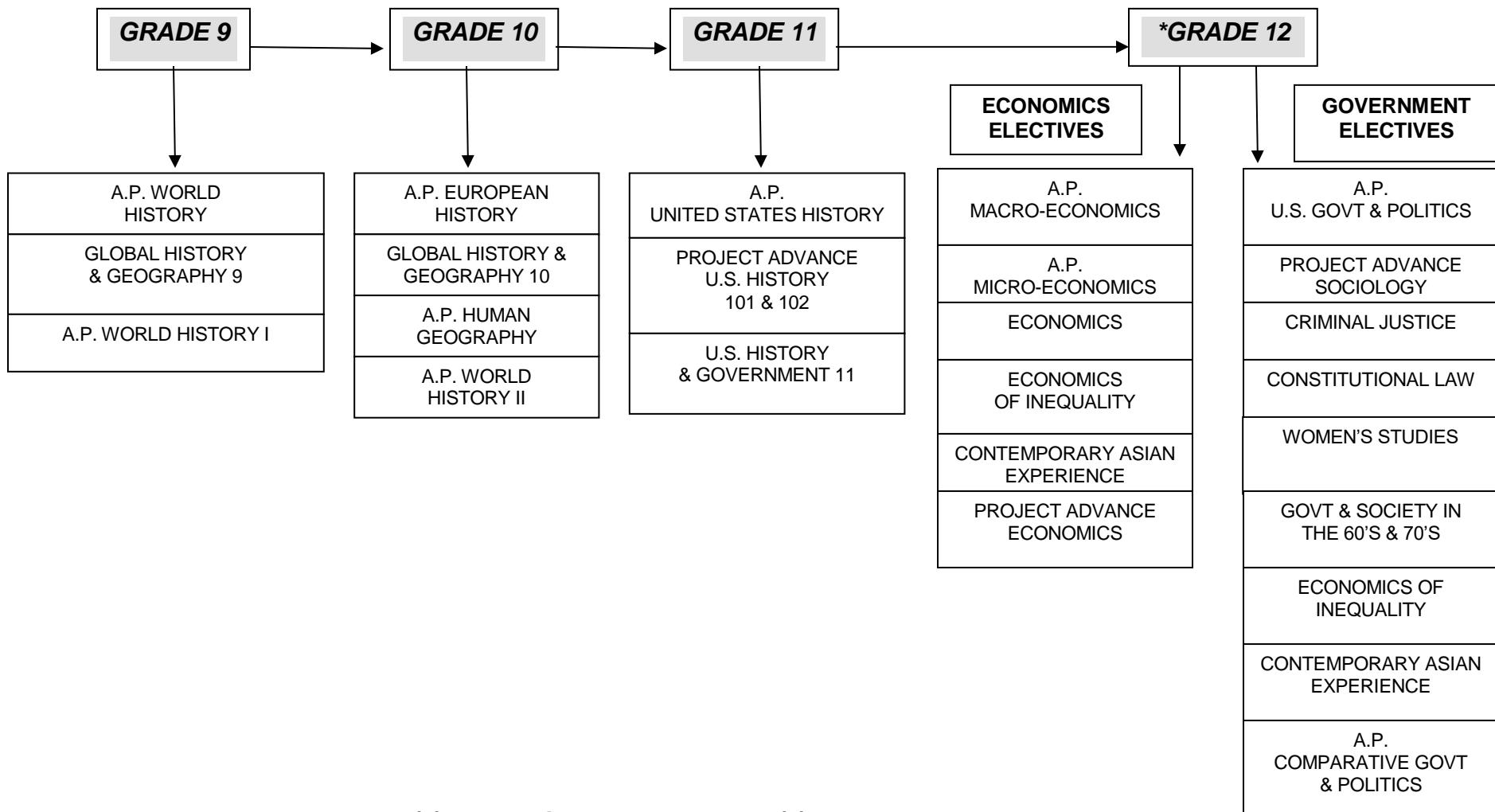
See Advanced Research Program, Pages 19 - 23.

**PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF
SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.**

Administrative Assistant

Thomas Fusco 364-5714

TYPICAL PROGRESSION OF SOCIAL STUDIES COURSES



***Grade 12 students must take one (1) economics course and one (1) government course.**

Other pathways may be best for some students. Students should discuss academic plans with their teacher, guidance counselor, and coordinator.

SENIOR YEAR SOCIAL STUDIES REQUIREMENTS

In order to meet New York State graduation requirements, all seniors must take one-half credit of economics and one-half credit in another government related course.

ECONOMIC COURSES				GOVERNMENT RELATED COURSES			
Course No.	Course Title	Meeting Time	Credit	Course No.	Course Title	Meeting Time	Credit
2744	A.P. Micro-economics	R/W Alt. Days All Year	0.5	2704	A.P. U.S. Government & Politics	R/W Alt. Days All Year	0.5
2734	A.P. Macro-economics	R/W Alt. Days All Year	0.5	2631 & 2632	Project Adv. Sociology	Fall or Spring	0.5
2481 & 2482	Economics	Fall or Spring	0.5	2472	Public Issues in Criminal Justice	Spring	0.5
2641	Contemporary Asian Experience	Fall	0.5	2492	Constitutional Law	Spring	0.5
2442	Economics of Inequality	Spring	0.5	2421	Women's Studies	Fall	0.5
2531 & 2532	Project Adv. Economics	Fall or Spring	0.5	2501	Government & Society in 60's & 70's	Fall	0.5
				2442	Economics of Inequality	Spring	0.5
				2641	Contemporary Asian Experience	Fall	0.5
				2784	A.P. Comparative Government & Policies	R/W Alt. Days All Year	0.5

SOCIAL STUDIES DEPARTMENT

All students in Syosset High School are required to successfully complete four years of social studies for graduation - one in each grade, 9 through 12. In grades 9, 10, and 11 alternate paths are provided via Regents level and A.P. groupings. Placement is reviewed periodically, and students are reassigned when appropriate. All students must pass the New York State Regents examination on completion of their sophomore and junior year programs.

SENIOR REQUIREMENTS: In the senior year all students must take and successfully complete one-half credit of economics and one-half credit of a social studies elective. All senior electives meet the state Participation in Government and Economics requirement.

*Research in social sciences is available through the Advanced Research Program.
See pages 19 - 23.

The goals of the Social Studies Department are:

1. To stimulate critical thinking
2. To develop an awareness of the unity between the individual family, nation, and world
3. To encourage active participation in the responsibilities of citizenship
4. To develop an understanding of the pertinent events in human history and their impact on the individual
5. To acquire special social studies skills and reinforce those basic skills needed in learning
6. To acquire a respect for the contributions that can be made by all in a democratic society
7. To develop a broad appreciation and respect for other peoples' cultures
8. To provide the broadest possible spectrum of educational experiences to meet the individual needs and interests of the student body
9. To stimulate an awareness of the relationship among the various disciplines
10. To inculcate those transcendent values which have played a key role in the development of human civilization
11. To understand and appreciate fundamental concepts of liberty, freedom, and justice within constitutional language of the U.S. Constitution and Declaration of Independence

SOCIAL STUDIES COURSES
GRADES 9, 10, 11

2110 A. P. WORLD HISTORY I

Year, 1 Credit, 1 Period

Prerequisites: Successful completion and high achievement in grade 8 social studies with recommendation of teacher

This course meets the 9TH grade requirement for graduation.

Description: This course offers a *two year sequence* for course 2130. The first half (9TH grade) will focus on the Foundations Period (8000 B.C.E. to 600 C.E.) and the Post Classical Period (600 C.E. to 1450). The second half (10TH grade) will focus on the Age of Exploration (1450-1750), the Age of Revolution (1750-1914), and the Modern Era (1914 to present).

2120 GLOBAL HISTORY AND GEOGRAPHY 9 ENRICHED

(2 year NYS Regents at end of grade 10)

Year, 1 Credit, 1 Period

Prerequisite: Successful completion of 8TH grade social studies

This course meets the 9th grade requirement for graduation.

Description: Focuses on a chronological approach to World History from the dawn of civilization to the French Revolution (1789). Political, economic, religious, social, and intellectual developments will be studied in each period.

2174 GLOBAL HISTORY AND GEOGRAPHY 9 WORKSHOP – ALT.

Year, 0.5 Credit, Alternate Day

Prerequisite: Successful completion of 8TH grade social studies

Description: The Global History and Geography 9 workshop is designed to help students find greater success with the scope and sequence of Global History and Geography curriculum by pre-teaching and reinforcing themes covering the chronology of events from the dawn of civilization to the French Revolution (1789).

2130 A. P. WORLD HISTORY

Year, 1 credit, 1 Period

Prerequisites: Successful completion and high achievement in 8TH grade social studies with recommendation of teacher

This course meets the 9TH grade requirement for graduation.

Expenses: Student expense for A.P. exam is approximately \$94

Description: This AP level course offered by the College Board centers on overarching themes that define the global human experience and serve to connect five unifying historical threads (Foundations, 8000 B.C.E.-600 C.E., 600 C.E.-1450 C.E., 1450-1750, 1750-1914, 1914 to present). The course will devote considerable focus on critical evaluation of primary and secondary sources, oral presentations, simulations, and the development and interpretation of document based questions as they relate to world history. Connections between regions and throughout history are stressed to enhance students' understanding of the factors that shape our world history.

All students will be expected to take the A.P. Examination in May.

SAT SUBJECT TEST AVAILABLE: WORLD HISTORY

2200 A. P. EUROPEAN HISTORY

Year, 1 Credit, 1 Period

Prerequisites: Successful completion of 9th grade social studies and recommendation of teacher
This course meets the 10TH grade requirement for graduation.

Recommended for: Exceptional students in social studies

Expenses: Student expense for AP exam is approximately \$94.

Description: A survey course that traces the path of western civilization to the present. Political, economic and social development will be investigated. Program culminates in a New York State Regents examination required for graduation. Extensive reading in the content area is required including supplemental novels.

All students will be expected to take the A.P. Examination in May.

SAT SUBJECT TEST AVAILABLE: WORLD HISTORY

2210 A.P. WORLD HISTORY II

(N.Y.S. Regents)

Year, 1 Credit, 1 Period

Prerequisites: Successful completion and high achievement in A.P. World History I
This course meets the 10TH grade requirement for graduation.

Expenses: Student expense for the A.P. exam is approximately \$94.

Description: This course is the continuation of the A.P. World History I, 2110 course. The curriculum begins with the Age of Revolution (1750-1914) and the Modern Era (1914-Present).

All students will be expected to take the A.P. examination in May.

SAT SUBJECT TEST AVAILABLE: WORLD HISTORY

2220 GLOBAL HISTORY AND GEOGRAPHY 10R

(N.Y.S. Regents)

Year, 1 Credit, 1 Period

Prerequisite: Successful completion of 9TH grade social studies

This course meets the 10th grade requirement for graduation.

Description: Focuses on a chronological approach to World History from the Age of Revolutions (circa 1750) to the present time. Political economic and social developments will be investigated in each era. Program culminates in a N.Y. State Regents examination required for graduation.

2274 GLOBAL HISTORY AND GEOGRAPHY 10 WORKSHOP – ALT.

Year, 0.5 Credit, Alternate Day

Prerequisite: Successful completion of 9TH grade social studies

Description: The Global History and Geography 10 workshop is designed to help students find greater success with the scope and sequence of Global History and Geography curriculum by pre-teaching and reinforcing themes covering the chronology of events from the French Revolution (1789) to the present time.

2780 A.P. HUMAN GEOGRAPHY

Year, 1 Credit, 1 Period

Prerequisite: Successful completion of 9TH grade social studies

This course meets the 10th grade requirement for graduation.

Recommended for: Exceptional students in Social Studies

Expenses: Student expense for AP exam is approximately \$94.

Description: This AP level course offered by the College Board focuses on seven global themes: geography, population, cultural patterns and processes, political organization of space, agriculture, and rural land use, industrialization and economic development, cities and urban land use. The course culminates in a New York State Regents examination required for graduation.

All students will be expected to take the A.P. examination in May.

2150 GLOBAL HISTORY 1 FOR ELL

(N.Y.S. Regents)

Year, 1 Credit, 1 Period

This course is for students who are new to this nation and have English as a second language.

This course meets the NYS Regents requirement for graduation.

Description: Focuses on a chronological approach to World History to the French Revolution (1789). Political, economic, religious, social, and intellectual developments in the Asian, Latin American, European, African, Middle Eastern societies will anchor this course. This course follows the NYS standards for Global Studies.

2160 GLOBAL HISTORY 2 FOR ELL

(N.Y.S. Regents)

Year, 1 Credit, 1 Period

Required for: Students who are new to this nation and have English as a second language

Description: Focuses on a chronological approach to World History from the French Revolution (1789) to today. Political, economic, religious, social, and intellectual developments will be studied. This course follows the NYS standard for global studies.

2300 A.P. U.S. HISTORY & GOVERNMENT

Year, 1 Credit, 1 Period

Prerequisites: Successful completion of 10TH grade social studies and recommendation of teacher
This course meets the 11TH grade requirement for graduation.

Recommended for: Exceptional students in social studies

Expenses: Student expense for AP exam is approximately \$94.

Description: Prepares students for both the N.Y. State Regents exam in U.S. History & Government and the Advanced Placement examination given in May of the school year will be expected. In order to qualify for the program, the student should have a great interest in American History and be prepared for required extensive reading in the content area including supplemental historical books.

All students will be expected to take the A.P. Examination in May.

SAT SUBJECT TEST AVAILABLE: AMERICAN HISTORY

2310 PROJECT ADVANCE UNITED STATES HISTORY 101-102

(Syracuse University Project Advance)

Year, 1.0 Credit, 1 Period

This course meets the 11TH grade requirement for graduation.

Expenses: Students can earn a maximum of six college credits for a fee of \$115 per credit.

Description: This is an introductory United States History course covering the period 1607 to present. Students will explore how Europeans from a medieval culture became American; how the American Revolution influenced the social, political and economic life of America; and how American modernization affected sectional crisis. Each of these broad historical threads will stress in a conceptual way political democracy, social justice, and equality. Themes include: the impact of

slavery upon African-Americans, the South, and the nation as a whole; the effects of immigration, ethnicity and religious diversity; the rise of modern culture, technology, consumerism and communications; U.S. expansionism and growing involvement in world affairs, struggles for equal rights and justice; protest movements and resistance to change; the upheavals of the 1960s and impact of Vietnam and Watergate; the Reagan Revolution; end of the Cold War; and the beginnings of the third American Century.

Syracuse University credits are transferable to other universities. This course is designed for the students who seek the challenges and experiences of an introductory college level American History course.

2320 U.S. HISTORY & GOVERNMENT 11R

Year, 1.0 Credit, 1 Period

This course meets the 11TH grade requirement for graduation.

Description: This course provides a cursory overview of American History to 1877 (end of Reconstruction) and an in-depth study of American History from 1877 to the present. In addition, the course examines our nation's constitutional foundations and its theory of government. Successful completion requires passing a State Regent examination in U.S. History & Government.

2374 U.S. HISTORY AND GOVERNMENT 11 WORKSHOP – ALT.

Year, 0.5 Credit, Alternate Day

Prerequisite: Successful completion of 10TH grade social studies

Description: The U.S. History and Government workshop is designed to help students find greater success with the scope and sequence of U.S. History and Government curriculum by pre-teaching and reinforcing themes connected to the American History course. This includes a cursory overview of U.S. History to 1877 and an in-depth study of American History from 1877 to present.

2170 U.S. HISTORY & GOVERNMENT 11 FOR ELL

Year, 1 Credit, 1 Period

Required for: Students who are new to this nation and have English as a second language

Description: The instructor will prepare the students for successful completion on the U.S. History Regents examination in June. This course provides a cursory overview of American History to 1877 (end of Reconstruction) and an in-depth study of American History from 1877 to the present. In addition, the course examines our nation's constitutional foundations and its theory of government. Successful completion requires passing a State Regent examination in U.S. History & Government. The teaching of skills and concepts will serve as a vehicle to accomplish this end, as well as an improvement in English language literacy.

SOCIAL STUDIES SENIOR COURSES

2421 WOMEN'S STUDIES

Fall, (Fall, Spring) 0.5 Credit, 1 Period

Prerequisite: None

This course meets the senior year government requirement for graduation.

Recommended for: Grade 12

Description: This course explores topical issues of race, gender, and class in contemporary societies. Students will learn to identify and analyze gender-based assumptions and biases and to recognize their consequences on individual, social, and cultural levels. The pedagogy used in the Women's Studies course will empower female and male students to become active learners and social-change agents through discussion, written work, collaborative projects, and real-world involvement.

2481 & 2482 ECONOMICS

1 Period, 0.5 Credit

Prerequisite: Successful completion of previous year's program.

This course meets the senior year economics requirement for graduation.

Description: Economics is no longer confined to the back pages of newspapers. It has become part of the headline fare of our day. Not since the Great Depression have economic problems been so insistent, so worrisome, so much a part of our everyday conversation. Inflation, the stock market, the high price and short supplies of oil, the high cost of additional education, all these concerns have brought economics into the center of our daily lives.

2734 ADVANCED PLACEMENT MACRO-ECONOMICS – ALT.

Year, 0.5 Credit, 1 Period, R/W Alternating Day

Prerequisites: Successful completion of American History and recommendation of teacher

This course meets the senior year economics requirement for graduation.

Recommended for: Exceptional students in their senior year who wish a college level program

Expenses: Student expense for AP exam is approximately \$94.

Description: The purpose of the course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Discussed in some detail will be concepts such as aggregate supply and demand, the national income, inflation, unemployment, fiscal and monetary policy, and international trade and finance.

All students will be expected to take the A.P. Examination in May.

2744 ADVANCED PLACEMENT MICRO-ECONOMICS – ALT.

Year, 0.5 Credit, 1 Period, R/W Alternating Day,

Prerequisite: Successful completion of American History and recommendation of teacher

This course meets the senior year economics requirement for graduation.

Recommended for: Exceptional students in their senior year who wish a college level program

Expenses: Student expense for AP exam is approximately \$94.

Description: A course designed to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. Emphasis is placed on the nature and functions of product markets including the large role government plays in promoting equity and efficiency in the economy.

All students will be expected to take the A.P. examination in May.

2472 PUBLIC ISSUES IN CRIMINAL JUSTICE

Spring, 0.5 Credit, 1 Period

Prerequisite: Successful completion of previous year's program

This course meets the senior year government requirement for graduation.

Description: The purpose of the program is to increase the understanding in students of their role as participants in a constitutional democracy. Through the analysis of important criminal justice public policy issues, students will gain knowledge and competency in the criminal justice content area. Students will gain practical experience in preparing "cases", arguing for "clients" and sitting on "juries". This course will satisfy the participation in government requirement.

2631 & 2632 PROJECT ADVANCE SOCIOLOGY

Introduction to Sociology 101

Syracuse University Course (3 Credits)

Fall & Spring, 0.5 Credit, 1 Period

Prerequisites: Successful completion of the U.S. History program with a "B" or better average
This course meets the senior year government requirement for graduation.

Recommended for: Conscientious students who want the challenge of taking a college course for degree credit during their senior year

Expenses: Students can earn three college credits for a fee of \$115.00 per credit. The fee will be announced prior to registration.

Description: If you are the type of person interested in studying people in their social environments, this class will meet those expectations. It is an introduction to sociology class that encourages students to see and think about the social world, themselves, and the relations between themselves and the social world in new ways. It is an analytic, skills-based course that uses primary source readings from social science journals. It includes many student-centered learning activities. As this writing-intensive class progresses, students should develop increasing skill in analytic reading and writing, sociological reasoning, empirical research and investigation, and the ability to make generalizations about self and society in a global world. Major topics include: culture, groups and social structure, the power and influence of the media, self and identity, social inequalities based on race, class, gender and social change.

2704 ADVANCED PLACEMENT U.S. GOVERNMENT & POLITICS - ALT.

Year, 0.5 Credit, 1 Period, R/W Alternating Day

Prerequisites: Successful completion of American History and recommendation of teacher
This course meets the senior year government requirement for graduation.

Recommended for: Exceptional students in their senior year who wish a college level program

Expenses: Student expense for AP exam is approximately \$94.

Description: This course is designed to give students a critical perspective on government and politics in the United States. It involves both the studies of general concepts used to interpret American politics and the analysis of specific case studies. It also explores the various institutions, groups, beliefs, and ideas that make up the American political reality. The course will satisfy the participation in government requirement.

All students will be expected to take the A.P. Examination in May.

2492 CONSTITUTIONAL LAW

Spring, 0.5 Credit, 1 Period

Prerequisite: Successful completion of the previous year's program.

This course meets the senior year government requirement for graduation.

Description: Constitutional Law is designed as a research simulation driven curriculum in which students study the history of the Supreme Court from 1789 to the present. Emphasis will be given to Supreme Court holdings from the New Deal to the present, primarily dealing with competing needs of government and the individual constitutional protections articulated by the Bill of Rights and the Fourteenth Amendment. Students will be expected to conduct legal research using the internet Supreme Court cases in moot trial forums, focusing on such constitutionally contentious issues as abortion, free speech, physician-assisted suicide, and flag burning.

2501 GOVERNMENT AND SOCIETY IN THE 60'S AND 70'S

Fall, 0.5 Credit, 1 Period

Prerequisite: Successful completion of the previous year's program.

This course meets the senior year government requirement for graduation.

Description: The election of John F. Kennedy ushered in a time of extraordinary change in America. Race relations, women's rights, foreign policy, poverty, the criminal justice system, space technology, music; it is through these cultural transformations that we can better understand American society today. By 1980 America was forced to confront a loss of faith in its governmental and economic institutions, paving the way for the election of Ronald Reagan and subsequent challenges to this Republican ideology. The course will be seminar style with the students required to complete a paper and an interactive project on a topic of their choice from the 1960's and 1970's.

2442 THE ECONOMICS OF INEQUALITY

Spring, 0.5 Credit, 1 Period

Prerequisites: Successful completion of previous year's program

This course meets the senior year economics or government requirement for graduation. Students will discuss with their guidance counselor the appropriate subject field requirement to apply this course.

Description: What is meant by inequality in economics? Is it fair that wide disparities in wealth exist? Is it fair that wealthy individuals pay a far greater percentage of income tax?

This course attempts to examine issues related to potential inequalities within the realm of economics and understand the public policy decisions by government that impact on these issues. The course will be seminar style with the students required to complete a paper and an interactive project on a topic of their choice dealing with an issue related to inequality.

2641 CONTEMPORARY ASIAN EXPERIENCE

Fall, 0.5 Credit, 1 Period

This course meets the economics or government requirement for graduation. Students will discuss with their guidance counselor the appropriate subject field requirement to apply this course.

Description: The course explores issues that influence and shape the "Asian" experience in the 21st century. It identifies core values systems that affect our choices in an increasingly interconnected world. In addition, we analyze myriad expressions of power that shape important government, economic, and social policies in Asia and the United States. Topics addressed in this class include nuclear proliferation, environmental policies, human rights, youth culture, multiculturalism, and construction of historical memory.

2784 A.P. COMPARATIVE GOVERNMENT AND POLITICS

Year, 0.5 Credit, 1 Period, R/W Alternating Day

Prerequisites: Successful completion of American History and recommendation of teacher

This course meets the senior year government requirement.

Expenses: Student expense for AP exam is approximately \$94.

Description: A conceptual and thematic comparative analysis of six core nations (China, Great Britain, Iran, Mexico, Nigeria, Russia) with the United States. Themes will include globalization, democratization, political change, public policy, and citizen-state relations.

All students will be expected to take the A.P. examination in May.

2531 & 2532 PROJECT ADVANCE ECONOMICS

Syracuse Course 203

Fall & Spring, 0.5 Credit, 1 Period

Prerequisites: Successful completion of U.S. History Regents program with a “B” or better average
This course meets the senior year economics requirement.

Recommended for: Conscientious students who want the challenge and rigor of taking a college course for degree credit during their senior year

Expenses: Students can earn three college credits for a fee of \$115.00 per credit

Description: The goals of this course are to introduce students to the ideas that form the foundation of modern western economic thought, to examine the basic framework that economists have built on this foundation, and to show how this model is applied to current issues facing individuals and society. Students examine benefits as well as the problems, inherent in a market-oriented economy. The course prepares students to analyze and understand the on-going economic policy debate between interventionists and non-interventionists. In a significant way this course joins the forces of microeconomics to the realities of systemic macro-economic forces impacting on supply/demand, prices and public policies.

SPECIAL EDUCATION

- 9030** Grade 9 Resource Room – Daily
- 9040** Grade 10 Resource Room – Daily
- 9050** Grade 11 Resource Room – Daily
- 9020** Grade 12 Resource Room – Daily
- 9700** Grade 9 IS Class – Daily
- 9704** Grade 9 IS Class – Alt.
- 9710** Grade 10 IS Class – Daily
- 9714** Grade 10 IS Class – Alt.
- 9720** Grade 11 IS Class – Daily
- 9724** Grade 11 IS Class – Alt.
- 9730** Grade 12 IS Class – Daily
- 9734** Grade 12 IS Class – Alt.

SPECIAL CLASSES (5:1)

- 9070** Castle IS Class – Daily
- 9074** Castle IS – Alt.
- 9010** Grade 9 Resource Room – Daily
- 9012** Grade 10 Resource Room – Daily
- 9017** Grade 11 Resource Room – Daily
- 9018** Grade 12 Resource Room – Daily

SPECIAL CLASSES Instructional Support (12:1)

- 9200** Grade 9 IS Class – Daily
- 9204** Grade 9 IS Class – Alt.
- 9110** Grade 10 IS Class – Daily
- 9114** Grade 10 IS Class – Alt.
- 9100** Grade 11 IS Class – Daily
- 9104** Grade 11 IS Class – Alt.
- 9120** Grade 12 IS Class – Daily
- 9124** Grade 12 IS Class – Alt.

SPECIAL CLASS (15:1)

- 9211** English 9
- 9212** English 10
- 9217** English 11 CCSS
- 9214** English 12
- 9215** Reading
- 9216** Reading Skills – Alt.
- 9221** Global History 9
- 9222** Global History 10
- 9223** U.S. History & Government
- 9224** Economics (Fall Semester)
- 9225** Public Issues in Criminal Justice (Spring Semester)
- 9240** Physical Setting/Earth Science and 9244 Laboratory
- 9245** Living Environment and 9246 Laboratory
- 9400** Oceanography and 9404 Laboratory
- 9390** Forensic Science and 9394 Laboratory
- 9310** Algebra I CCSS and 9314 Laboratory
- 9480** Principles of Geometry
- 9350** Geometry CCSS and 9354 Laboratory
- 9440** Mathematical Functions
- 9420** Algebra II CCSS and 9424 Laboratory
- 9430** Advanced Algebra
- 9230** Applied Math
- 9570** Consumer Math

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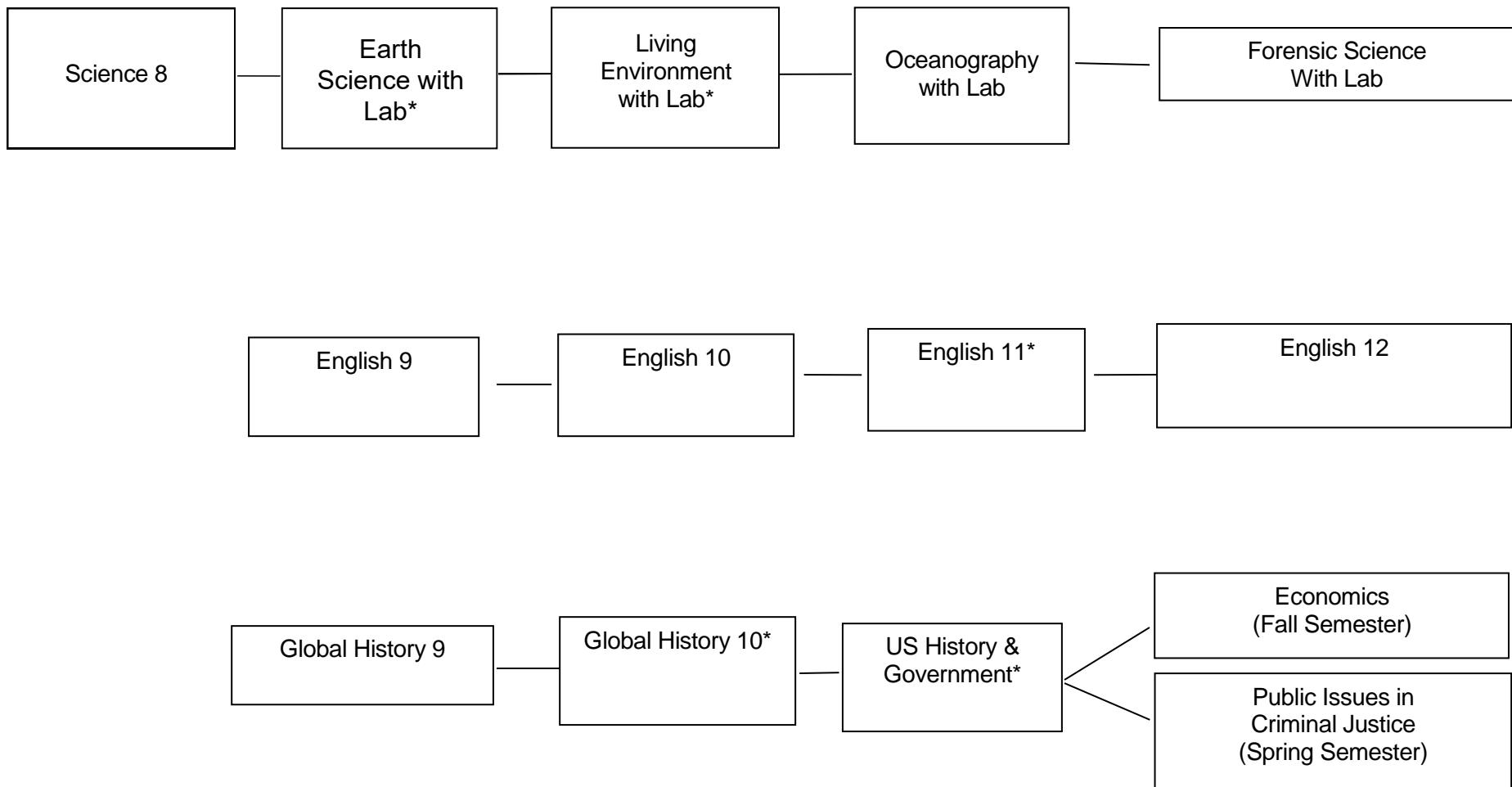
- 9484** S.A.I.L. (Skills to Achieve Independent Living) with Human Ecology
9000 Health – Alt.
9490 Exploring Latin
SPECIAL CLASS (12:1:1)
9500 Life Skills Instructional Support/Career Readiness Class – Daily
9504 Life Skills Instructional Support/Career Readiness Class – Alt.
9510 Life Skills Social Studies
9580 Life Skills Health – Alt.
9313 Life Skills Science
9690 Life Skills ELA
9550 Life Skills Mathematics
9525 Life Skills Reading
9542 Life Skills Career Exploration – Alt.
9391 Life Skills Computer Applications – Alt.
8374 Adapted Physical Education – Alt.
9600 Work-Based Learning Seminar

PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.

Director of Pupil Personnel Services

Mary-Lou Sapienza (516) 364-5695
msapienza@syossetschools.org

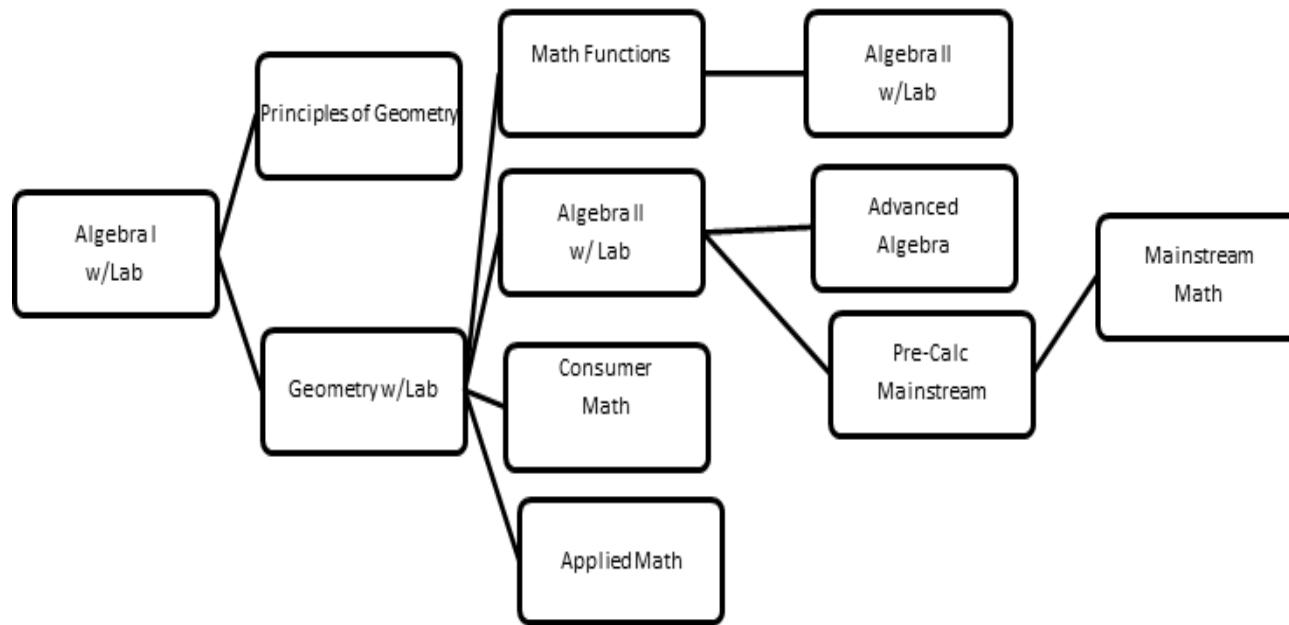
**SPECIAL EDUCATION DEPARTMENT
SPECIAL CLASS (15:1) SCIENCE, ENGLISH, AND SOCIAL STUDIES SEQUENCES**



2019-2020

****Regents Exam in June
See next page for Math**

**SPECIAL EDUCATION DEPARTMENT
SPECIAL CLASS MATHEMATICS (15:1) SEQUENCE
2019-2020**



***Regents Exam in June**

Other pathways may be best for some students. Students should discuss academic plans with their teacher, guidance counselor, and coordinator.

SPECIAL EDUCATION DEPARTMENT

Special Education Services

Special Education refers to programs and/or services that are specially designed to meet the needs of students with disabilities. The Committee on Special Education (CSE) determines the programs and/or services for each student with a disability. Services are provided within the Least Restrictive Environment (LRE) as defined in a student's Individualized Education Program (IEP) as determined by the CSE.

Continuum of Services

The continuum of special education services for school-age students with disabilities is an array of services to meet an individual student's needs that may include the following:

Related Services- includes counseling, speech and language therapy, occupational therapy, physical therapy, and services for the deaf and hard of hearing or visually impaired. Services may include consultation and/or direct services.

Consultant Teacher Services (CTS) – Direct or Indirect services that provide consultant teacher services to students with disabilities depending upon the needs of the student and as per IEP.

Resource Room (5:1) – Purpose is to provide supplemental instruction of students with disabilities who are in need of such supplemental programs.

Special Class – A student with a disability shall be placed in a special class for instruction on a daily basis to the extent indicated in the student's IEP. The class size for those students whose special education needs consist primarily of the need for specialized instruction in a setting of 15:1, 12:1, and 12:1:1.

RESOURCE ROOM 5:1

Recommended for students primarily in general education courses (mainstream).

9030 GRADE 9 RESOURCE ROOM - DAILY

9040 GRADE 10 RESOURCE ROOM - DAILY

9050 GRADE 11 RESOURCE ROOM - DAILY

9020 GRADE 12 RESOURCE ROOM - DAILY

Year, 1 Period Daily, No Credit

Resource Room provides remedial and individualized instruction.

SPECIAL CLASS (12:1) INSTRUCTIONAL SUPPORT

Recommended for students primarily in general education courses (mainstream).

9700 GRADE 9 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – DAILY

9704 GRADE 9 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – ALT.

9710 GRADE 10 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – DAILY

9714 GRADE 10 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – ALT.

9720 GRADE 11 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – DAILY

9724 GRADE 11 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – ALT.

9730 GRADE 12 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – DAILY

9734 GRADE 12 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – ALT.

9070 CASTLE INSTRUCTIONAL SUPPORT CLASS - DAILY

Year, 1 Period Daily, No Credit

Special Class (15:1)

Recommended for students primarily in special classes.

- 9010 GRADE 9 RESOURCE ROOM – DAILY
- 9012 GRADE 10 RESOURCE ROOM– DAILY
- 9017 GRADE 11 RESOURCE ROOM – DAILY
- 9018 GRADE 12 RESOURCE ROOM – DAILY

SPECIAL CLASS (12:1) INSTRUCTIONAL SUPPORT

Recommended for students primarily in special classes.

- 9200 GRADE 9 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – DAILY
- 9204 GRADE 9 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – ALT.
- 9110 GRADE 10 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS - DAILY
- 9114 GRADE 10 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – ALT.
- 9100 GRADE 11 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – DAILY
- 9104 GRADE 11 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – ALT.
- 9120 GRADE 12 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – DAILY
- 9124 GRADE 12 INSTRUCTIONAL SUPPORT/COLLEGE/CAREER READINESS CLASS – ALT.

SPECIAL CLASS (15:1) HEALTH

9000 HEALTH – ALT.

Required for: Meeting graduation requirements

Life Skills students

Description: Health Education is a course designed to help students develop awareness of issues that impact their own wellness as well as the community at large. This course is designed to meet the needs of students who may not be able to communicate about sensitive subject matters in a large group setting. Instruction focuses to develop an understanding of a variety of health issues and parallels topics covered in the general education Health Education course.

SPECIAL CLASS (15:1) ENGLISH

9211 SPECIAL CLASS ENGLISH 9

Year, 1 Period, 1 Credit

Prerequisites: Successful completion of English 8

Required for: Meeting graduation requirements

Recommended for: Students who require specialized instruction. This course makes challenging material accessible to students receiving special education services.

Description: Students are exposed to a sampling of literature from different cultures. Instruction includes vocabulary development, literary elements, listening, speaking and reading comprehension. Basic writing mechanics – spelling, punctuation and usage are addressed. Writing skills are taught via scaffolding using textual analysis and supporting details with emphasis on developing a coherent essay. Students are provided access to all materials by changing instructional designs and providing differentiated instruction.

9212 SPECIAL CLASS ENGLISH 10

Year, 1 Period, 1 Credit

Prerequisites: Successful completion of English 9

Required for: Meeting graduation requirements

Recommended for: Students who require specialized instruction. This course makes challenging material accessible to students receiving special education services.

Description: Students study various genres of literature that focus on the development of self and the relationship between the self and the world. Analysis of literature focuses on how and why literary and rhetorical features are used to create meaning in both fiction and non-fiction texts. Textual materials are accessible to students by adapting the instructional design. Listening and speaking skills are taught through class discussions, seminar, cooperative group work, debate and presentations. Writing skills are fostered through instruction in literary and critical analysis, argumentation, creative and personal pieces by employing strategies in graphic organization, scaffolding and outlining. Research skills are developed via instruction on developing an argument research paper. The goals of this course are to introduce students to the tasks covered in English 11 as they prepare for the New York State Examination in English Language Arts Common Core, as well as prepare students for the writing required across academic disciplines.

9217 SPECIAL CLASS ENGLISH 11

Year, 1 Period, 1 Credit

Prerequisites: Successful completion of English 10

Required for: Meeting graduation requirements

Recommended for: Students who require specialized instruction. This course makes challenging material accessible to students receiving special education services.

Description: Students study American fiction and non-fiction for literary and critical meaning; as well as application to real life and relevance to historic time periods. The works are analyzed from a language-based approach, with emphasis on the rhetorical content (subject, purpose and audience). The course also focuses on the research process, wherein students investigate a theme or issue prevalent among the course readings. Instructional delivery includes adapting materials as necessary to meet the individual needs of students while aligning with the state standards. This course culminates the New York State Regents Examination in English Language Arts.

9214 SPECIAL CLASS ENGLISH 12

Year, 1 Period, 1 Credit

Prerequisites: Successful completion of English 11

Required for: Meeting graduation requirements

Recommended for: Students who require specialized instruction. This course makes challenging material accessible to students receiving special education services.

Description: This course is designed to transform students into adult readers and thinkers.

Challenging material is made accessible to students through small class instruction. Students will analyze works of a popular nature along with their cinematic counterparts. Writing will focus on critical analysis of the author's and/or directors' message. Personal essays and a research paper will reflect students' growth in preparation for life after high school.

SPECIAL CLASS (12:1) READING

9215 SPECIAL CLASS READING

Year, 1 Period, 1 Credit

Description: Students are assessed prior to starting this class to determine primary area of reading deficit. Students may be placed in a research based reading program or in a general reading skills section. Placements are per CSE recommendation.

SPECIAL CLASS (15:1) SOCIAL STUDIES

9221 SPECIAL CLASS GLOBAL HISTORY 9

(2-Year N.Y.S. Regents at the end of Year 2)

Year, 1 Period, 1 Credit

Prerequisite: Successful completion of Social Studies 8

Required for: Meeting graduation requirements

Recommended for: Students who require specialized instruction. This course makes challenging material accessible to students receiving special education services.

Description: Focus on a chronological approach to World History from the dawn of civilization to the French Revolution. Political, economic, religious, social, and intellectual developments will be investigated in each period.

9222 SPECIAL CLASS GLOBAL HISTORY 10

(2-Year N.Y.S. Regents)

Year, 1 Period, 1 Credit

Prerequisite: Successful completion of Global Studies 9

Required for: Meeting graduation requirements

Recommended for: Students who require specialized instruction.

This course makes challenging material accessible to students receiving special education services.

Description: Focus on a chronological approach to World History from the Age of Revolutions (1750) to the present time. Political, economic and social development will be investigated in each era. Program culminates in a N.Y. State Regents examination.

9223 SPECIAL CLASS U.S. HISTORY & GOVERNMENT

(N.Y.S. Regents)

Year, 1 Period, 1 Credit

Prerequisite: Successful completion of Global Studies 10

Required for: Meeting graduation requirements

Recommended for: Students who require specialized instruction. This course makes challenging material accessible to students receiving special education services.

Description: This course provides a cursory overview of American History from the colonial period to the present, including our nation's constitutional foundations and its theory of government. Course culminates in NYS Regents examination.

9224 SPECIAL CLASS ECONOMICS

Fall only, 1 Period, .5 Credit

Prerequisite: Successful completion of U.S. History & Government

Required for: Meeting graduation requirements

Recommended for: Students who require specialized instruction.

Description: Economics have become part of our daily lives. Television, radio, newspapers, and internet consistently report on issues such as inflation, the stock market, oil supply and demand, poverty and unemployment, and credit card debt. This course will examine these topics. Students will be required to complete interactive projects that reflect real world applications.

9225 SPECIAL CLASS PUBLIC ISSUES IN CRIMINAL JUSTICE

Spring only, 1 Period, .5 Credit

Prerequisite: Successful completion of Economics

Required for: Meeting the Participation In Government graduation requirement.

Recommended for: Students who require specialized instruction. This course makes challenging material accessible to students receiving special education services.

Description: The purpose of this course is to increase students' awareness of their role as a participant in a constitutional democracy. Through the analysis of important criminal justice and public policy issues, students will gain knowledge of the criminal justice system. Students will gain practical experience in preparing mock cases, arguing for mock clients and serving mock juries.

SPECIAL CLASS (15:1) SCIENCE

9240 SPECIAL CLASS PHYSICAL SETTING/EARTH SCIENCE AND 9244 LABORATORY

Year, 1 Credit, 1 Period Daily Plus Alternate Day Lab

Prerequisite: Science 8

Required for: Meeting graduation requirements

Recommended for: Students who require specialized instruction. This course makes challenging material accessible to students receiving special education services.

Description: Earth Science is a N.Y.S. Regents course in which students explore the physical laws of nature by studying the Earth and its place in the universe. Topics include geology, meteorology, and astronomy. Laboratory work and hours is a requirement of this course. The Earth Science Regents is the final examination.

9245 SPECIAL CLASS LIVING ENVIRONMENT/BIOLOGY AND 9246 LABORATORY

Year, 1 Credit, 1 Period Daily, Plus Alternate Day Lab

Prerequisite: Successful completion of Earth science

Required for: Meeting graduation requirements

Recommended for: Students who require specialized instruction

Description: Living Environment is a N.Y.S. Regents course. It provides students with a modern, comprehensive background in Biology. The required alternate-day laboratory periods enhance the curriculum with hands-on applications. Lab work and hours is a requirement of this course. The Regents exam is the final exam for this course.

9400 SPECIAL CLASS OCEANOGRAPHY AND 9404 LABORATORY

Year, 1 Credit, 1 Period Daily Plus Alternate Day Lab

Prerequisites: Successful completion of Earth Science and Living Environment

Recommended for: (typically after completion of Living Environment)

Description: This Oceanography course will provide students with an opportunity to study topics such as oceanography, marine biology, evolution, human impact on the oceans, study of historical vessels and the technology that is currently in use in the study of the ocean floor and marine life. This course will enable students to correlate Math, Science and Technology standards through hands-on course work and laboratory exercises.

9390 SPECIAL CLASS FORENSIC SCIENCE AND 9394 LABORATORY

Year, 1 Credit, 1 Period Daily Plus Alternate Day Lab

Prerequisite: Successful completion of Earth Science and Living Environment

Recommended for: Grades 11 and 12

Description: This course provides students with the scientific principles, techniques and skills used in a modern crime laboratory. The course focuses on those areas of biology and chemistry relating to the analysis of physical evidence and the interpretation of its significance to forensic investigators. The nature of the physical evidence is emphasized along with practices relating to the proper collection, preservation and recording of evidence.

SPECIAL CLASS (15:1) MATH

9310 SPECIAL CLASS ALGEBRA I CCSS AND 9314 LABORATORY

Year, 1 Credit, 1 Period Daily Plus Alternate Day Lab

Required for: Principles of Geometry and/or Geometry with Lab

Recommended for: Meets graduation requirements.

Description: The fundamental purpose of this course is to formalize and extend the mathematics that students have previously learned. The critical areas of this course deepen and extend the students' understanding of linear and exponential relationships by contrasting these relationships with each other and by applying linear models to data that exhibit a linear trend. Students will engage in methods for analyzing, solving and using quadratic functions. Students will engage in the solution of linear equations and using quadratic functions. Students will engage in the solution of linear equations and apply related solution techniques and the laws of exponents to the creation and solution of exponential equations. Students also expand their experience with functions to include more specialized functions such as absolute, step and those that are piecewise-designed. Students will meet for one period each day and a lab period every other day. The lab period that is a required portion of the course will be devoted to the reinforcement of the various skills necessary to be successful on the CCSS (Common Core State Standard) examination.

9480 SPECIAL CLASS PRINCIPLES OF GEOMETRY

Year, 1 Credit, 1 Period Daily

Recommended for: Students who need to develop additional skills in order to continue with the study of Geometry with lab and for students in grades 9 or 10

Description: This course focuses on the essential skills of Geometry with an emphasis on algebraic applications. Students will have the opportunity to reinforce their algebraic skills while applying geometric principles. The course culminates in a final exam.

9350 SPECIAL CLASS GEOMETRY AND 9354 LABORATORY

Year, 1 Credit, 1 Period Daily Plus Alternate Day Lab

Required for: Algebra II

Recommended for: Students following the sequence for a Regents Diploma with Advanced Designation

Description: Students will explore more complex geometric situations and will deepen their explanations of geometric relations including formal mathematical arguments. Transformational geometry will be emphasized throughout the course. Students will establish triangle congruence criteria based on analyses of rigid motions and formal constructions. Students will use triangle congruence as a foundation for the development of formal proofs. The concepts of similarity will be used to solve problems and to understand right triangle trigonometry. Students will develop the Laws of Sines and Cosines in order to find missing measures of general triangles, building on students' work with quadratic equations done in their previous mathematics courses. Students will prove the basic theorems of circles and study the relationships between the segments and angles in a circle. Students will meet for one period each day and a lab period every other day. The lab period that is a required portion of the course will be devoted to the reinforcement of the various skills necessary for the student's success in this course. The examination for Geometry Regents will be administered in June.

9440 SPECIAL CLASS MATHEMATICAL FUNCTIONS

Year, 1 Credit, 1 Period

Prerequisites: Geometry CCSS or Geometry-Lab

Description: This course provides skill building preparation for Algebra II as well as providing the necessary review of previous learned topics in Algebra and Geometry. Following this course, students may continue their studies in Algebra II in order to take the Regents exam. This course will help students transition to higher mathematics through the exploration of various topics.

9420 SPECIAL CLASS ALGEBRA II L AND 9424 LABORATORY

Year, 1 Credit, 1 Period Daily Plus Alternate Day Lab

Prerequisites: Recommended minimum final grade of C in Geometry or Geometry L or departmental approval.

Recommended for: Students in grades 10, 11, or 12 who are on track for a Regents Diploma with Advanced Designation.

Description: Students will meet for one period each day and for a lab period every other day. The lab period that is a required portion of the course will be devoted to the reinforcement of the various skills necessary to be successful on the Algebra II examination. This course culminates with the students taking the Regents exam in June.

9430 SPECIAL CLASS ADVANCED ALGEBRA

Year, 1 Credit, 1 Period

Prerequisite: Mathematical Functions

Recommended for: College bound Juniors or Seniors who desire an additional year of Mathematics.

Description: This course will further prepare the student in the areas of Algebra, graphical techniques, functions, analytic geometry, theory of equations, problem solving, linear programming and matrices.

9230 SPECIAL CLASS APPLIED MATH

Year, 1 Credit, 1 Period

Prerequisite: Algebra CCSS

Recommended for: Students who desire an additional year of mathematics.

Description: This course will demonstrate the uses of mathematics in the real world. Arithmetic, algebraic and geometric applications in business, construction, science, art and industry will be explored.

9570 SPECIAL CLASS CONSUMER MATH

Year, 1 Credit, 1 Period

Prerequisite: Algebra CCSS or as per department recommendation

Recommended for: Students desiring an additional year of mathematics.

Description: This course provides a “hands on” comprehensive study of mathematics necessary for consumer decision making and the world of work. Students will be provided with the skills they need in order to integrate and apply mathematical thinking skills to real life money management applications. Calculators and computers will be used throughout this course to explore spreadsheets, banking, investing, purchasing, housing and earnings.

9484 SPECIAL CLASS S.A.I.L. (SKILLS TO ACHIEVE INDEPENDENT LIVING) WITH HUMAN ECOLOGY

Human Ecology Elective – Grades 9 - 12+

Alt. Days, Full Year - 0.5 High School Credit

Fulfills 50 hours towards CDOS Commencement Credential

Recommended for: Students currently enrolled in high school Life Skills and General Studies classes; students with a need to increase independent living skills. Approval needed from Special Education department and the Human Ecology department.

Description: The S.A.I.L. curriculum is designed to introduce students to the development of independent and acquisition of daily living skills. This course will serve as an introduction to and foundational skills for subsequent elective classes offered in the Human Ecology department.

S.A.I.L. will provide students with opportunities to learn and practice transferrable, real-world competencies. Basic cooking, safety and sanitation skills, laundry and clothing maintenance, home and money management, child care and family relations, and career opportunities will be explored.

LIFESKILLS CLASS (12:1:1)

Special Class (12:1:1) is specially designed instruction for students to develop functional academics and daily living skills. Opportunities for pre-vocational experiences are embedded in the program. Students will complete the New York State Alternate Assessment (NYSA) and can achieve a Skills and Achievement Commencement Credential upon exiting high school.

9500 LIFE SKILLS SPECIAL CLASS INSTRUCTIONAL SUPPORT/CAREER READINESS CLASS – DAILY

Year, 1 Credit, 1 Period

Recommended for: Students recommended for Skills and Achievement Commencement Credential.

Description: This service is designed to meet transition planning goals for students who are receiving services and attend Life Skills classes. The curriculum focuses on the transitional skills that are necessary for high school students to obtain before entering a post-secondary setting. Instruction addresses and includes career exploration, work-readiness skills, integrated learning in the workplace, literacy, self-advocacy skills, decision making and promoting independence. Development of Career Plans and Employability Profiles in alignment with Skills and Achievement Commencement Credential.

9504 LIFE SKILLS SPECIAL CLASS INSTRUCTIONAL SUPPORT/CAREER READINESS CLASS – ALT.

Year, .5 Credit, 1 Period Alt. Day

Recommended for: Skills and Achievement Commencement Credential.

Description: The curriculum focuses on the transitional skills that are necessary for high school students to obtain before entering a post-secondary setting. Instruction addresses and includes career exploration, work-readiness skills, integrated learning in the workplace, literacy, self-advocacy skills, decision making and fosters independence. Development of Career Plans and Employability Profiles in alignment with Skills and Achievement Commencement Credential.

9510 LIFE SKILLS SPECIAL CLASS SOCIAL STUDIES

Year, 1 Credit, 1 Period

Recommended for: Skills and Achievement Commencement Credential.

Description: Focuses on topics tailored for functional daily living skills. The political, economic, religious, social and intellectual developments of these topics will be explored.

9580 LIFE SKILLS SPECIAL CLASS HEALTH – ALT.

Year, .5 Credit, 1 Period on Alternate Days

Recommended for: Skills and Achievement Commencement Credential.

Description: Health Education is a course designed to help students develop awareness of issues that impact their own wellness as well as the community as a whole. This course is designed to meet the needs of students who may have difficulty communicating about sensitive subject matters in a large group setting. Students will receive specialized instruction with regard to all aspects of health. Instruction will be geared towards having students develop an understanding of a variety of health issues and will parallel topics covered in regular education Health and Wellness courses.

9490 EXPLORING LATIN

Full Year, 1 Credit, 1 Period

Co-Requisite: Special Education students or permission by World Languages and Special Education coordinators

Recommended for: Special Education students who have not fulfilled the World Languages proficiency requirement

Description: The course of study covers many areas including Ancient Roman and Greek history, mythology and culture. The study of the English language is done through Latin roots and common phrases. Projects are used during the year to enhance student interaction and assess knowledge of topics taught. Note that Exploring Latin fulfills the one credit of language required for graduation.

9313 LIFE SKILLS SPECIAL CLASS SCIENCE

Year, 1 Credit, 1 Period

Recommended for: Skills and Achievement Commencement Credential.

Description: This course will cover concepts in both physical and life sciences. Standards addressed will provide a strong foundation in science and include connections to pre-vocational exploration. Students will participate in project based work and field trips.

9690 LIFE SKILLS SPECIAL CLASS ELA (English Language Arts)

Year, 1 Credit , 1 Period

Recommended for: Skills and Achievement Commencement Credential.

Description: This course includes instruction in functional writing, listening and speaking skills. Vocabulary development is emphasized. Writing skills are taught via narrative, expository and creative writing. Listening and speaking skills are taught through discussions, group work, and presentations.

9550 LIFE SKILLS SPECIAL CLASS MATHEMATICS

Year, 1 Credit, 1 Period

Recommended for: Skills and Achievement Commencement Credential.

Description: This math class serves students with the tools and interactive experiences needed to navigate in a setting or environment independently. Topics covered will include: maps and directions, time and duration of events, rate and salary, measurement, weather, budgeting and purchasing, planning for events and nutrition. Functional skills will be reinforced and use of calculator will be practiced.

9525 LIFE SKILLS SPECIAL CLASS READING

Year, 1 Credit , 1 Period

Recommended for: Skills and Achievement Commencement Credential.

Description: This is a course in which functional writing skills are taught through instruction in persuasive, creative and personal pieces. Vocabulary development is emphasized. Students explore various literary selections. Listening and speaking skills are taught through discussions, group work, and presentations. Both emphasize skill acquisition for reading in the content area and functional daily living.

9542 LIFE SKILLS SPECIAL CLASS CAREER EXPLORATION - ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Skills and Achievement Commencement Credential.

Description: This course will expose students to career options, the types of training needed to succeed in the field of choice, and the benefits provided. Guest speakers, field trips, and hands on trials will provide an interactive experience. The website: careerzone.ny.gov will become a familiar source of information and exploration. A portfolio will be developed on this site as well as a journal to display how interests have been shaped.

9391 LIFE SKILLS SPECIAL CLASS COMPUTER APPLICATION - ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Skills and Achievement Commencement Credential.

Description: This course will allow students to increase competency in many areas of computer usage for educational, personal, and vocational purposes. Students will create an email account and learn to use this valuable tool for communication. Microsoft Office Suite will be taught including: Google Chrome, Word, Power Point, Publisher, and Excel. Projects will enhance content area coursework. Research techniques and internet safety will be included.

8374 ADAPTED PHYSICAL EDUCATION – ALT.

Year, 0.5 Credit, One Period on Alternate Days

Prerequisites: Adapted Physical Education program as per Individual Education Plan

Description: The Adapted Physical Education program gives students with Individual Education Plans the opportunity to reap the benefits of Physical Education classes and meet the New York State standards required for graduation. The curriculum parallels the General Physical Education program with modifications where necessary to ensure the student's success.

SPECIAL CLASS WORK-BASED LEARNING

9600 SPECIAL CLASS WORK-BASED LEARNING SEMINAR

Year, 1 Credit, 1 Period (or to be determined on an individual basis)

Required for: Career Development and Occupational Studies Credential and/or Skills and Achievement Commencement Credential.

Recommended for: Students in Special Class earning CDOS hours

Description: This course strives to equip students with employability skills, career awareness and the framework to make informed decisions about future education and employment. Students will be provided with an opportunity to experience and learn about the world of work on an introductory level. Students will develop communication skills, a respect for others as well as build positive self-esteem. Students are placed at varied worksites of interest with opportunities within the high school building as well as the community. Job placement is a collaborative effort between student and parent, SHS staff, and community businesses. Students may be provided with supervision by a trained job coach. WBL is based on CSE recommendation.

TECHNOLOGY

- 7600** Design & Drawing for Production
- 7620** Engineering Design & Communication
- 7640** Architecture: Residential Structures
- 7660** Architecture: Commercial Structures
- 7630** Architecture: Portfolio & Public
- 7780** Digital & Computer Electronics
- 7884** Transportation Systems – Alt.
- 7874** Consumer Auto – Alt.
- 7894** Advanced Consumer Auto – Alt.
- 7954** Unique Projects – Alt.
- 7524** Construction Systems – Alt.
- 4600** Sy-Stem Robotics
- 4610** Sy-Stem Robotics 2: Drones
- 7520** Robotics Design and Engineering
- 7834** Woodworking Technology – Alt.
- 7820** College Engineering
- 7830** College Nanotechnology

PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.

Administrative Assistant
Raymond Loverso 364-5711

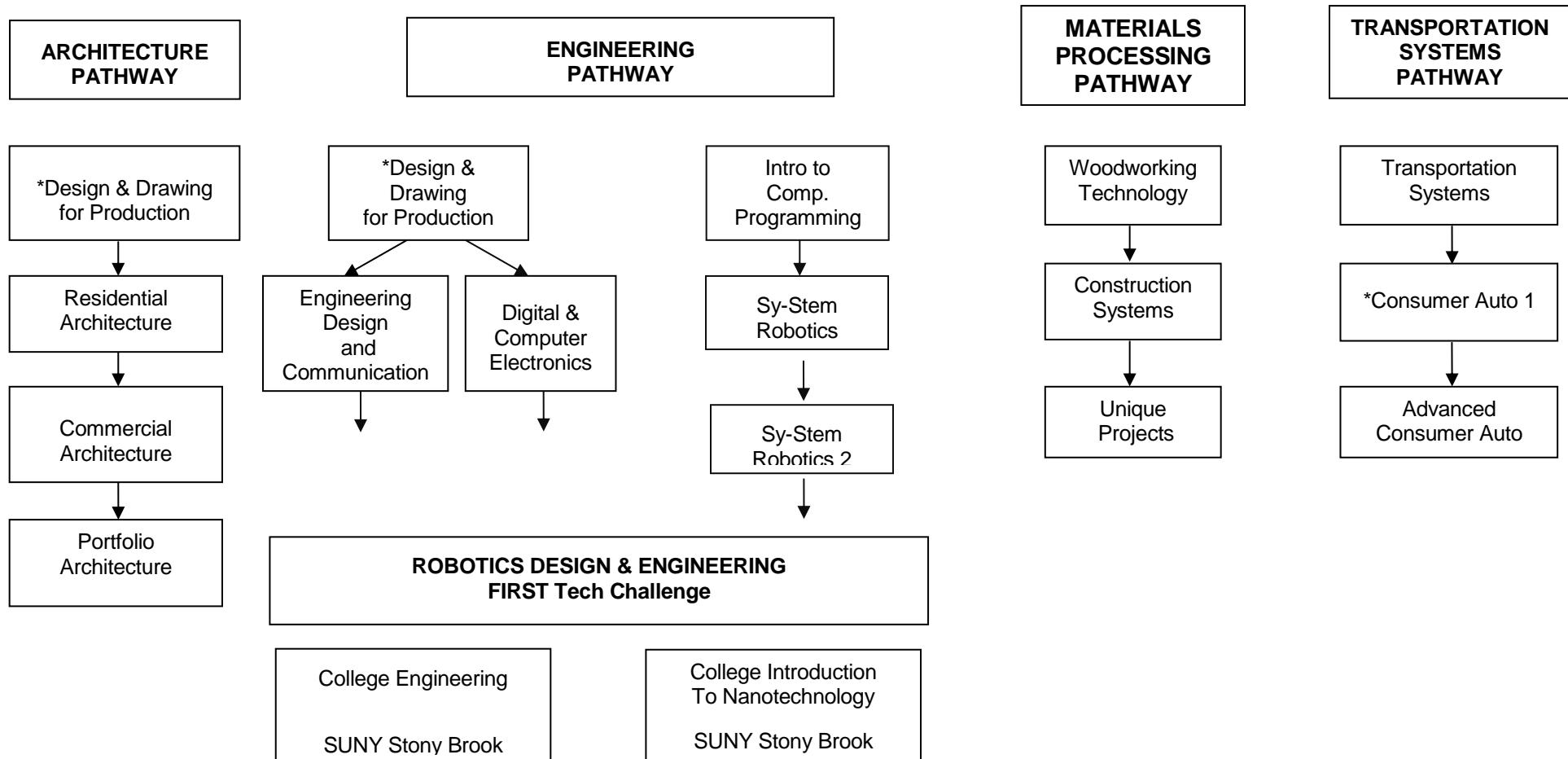
Technology For Creative Visionaries

Explore.....Design.....Create!



Welcome to Syosset High School's **Technology Department**. In the Technology Department we use an interdisciplinary approach to help you explore the relationship between technology and society. Our courses are designed to inspire you to think creatively about technical content and to design projects with real world implications. Using hands-on activities in our state of the art technology classrooms, you will develop your interests and talents while exploring the vast career opportunities available to you. Students interested in an Advanced Regents Diploma may choose to complete a five-unit sequence option in Technology.

TECHNOLOGY DEPARTMENT



Courses can be taken in any sequence desired.

*Indicates prerequisite for the next course in the pathway.

TECHNOLOGY DEPARTMENT

The Syosset High School Technology Department program of instruction is designed to provide girls and boys with a wide variety of opportunities to experience technical content and problem solving using hands-on activities in our state of the art technology laboratories. Technology course work enables students to focus their interests and talents while exploring future career choices. Technology courses are an excellent introduction for girls and boys to discover careers in engineering and architecture. Advanced coursework is offered in architecture, automotive, engineering and nanotechnology. Contact members of the Technology Department, guidance counselors and/or the Career and Technical Education coordinator for additional information on this exciting group of electives. **Students interested in an Advanced Regents Diploma may choose to complete a five unit sequence option in Technology.**

7600 DESIGN & DRAWING FOR PRODUCTION

Year, 1 Credit, 1 Period

Meets graduation requirement of one unit of the arts

Recommended for: Grades 9-12

Required for: DDP is a pre-requisite for our advanced courses in: Engineering Design (7620), Architecture: Residential Structures (7640) and Robotics (7520)

Description: Have you ever had an idea for something new that you wanted to share with your friends and perhaps design for production and commercial sale? Ever wonder how to combine you inner “techie” with your talent and creativity? Then Design and Drawing for Production is the course for you. In this course through brainstorming, group activities, and working in teams, you will learn how to take an idea through a design process for production. You will learn how creative problem-solving is the essence of good design and how technical drawing is the expression of design, for purposes of production. Computer software will be used to create interesting technical drawings to produce this package and other designs that you will invent. Learn how to create your future vision and make your design a reality.

Careers: Technical drawing is used by architects, engineers, interior designers, product designers, programmers, app designers and basically anyone who builds or creates things.

7620 ENGINEERING DESIGN AND COMMUNICATION

Year, 1 Credit, 1 Period

Prerequisite: Design & Drawing for Production (7600).

Recommended for: Grades 10-12

Description: Expanding upon the concepts in DDP, this advanced course emphasizes teamwork and engineering design problem solving. Students communicate design solutions through the use of computer aided design sketches. Student teams apply project management concepts and adhere to industry constraints while designing and building rockets. Additional projects include electronics and alternative energy wind generation systems.

7640 ARCHITECTURE: RESIDENTIAL STRUCTURES

Year, 1 Credit, 1 Period

Prerequisites: Design & Drawing for Production (7600) or senior year enrollment

Required for: Architecture: Commercial Structures

Recommended for: Grades 10-12

Expenses: Model building supplies.

Description: Provides an introduction to the field of architectural drafting where the student will learn the many components that make up the structure of a building. Pictorials will be produced as well as a variety of construction details. Opportunity is provided for original design. Course includes work with computer aided design (CAD).

7660 ARCHITECTURE: COMMERCIAL STRUCTURES

Year, 1 Credit, 1 Period

Prerequisites: Architecture: Residential Structures (7640)

Recommended for: Students who want to continue their studies of architecture

Expenses: Model building supplies

Description: Topics studied include: history of architecture, residential and commercial site development, topographic mapping, development of commercial properties, writing specifications, cost analysis, architectural rendering, and making of architectural models. Course includes work with computer aided design (CAD).

7630 ARCHITECTURE: PORTFOLIO & PUBLIC

Year, 1 Credit, 1 Period

Prerequisites: Architecture: Residential Structures (7640)

Recommended for: Students in grades 11-12 who plan to major in architecture

Expenses: Students will supply model building supplies.

Description: In the first semester, students will focus on creating a portfolio to assist them in the college admissions process. The essentials of public architecture will be explored in the second semester. Students will design and create plans, renderings, and scale models of public structures intended to be used by large numbers of people. Emphasis will be placed on students developing a visionary design style that encompasses the need for energy conservation and society's changing needs.

7780 DIGITAL & COMPUTER ELECTRONICS

Year, 1 Credit, 1 Period

Prerequisites: None

Recommended for: Grades 10-12. Students interested in exploring computer technology

Description: An introduction to the study of computer hardware. Students design digital logic circuits using microchips. Students will learn to use computer assisted software to design circuits. Students study the architecture of computer systems. Included are the CPU, memory, interface, and peripheral devices. Students will construct a single board computer device.

7884 TRANSPORTATION SYSTEMS - ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Grades 9-12

Expenses: Cost of rocket.

Description: Students will learn how an internal combustion engine works by taking apart, inspecting, and rebuilding a 4-stroke lawn mower engine. They will also learn how to trouble shoot an engine, diagnose, and fix engine problems. In addition, students will collectively build a full-size vehicle. Previous projects have included a 13-foot boat, a go-cart, and a hover craft.

7874 CONSUMER AUTO – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Grades 10-12

Students who will drive a car someday. No prior knowledge of auto required.

Description: This class includes vehicle maintenance, brake systems, electrical systems, and cooling systems. Students will learn how to properly maintain a vehicle in order to avoid excessive problems and unnecessary, costly repairs. In addition, they will learn how various auto systems work, followed by hands-on experience working on actual cars.

7894 ADVANCED CONSUMER AUTO – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisite: Consumer Auto (7874)

Recommended for: Students who have completed Consumer Auto and want to learn about diagnostic systems

Description: Students will learn how to use diagnostic equipment to troubleshoot common problems with automobiles including engine malfunctions that result from system problems with the drive train, fuel, electrical, ignition, and cooling systems.

7954 UNIQUE PROJECTS – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: Grades 10-12

All students who need to work on independent projects in all disciplines including the research program

Expenses: Students are required to supply their own materials.

Description: Utilizing the various tools and equipment in the material processing lab, students are given the opportunity to work on individual projects of their own design. Metals, woods and plastics are featured.

7524 CONSTRUCTION SYSTEMS – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Grades 9-12.

Description: Students will work in teams to design and create large or complex projects from a variety of materials including plastics, metals, and woods. These may include structures such as decks, bridges, or walls. Students will learn the safe and proper use of hand and machine tools, limitations of materials, and construction and production techniques.

4600 SY-STEM ROBOTICS

Year, 1 Credit, 1 Period

Prerequisites: Introduction to Computer Programming OR instructor approval

Recommended for: Sophomores, juniors, seniors who are interested in taking Robotics Design and Engineering

Description: This course provides a comprehensive approach to problem solving in real-life situations using Science, Technology, Engineering, and Math (STEM) through Robotics. This provides an opportunity for students to combine computer programming with mechanical and tangible outputs. Students will learn how to program the LEGO Mindstorm robots using RobotC software and explore multiple engineering disciplines using the Tetrix hardware. The class will work collaboratively while emphasizing critical thinking, team building skills and student driven instruction. Students will work hands-on in both a computer programming lab and a technology materials processing lab. They will design, construct, program and test various robotic activities. The activities and opportunities align with preparation for multiple engineering fields and engineering career patterns.

4610 SY-STEM ROBOTICS 2: Drones

Year, 1 Credit, 1 Period

Prerequisites: Introduction to Computer Programming, SY-STEM Robotics OR instructor approval.

Recommended for: Sophomores, juniors, seniors who are interested in taking Robotics Design and Engineering

Description: This course introduces students to Arduino-C as a programming language, progressively culminating in greater proficiency in Arduino-C Drone programming. Additionally, the application of aerodynamics in flight, material, composition, structural design, reverse engineering, advanced tooling and machining, 3D drone frame and parts design and 3D printing, will provide students the opportunity to apply their computer programming knowledge for automation. The final project of the course is for students to design, 3D print, program, test and fly their own drone. Through the use of flight simulation with First Person View (FPV) Drone Piloting software, students will be able to prepare for drone flight testing and applications. Upon completion of the course, students will be prepared to take the FAA Aeronautical Knowledge Test to earn Drone Pilot Certification.

7520 ROBOTICS DESIGN AND ENGINEERING

Year, 1 Credit, 1 Period

Prerequisites: Design and Drawing for Production (7620) or Sy-Stem Robotics 4600

Recommended for: Grades 10-12

Description: Students will learn the basics of designing, building and programming a robotic device to meet specific design criteria. This class uses the FIRST Tech Challenge as an inspiration. The competition includes autonomous and operator controlled operation in tournament style matches (via PlayStation style controllers using Bluetooth for communication). Course topics will include mechanical systems, electrical systems, elements of structures, motion control, programming, and radio communication. Student teams will develop strategies working in a competitive, fun environment.

7834 WOODWORKING TECHNOLOGY– ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Grades 9-12

Description: Students will learn techniques in basic and advanced wood joinery and finishing. They will learn to use power and hand tools and a computer aided device to manufacture wood products they design. Students will have the opportunity to work in the new technology lab that is equipped with a computer aided manufacturing device.

7820 COLLEGE ENGINEERING

(SUNY Stony Brook course ENG 100)

Year, 1 Credit, 1 Period

Prerequisites: Open to juniors and seniors that have successfully completed Algebra 2 and are registered for (or have completed) Physics

Recommended for: Students considering an engineering major in college

Expenses: Tuition for three college credits (\$300.00 for three credits)

Description: This full year College Engineering course will allow students to explore engineering while earning three credits at SUNY Stony Brook (ENG 100). College Engineering presents an overview of the development and application of engineering principles in response to social, industrial, and environmental problems from ancient times to the present (STEM). It

utilizes engineering methods and theory through prototyping, case studies and current real-world applications. Students will utilize creativity and problem-solving techniques while participating in classroom simulated projects as well as analyzing past engineering disasters. Students will be given a chance to think, create, develop and communicate as future engineers of the 21st century.

7830 COLLEGE NANOTECHNOLOGY

(SUNY Stony Brook course EST 213)

An Introduction to Interdisciplinary Studies in Nanotechnology

Year, 1 Credit, 1 Period

Prerequisites: Open to juniors and seniors who have successfully completed Trigonometry and Chemistry and are registered for (or have completed) Physics

Recommended for: This course is for 11th and 12th graders who are considering engineering as a major in college.

Expenses: Tuition for three college credits. (\$300.00 for three credits)

Description: The emerging field of nanotechnology develops solutions to engineering problems by taking advantage of the unique physical and chemical properties of nanoscale materials. This course introduces materials and nanofabrication methods with applications to electronic, biomedical, mechanical, and environmental engineering. A class project will involve ethics, toxicology, economic, and business implications of nanotechnology. Basic concepts in research and design methodology and characterization techniques will be demonstrated as well as the tools used to develop nanotechnology. This course will also explore the improvements offered by nanotechnology in various technologies as hydrogen fuel cells, solar power, electrical batteries, and structures.

THEATRE ARTS PROGRAM

1820 Acting 1
1830 Acting 2
1660 Acting 3
8120 Dance 1
1880 Dance 2
1890 Dance 3
1690 Dance 4
1440 College Theatre and Production
1624 Public Speaking – A lt.
6480 Stagecraft I
6474 Stagecraft I – Alt.
6490 Stage Design & Production
6494 Stage Design & Production – Alt.

**PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF
SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.**

Gene Connor 364-5709

THEATRE ARTS PROGRAM

The courses and performance opportunities offered by the Theatre Arts Program are designed to meet the needs, interests, and talents of senior high school students. They present opportunities to study Theatre Arts from a technical aspect, and to develop self-expression and appreciation through participation in the various theatrical productions.

To earn a Regents diploma with advanced designation using a five-unit Theatre Arts sequence, the student must complete at least one credit in a performance based class such as acting, musical theatre or theatre dance. The remaining units may be earned in any course in the Theatre Arts Program. Graduation honors must include advanced dance or college theatre and production as well as fulfillment of normal honors criteria.

A significant requirement of the various performance-based classes is that students participate in some capacity with the theatrical productions offered by the program each semester.

Students who plan to specialize in theatre arts or theatre arts education as a career should complete the five-unit sequence but also participate extensively in the theatrical productions. In addition, it is highly recommended for these students to enroll in the College Theatre and Production course.

*ALL PERFORMANCE-BASED COURSES FULFILL THE ONE UNIT REQUIREMENT IN THE ARTS FOR HIGH SCHOOL GRADUATION.

The performance-based core courses for the Theatre Arts Program are as follows:

*Acting 1
Acting 2
Acting 3
Dance 1
Dance 2
Dance 3
Dance 4
College Theatre and Production
Non-Performance Courses:
Public Speaking
Stagecraft
Stage Design and Production*



1820 ACTING 1

Year, 1 Period, 1.0 Credit

Prerequisite: None

Recommended for: Students in grades 9 through 12 who are interested in the performing arts. This class fulfills the required arts credit for graduation. **(This course does not fulfill 12th year English requirement.)**

Description: Acting 1 offers students experience in various phases of drama including oral interpretation, acting and play production. Students study the basic techniques needed to create a character including vocal production, physical acting, improvisation, script analysis and stage combat. In addition, students will work individually and in groups selecting, rehearsing, and performing scenes from plays. Students experience theatre as actors and directors. The year culminates in the performance of selected scenes for an invited audience as part of the Theatre Arts concert.

1830 ACTING 2

Year, 1 Period, 1.0 Credit

Prerequisite: Satisfactory completion of Beginning Acting or approval of the instructor.

Recommended for: Students in grades 10-12 who are interested in the performing arts. This class fulfills the required arts credit for graduation. **(Does not fulfill 12th year English requirement)**

Description: This course is a continuation of the acting sequence. It offers more in-depth instruction in acting technique, including practical application and refinement of techniques via more challenging materials. Students study the “techniques” of various acting teachers such as Stanislavski, Chekov, Strasberg, Adler, Meisner, applying elements of these styles into scenes from the appropriate time period. The year culminates in the performance of selected scenes for an invited audience as part of the Theatre Arts concert.

1660 ACTING 3

Year, 1 Period, 1.0 Credit

Prerequisite: Satisfactory completion of Acting 1 and Acting 2 or approval of the instructor

Recommended for: Students in grades 11-12 who are interested in the performing arts particularly for students wishing to complete a major sequence in the Theatre Arts. This class fulfills the required arts credit for graduation. **(This course does not fulfill 12th year English requirement.)**

Description: Students in this course delve even further into the art of acting as they investigate various forms of world drama including Kabuki, Bunraku, Sanskrit, Commedia dell'Arte, and Native American storytelling. Further units of study include Children's Theatre, Reader's Theatre/Chamber Theatre, Directing and Stage Combat. The year culminates in the performance of selected scenes for an invited audience as part of the Theatre Arts concert.

8120 DANCE 1

Year, 1 Period, 1.0 Credit (0.5 Credit for Physical Education and 0.5 Credit for the Arts)

This course fulfills the arts requirement for graduation.

Prerequisite: None

Recommended for: Students in grades 9-12 who are interested in dance performance

Description: This is a beginning dance course open to students in grades 9-12. Basic elements of dance are covered in this course with an emphasis on jazz and contemporary styles. Students are required to learn the basic positions of dance and incorporate these positions and techniques to combinations introduced in class. This course is required for any student interested in pursuing the dance sequence towards graduating with Theatre Arts honors. The year will culminate in the performance of a choreographed work for an invited audience as part of the Theatre Arts concert. It also fulfills the physical education requirement for the year.

1880 DANCE 2

Year, 1 Period, 1 Credit (0.5 Credit for Physical Education and 0.5 credit for the Arts)

This course fulfills the Arts requirement for graduation.

Prerequisites: Satisfactory completion of Dance 1 or instructor approval

Recommended for: Students in grades 10-12 who are interested in dance performances

Description: This full year course is a continuation of the skills that were taught in Dance 1.

Students will progress from the basic positions to more challenging technical aspects of dance. Although a large focus of this class is lyrical and modern dance, students also study more difficult jazz and contemporary choreography. Students apply these techniques to more challenging choreography and are required to work together to create choreographic works of their own. The year will culminate in the performance of a choreographed work for an invited audience as part of the Theatre Arts concert. This course also fulfills the physical education requirement for the year.

1890 DANCE 3

Year, 1 Period, 1 Credit (0.5 Credit for Physical Education and 0.5 credit for the Arts) This course fulfills the Arts requirement for graduation.

Prerequisites: Satisfactory completion of Dance 1 and 2 or instructor approval

Recommended for: Students in grades 10-12 who are interested in continuing their dance performance studies

Description: This full year course is a continuation of the skills that were taught in Dance 1 and 2. Students will build on the techniques to perform more challenging technical aspects of dance. The course largely focuses on how dance relates to theatre and on how to achieve a desired effect on the audience. Lyrical and modern dances are essential elements of the course as well as more difficult jazz and contemporary choreography. Students' choreograph works throughout the year. The year culminates in the performance of a choreographed work for an invited audience as part of the Theatre Arts concert. This course also fulfills the physical education requirement for the year.

1690 DANCE 4

Year, 1 Period, 1 Credit (0.5 Credit for Physical Education and 0.5 credit for the Arts) This course fulfills the Arts requirement for graduation.

Prerequisites: Satisfactory completion of Dance 1-3 or instructor approval

Recommended for: Students in grades 10-12 who are interested in continuing their dance performance studies. This course is required for those students wishing to receive Theatre Arts honors in dance performance.

Description: This course is a continuation of the dance sequence. It focuses on dance performance techniques with an emphasis on choreography from various genres. Activities include choreographing individual audition pieces and incorporating more sophisticated elements such as dynamics, phrasing, musicality, expression, and dance artistry. The culminating activity is the staging of an original dance piece. The year culminates in the performance of a choreographed work for an invited audience as part of the Theatre Arts Concert. This course also fulfills the physical education requirement for the year.

1440 COLLEGE THEATRE AND PRODUCTION

Year, 1.0 Credit, 1 Period

Prerequisite: Theatre production or instructor approval

Recommended for: Grade 12 students

Expenses: A \$300 registration and transcript processing fee

Description: College Theatre is a 4 credit course sponsored by Five Towns College. The first semester focuses on the history and evolution of, as well as playwrights, technicians, and actors responsible for its growth and change. The second semester, which includes a lab, centers on play production. After consultation and assignment of responsibilities by the instructor, students will work on specific areas of interest. Some areas of interest include house manager, stage manager, acting, stage crew, business manager, and producer.

1624 PUBLIC SPEAKING – ALT.

Year, 0.5 Credit, 1 Period on Alternate Days

Recommended for: 9th, 10th, 11th, and 12th graders

Description: This course is designed to help students become more comfortable and effective as both speakers and listeners. Assignments include the delivery of impromptu, informative and persuasive speeches, as well as story telling, interviews, debates, and other group work. The aim is to develop communication skills that contribute positively to each student's personality.

6480 STAGECRAFT I

Year, 1.0 Credit, 1 Period

AND

6474 STAGECRAFT I – ALT.

Year. 0.5 Credit, 1 Period on Alternate Days

Prerequisites: None

Recommended for: Students who want to learn hand puppetry, robotic puppetry, mask making, stage prop design, and lighting design for theatre. Students taking Theatre Production are also encouraged to take this course. This course can count toward a theatre program sequence.

Description: Students design and construct hand controlled and robotic puppets, masks, and stage props, as well as design and control the lighting for student theatre productions.

6490 STAGE DESIGN & PRODUCTION

Year, 1.0 Credit in Art, 1 Period

AND

6494 STAGE DESIGN & PRODUCTION - ALT.

Year. 0.5 Credit in Art, 1 Period on Alternate Days

Prerequisites: Stagecraft recommended

Required for: Three-year sequence in theatrical productions

Recommended for: Students interested in designing and constructing theatrical sets

Description: This course offers students experience and training in set design and construction including design of stage scenery and props, lighting considerations, and set construction. Students will learn to collaborate with producers and directors to understand the needs of a production. Students will construct the actual sets for use in various high school productions.

WORLD LANGUAGES

5140 American Sign Language 1
5150 American Sign Language 2
5240 American Sign Language 3
5020 French 2
5030 French 3
5040 French 4
5050 French 5
5070 French 2 Honors
5080 French 3 Honors
5090 French 4 Honors
5000 Advanced Placement French
5320 Italian 2
5330 Italian 3
5340 Italian 4
5350 Italian 5
5290 Italian 2 Honors
5380 Italian 3 Honors
5390 Italian 4 Honors
5300 Project Advance Italian
5180 Advanced Placement Italian
5250 Japanese 1
5260 Japanese 2
5270 Japanese 3
5280 Japanese 4
5110 Latin 1
5120 Latin 2
5160 Latin 3
5190 Latin 4
9490 Exploring Latin
5210 Russian 1
5220 Russian 2
5230 Russian 3
5420 Spanish 2
5430 Spanish 3
5440 Spanish 4
5450 Spanish 5
5470 Spanish 2 Honors
5480 Spanish 3 Honors
5490 Spanish 4 Honors
5130 Project Advance Spanish
5400 Advanced Placement Spanish
5200 Introduction to Mandarin Chinese

PRIOR APPROVAL MUST BE GRANTED FOR ANY COURSE TAKEN OUTSIDE OF SYOSSET HIGH SCHOOL FOR THE PURPOSE OF ACCELERATION.

COORDINATOR OF WORLD LANGUAGES

Dr. David Balsamo 364-5751

TYPICAL PROGRESSION OF WORLD LANGUAGES COURSES

GRADE 6	GRADE 7	GRADE 8	GRADE 9	GRADE 10	GRADE 11	GRADE 12
French 6	French 7	French 1-8 (A)	French 2 French 2H	French 3 (B) French 3H (B)	French 4 French 4H	French 5 French AP
Spanish 6	Spanish 7	Spanish 1-8 (A)	Spanish 2 Spanish 2H	Spanish 3 (B) Spanish 3H (B)	Spanish 4 Spanish 4H	Spanish 5 Spanish AP Spanish SUPA
Italian 6	Italian 7	Italian 1-8 (A)	Italian 2 Italian 2H	Italian 3 (B) Italian 3H (B)	Italian 4 Italian 4H	Italian 5 SUPA Italian AP Italian

COURSE INDICATORS:

(A) = CHECKPOINT A EXAM

H = HONORS

(B) = CHECKPOINT B EXAM

AP = ADVANCED PLACEMENT

Russian 1	Russian 2	Russian 3 (B)	
Latin 1 Exploring Latin	Latin 2	Latin 3 (B)	Latin 4
Japanese 1	Japanese 2	Japanese 3 (B)	Japanese 4
American Sign Language	American Sign Language 2	American Sign Language 3 (B)	American Sign Language 3 (B)
Introduction of Mandarin Chinese			

Other pathways may be best for some students. Students should discuss academic plans with their teacher, guidance counselor, and department coordinator.

WORLD LANGUAGES

In addition to developing communication skills in another language, Syosset's World Language Department works to inspire joy, cultural literacy and global awareness in our students. Learners build proficiency in the target languages and become better communicators in English, as well. Teachers create environments and experiences that engage students in the work of language learning. We encourage the ongoing development of proficiency, from the novice through advanced levels. We hope to inspire our students to be lifelong learners of the target languages.

Syosset's World Language Department creates opportunities for students to use their language skills in real-world contexts. We offer a breadth of language choices, with pathways to success for all learners. Teachers lead efforts to collaborate and grow our program, along with support from administrators, the community and parents. Our instruction and assessments align with our vision.

The World Languages program at Syosset follows the New York State syllabus for Languages Other Than English and the American Council on the Teaching of Foreign Languages (ACTFL) World Readiness Standards and Proficiency Guidelines. The New York State curriculum includes three checkpoints along the proficiency continuum. Checkpoints A (8th grade), B (10th grade), and C (12th grade). Students' skills build as they progress from one level to the next.

Studying a World Language is a critical part of a student's high school academic experience and an important part of being an educated global citizen. It is also noted that studying a foreign language throughout high school is an essential part of a developing a favorable profile for college admissions. Taking a language class during all four years of high school is as important as consistently studying any other core discipline. Since language learning is cumulative in nature, it is best to study the same language throughout high school and beyond. Students choose among studying Chinese, French, Italian or Spanish beginning in 6th grade. In general, students continue in the same language at the high school. Switching to a different language requires the approval of the World Language Coordinator.

New York State Regents Diploma Requirements

One (1) high school credit is earned by passing the Checkpoint A Exam at the end of the eighth grade. If a student does not take the Checkpoint A Exam, he/she must pass one year of a high school World Language in order to meet minimum graduation requirements.

New York State Regents Diploma with Advanced Designation Requirements

Regents Diploma with Advanced Designation candidates must successfully complete a sequence of 3 units of credit **AND** pass a Checkpoint B Exam in a World Language, which is given at the end of Level 3 of each language.

STUDYING MULTIPLE LANGUAGES

We also offer the following languages (in addition to French, Italian and Spanish): American Sign Language (ASL), Japanese, Latin, Mandarin Chinese (for seniors only), and Russian. Many students choose to study multiple languages at Syosset High School by adding one of the above languages to their program. Studying multiple languages provides an even broader linguistic experience to students and is viewed favorably in the college admissions process.

NEW YORK STATE SEAL OF BILITERACY

Students who attain an intermediate-high level of proficiency in a world language and English may be eligible for the New York State Seal of Biliteracy (NYSSOB), which is part of a national effort to recognize students who are literate in English plus another language. The seal is placed on a student's graduation diploma and it indicates their language skills to colleges and employers. Students who are candidates for the NYSSOB demonstrate their skills in a number of ways, including a project which is completed during senior year. This is a wonderful goal to work toward!

FINAL EXAMINATIONS

Course final examinations or alternative assessment evaluations are given in all courses other than Level 3 courses which culminate with a Checkpoint B Exam.

HONORS LEVEL WORLD LANGUAGE COURSES

Honors-level language courses are demanding and meant for students who are highly motivated language learners. Honors coursework requires students to work well independently, be intrinsically motivated, and dedicate time and effort outside of class. Honors courses are accelerated and enriched, meaning students are expected to learn and use more language in a shorter amount of time. The entire Level 2 curriculum is taught in 9th grade, and the entire Level 3 curriculum is taught in 10th grade. Students registering for French, Spanish or Italian 2 Honors in 9th grade, should have excellent grades, and their teacher's recommendation. Continuing in the program requires consistent effort, sustained motivation and ongoing interest in the target language and culture.

ADVANCED PLACEMENT COURSES

Advanced Placement courses in French, Spanish and Italian are taken in 12th grade by students enrolled in the Honors Program. Students are reminded that A.P. courses are very demanding. All students enrolled in an A.P. course are required to pay for and take the corresponding A.P. examination in May.

5020 FRENCH 2

Full Year, 1 Credit, 1 Period

Prerequisite: Passing grade in Middle School French

Required for: Sequence leading to Regents Diploma with Advanced Designation

Recommended for: Grade 9

Description: This course provides an in-depth study of the Level 2 curriculum. The four language skills (listening, speaking, reading, and writing) are developed at NYS Checkpoint B proficiency levels. Students learn French grammar and syntax in context.

5030 FRENCH 3 (Checkpoint B Exam)

Full Year, 1 Credit, 1 Period

Prerequisite: Passing grade in French 2

Required for: Sequence leading to Regents Diploma with Advanced Designation

Recommended for: Grade 10

Description: Students study the Level 3 curriculum and develop greater proficiency in the four language skills. In addition, students will gain better insight of the target culture and its people through the study of authentic materials. The final examination in this course is the French Checkpoint B Exam.

5040 FRENCH 4

Full Year, 1 Credit, 1 Period

Prerequisites: Passing grade in French 3 or World Language Coordinator's approval

Recommended for: Grade 11

Description: Improvement of oral proficiency skills and development of a deeper appreciation of cultural differences through a variety of topics as described in the New York State Syllabus for Checkpoint C of language study.

5050 FRENCH 5

Full Year, 1 Credit, 1 Period

Prerequisite: Pass French 4 or the World Language Coordinator's approval

Recommended for: Grade 12

Description: Improvement of oral proficiency skills and development of a deeper appreciation of cultural differences through a variety of topics as described in the New York State Syllabus for Checkpoint C of language study.

5070 FRENCH 2 HONORS

Full Year, 1 Credit, 1 Period

Prerequisites: "A" average or higher in Middle School French and teacher recommendation

Required for: Sequence leading to Regents Diploma with Advanced Designation

Recommended for: Grade 9

Description: This course provides a rigorous and in-depth study of the Level 2 curriculum. The four language skills (listening, speaking, reading, and writing) are developed at NYS Checkpoint B proficiency levels. Students also are expected to master a great deal of French grammar. This course is meant for students who have a special talent for language learning.

5080 FRENCH 3 HONORS (Checkpoint B Exam)

Full Year, 1 Credit, 1 Period

Prerequisites: B+ average or higher in French 2 Honors and teacher recommendation

Required for: Regents Diploma with Advanced Designation

Recommended for: Grade 10

Description: This course provides a rigorous and in-depth study of the Level 3 curriculum. The four language skills are developed to exceed NYS Checkpoint B proficiency levels. Students also are expected to master a great deal of French grammar. This course is meant for students who have a special talent for language learning. The final examination is the French Checkpoint B Exam.

5090 FRENCH 4 HONORS

Full Year, 1 Credit, 1 Period

Prerequisites: B+ average or higher in French 3 Honors and teacher recommendation

Required for: Students who wish to take A.P. French

Recommended for : Grade 11

Description: This course is designed for students who are committed to additional in-depth language learning through Checkpoint C. The course nurtures the four basic language skills: speaking, listening, reading, and writing. Particular emphasis is placed on the development of more advanced grammatical skills, spontaneous speaking and writing at length about a broad range of subjects.

5000 ADVANCED PLACEMENT FRENCH

Full Year, 1 Credit, 1 Period

Prerequisites: B+ average or higher in French 4 Honors and teacher recommendation

Recommended for: Grade 12

Expenses: Student expense for A.P. exam is approximately \$94.

Description: A.P. French is the culmination of the honors program in French. The goal of the course is to refine the skills needed to clearly and concisely express oneself orally and in written form in the language. This is achieved through literature, cultural studies, listening exercises, essay writing, debate, and discussion. Students are required to sit for the A.P. exam.

5140 AMERICAN SIGN LANGUAGE 1

Full Year, 1 Credit, 1 Period

Prerequisite: None

Recommended for: Grades 10-12

Description: ASL is the language used by most Deaf Americans and Canadians. The main goal of learning ASL is to be able to communicate with Deaf people. Students will learn signs, phrases, finger spelling (the manual alphabet), facial expressions, and body movements. Communication skills will be stressed through conversations, signed stories and songs. Topics are those described in the New York State Syllabus for Checkpoint A. Students will also learn about issues concerning Deaf culture.

5150 AMERICAN SIGN LANGUAGE 2

Full Year, 1 Credit, 1 Period

Prerequisite: Passing grade in ASL 1

Description: Designed to develop and strengthen the receptive, expressive, and interactive language skills of American Sign Language. Students will continue the study of topics listed in the first half of Checkpoint B as described in the New York State Syllabus.

5240 AMERICAN SIGN LANGUAGE 3 (Checkpoint B Exam)

Full Year, 1 Credit, 1 Period

Prerequisite: Passing grade in ASL 2

Recommended for: Grades 11 or 12

Continuation of the study of American Sign Language, including more vocabulary topics, structure, history, and issues pertinent to the deaf community. Students continue to learn to communicate with deaf individuals; they also learn how to express abstract concepts in ASL. The course includes receptive and expressive readiness activities, sign vocabulary, ASL grammatical structure, receptive and expressive finger spelling, conversational behaviors and various aspects of deaf culture. The final examination will be the Checkpoint B Exam in ASL.

5320 ITALIAN 2

Full Year, 1 Credit, 1 Period

Prerequisites: Passing grade in Middle School Italian

Required for: Sequence leading to Regents Diploma with Advanced Designation

Recommended for: Grade 9

Description: This course provides an in-depth study of the Level 2 curriculum. The four language skills (listening, speaking, reading, and writing) are developed at NYS Checkpoint B proficiency levels. Students learn Italian grammar and syntax in context.

5330 ITALIAN 3 (Checkpoint B Exam)

Full Year, 1 Credit, 1 Period

Prerequisites: Passing grade in Italian 2

Required for: Sequence leading to Regents Diploma with Advanced Designation

Recommended for: Grade 10

Description: Students study the Level 2 curriculum and develop greater proficiency in the four language skills. In addition, students will gain better insight of the target culture and its people through the study of authentic materials. The final examination is the Italian Checkpoint B Exam.

5340 ITALIAN 4

Full Year, 1 Credit, 1 Period

Prerequisite: Passing grade in Italian 3 or the World Language Coordinator's approval

Recommended for: Grade 11

Description: Student will attain greater proficiency in Italian through conversation and the reading of Italian texts. They will further develop appreciation of cultural differences through a variety of topics including literature, film and culture. Topics are based on the New York State syllabus for Checkpoint C.

5350 ITALIAN 5

Full Year, 1 Credit, 1 Period

Prerequisite: Passing grade in Italian 4 or the World Language Coordinator's approval

Recommended for: Grade 12

Description: Improvement of oral proficiency skills through conversation and development of a deeper appreciation of cultural differences through a variety of topics as well as film study, Italian literature and art history. Continues the second half of Checkpoint C.

5290 ITALIAN 2 HONORS

Full Year, 1 Credit, 1 Period

Prerequisites: "A" average or higher in Middle School Italian and teacher recommendation

Required for: Sequence leading to Regents Diploma with Advanced Designation

Recommended for: Grade 9

Description: This course provides a rigorous and in-depth study of the Level 2 curriculum. The four language skills (listening, speaking, reading, and writing) are developed at NYS Checkpoint B proficiency levels. This course is meant for students who have a special talent for language learning.

5380 ITALIAN 3 HONORS (Checkpoint B Exam)

Full Year, 1 Credit, 1 Period

Prerequisites: B+ average or higher in Italian 2 Honors and teacher recommendation

Required for: Regents Diploma with Advanced Designation

Recommended for: Grade 10

Description: This course provides a rigorous and in-depth study of the Level 3 curriculum. The four language skills are developed to exceed NYS Checkpoint B proficiency levels. Students also are expected to master a great deal of Italian grammar. This course is meant for students who have a special talent for language learning. The final examination is the Italian Checkpoint B Exam.

5390 ITALIAN 4 HONORS

Full Year, 1 Credit, 1 Period

Prerequisites: B+ average or higher in Italian 3 Honors and teacher recommendation

Required for: A.P. Italian

Recommended for: 11th graders

Description: Designed for students who are committed to in-depth language learning through Checkpoint C. While nurturing the four language skills, particular emphasis is placed on the development of more advanced grammar, spontaneous speaking, and writing at length about a broad range of subjects as well as reading classical Italian literature.

5300 PROJECT ADVANCE ITALIAN

Full Year, 1 Credit, 1 Period

Prerequisites: Italian 4 Honors and teacher recommendation

Recommended for: Grade 12

Expenses: Tuition of approximately \$448 (\$112 per credit) is paid directly to Syracuse University.

Description: Project Advance Italian is a course designed to further develop, strengthen and refine the skills acquired during the first three years of study. The course offers students a full review of Italian grammar together with the development of speaking and writing skills, and a consistent exposure to Italian language and culture. To achieve these goals, students engage in interactive oral activities, write weekly compositions, read and discuss a variety of authentic texts that include current events, cultural life, and literary selections. In addition, students will watch films, documentaries, and footage from Italian television which they will write about and discuss in class.

5180 ADVANCED PLACEMENT ITALIAN

Full Year, 1 Credit, 1 Period

Prerequisites: B+ average or higher in Italian 4 Honors, completion of placement exam, and teacher recommendation

Recommended for: Grade 12

Expenses: Student expense for A.P. exam is approximately \$94.

Description: A.P. Italian is the culmination of the honors program in Italian. The goal of the course is to refine the skills needed to clearly and concisely express oneself orally and in written form in the language. This is achieved through literature, cultural studies, listening exercises, essay writing, debate, and discussion. Students are required to sit for the A.P. exam.

5250 JAPANESE 1

Full Year, 1 Credit, 1 Period

Prerequisites: None

Required for: Sequence leading to Regents Diploma with Advanced Designation

Recommended for: Grades 9-12

Description: Introduces students to the Japanese language. Students develop listening, speaking, reading, and writing skills through the communicative approach. They will also be introduced to the cultural differences between the U.S. and Japan.

5260 JAPANESE 2

Full Year, 1 Credit, 1 Period

Prerequisites: Passing grade in Japanese 1

Required for: Sequence leading to Regents Diploma with Advanced Designation
Description: Japanese 2 builds on what was learned in Japanese 1. Japanese 2 students master the Hiragana and Katakana syllabaries and are introduced to at least a hundred Kanji (Chinese characters). Students will also be introduced to more complex sentence structure.

5270 JAPANESE 3 (Checkpoint B Exam)

Full Year, 1 Credit, 1 Period

Prerequisites: Pass Japanese 2

Required for: Sequence leading to Regents Diploma with Advanced Designation

Description: Japanese 3 builds on what students have learned in previous levels. The course will emphasize everyday conversation. And students will learn hiragana, katakana, and kanji, which are essential for reading Japanese. The course will also include various cultural enrichment activities. The final examination in this course is the Checkpoint B Exam.

5280 JAPANESE 4

Full Year, 1 Credit, 1 Period Daily

Prerequisite: Pass Japanese 3

Description: This course is for students who wish to study Japanese beyond the Checkpoint B level. Students will further develop their listening, speaking, reading, and writing skills and gain a more in depth knowledge of the Japanese culture.

5110 LATIN 1

Full Year, 1 Credit, 1 Period

Prerequisites: None.

Required for: Sequence leading to Regents Diploma with Advanced Designation

Recommended for: Grades 9-12

Description: This course develops communicative skills in Latin and English. It includes Latin translation, Greco-Roman history, culture and mythology and a comprehensive English vocabulary study based on Latin roots, prefixes and suffixes.

5120 LATIN 2

Full Year, 1 Credit, 1 Period

Prerequisites: Passing grade in Latin 1

Required for: Sequence leading to Regents Diploma with Advanced Designation

Description: This course develops and strengthens Latin communication skills through readings in culture, mythology and history. This course continues to augment English vocabulary and language skills through a direct study of bases, prefixes, suffixes and derivatives.

5160 LATIN 3 (Checkpoint B Exam)

Full Year, 1 Credit, 1 Period

Prerequisites: Passing grade in Latin 2

Required for: Sequence leading to Regents Diploma with Advanced Designation

Description: This course focuses on the reading of authentic Latin by writers such as Cicero and Caesar. It continues the study of Roman history, mythology, and culture. Attention to English language skills and vocabulary emphasized. The course prepares the student to pass the Checkpoint B Exam.

5190 LATIN 4

Full Year, 1 Credit, 1 Period

Prerequisites: Passing grade in Latin 3

Description: Latin 4 follows national as well as New York State standards for achievement in Latin. Students translate selected Latin authors from their original forms. Emphasis is placed on reading original Latin. Students study Roman history and culture in depth. There is continuous study of English vocabulary through Latin. Students take a midterm and final exam. This class includes material that greatly assists those who plan to take the SAT II Latin subject test.

9490 EXPLORING LATIN

Full Year, 1 Credit, 1 Period

Co-Requisite: Special Education students or permission by World Languages and Special Education coordinators

Recommended for: Special Education students who have not fulfilled the World Languages proficiency requirement

Description: The course of study covers many areas including Ancient Roman and Greek history, mythology and culture. The study of the English language is done through Latin roots and common phrases. Projects are used during the year to enhance student interaction and assess knowledge of topics taught. Note that Exploring Latin fulfills the one credit of language required for graduation.

5210 RUSSIAN 1

Full Year, 1 Credit, 1 Period

Prerequisites: None

Required for: Sequence leading to Regents Diploma with Advanced Designation

Recommended for: Grades 9-12

Description: Students develop Checkpoint A level proficiency in Russian, including speaking, listening, reading, and writing skills. The course is taught through a communicative approach with emphasis on topical vocabulary. Students will become familiar with the Cyrillic alphabet as well as the cultural of Russia.

5220 RUSSIAN 2

Full Year, 1 Credit, 1 Period

Prerequisites: Passing grade in Russian 1 or permission of the instructor

Required for: Sequence leading to Regents Diploma with Advanced Designation

Description: Designed to strengthen the speaking, reading, listening, and writing proficiencies acquired in Russian 1. Students will be exposed to different aspects of Russian culture. Emphasis will be on a topical approach to vocabulary structure, and literature in order to achieve effective communication.

5230 RUSSIAN 3 (Checkpoint B Exam)

Full Year, 1 Credit, 1 Period

Prerequisite: Passing grade in Russian 2 or permission of the instructor

Required for: Sequence leading to Regents Diploma with Advanced Designation

Description: Develops students' communicative proficiency in preparation for a Checkpoint B Exam in Russian. Students will achieve proficiency as outlined in the N.Y.S. syllabus. Speaking, reading, listening, and writing will be taught in a communicative approach.

5420 SPANISH 2

Full Year, 1 Credit, 1 Period

Prerequisites: Passing grade in Middle School Spanish

Required for: Sequence leading to Regents Diploma with Advanced Designation

Recommended for: Grade 9

Description: This course provides an in-depth study of the Level 2 curriculum. The four language skills (listening, speaking, reading, and writing) are developed at NYS Checkpoint B proficiency levels. Students learn Spanish grammar and syntax in context.

5430 SPANISH 3 (Checkpoint B Exam)

Full Year, 1 Credit, 1 Period

Prerequisites: Passing grade in Spanish 2

Required for: Sequence leading to Regents Diploma with Advanced Designation

Recommended for: Grade 10

Description: This course provides an in-depth study of the Level 3 curriculum. The four language skills (listening, speaking, reading, and writing) are developed at NYS Checkpoint B proficiency levels. In addition, students will gain better insight of the target culture and its people through the study of authentic materials. The final examination is the Spanish Checkpoint B Exam.

5440 SPANISH 4

Full Year, 1 Credit, 1 Period

Prerequisites: Pass Spanish 3 or Coordinator's approval

Recommended for: Grade 11

Description: Improvement of oral proficiency skills and development of a deeper appreciation of cultural differences through a variety of topics. Topics are based on the New York State syllabus for Checkpoint C.

5450 SPANISH 5

Full Year, 1 Credit, 1 Period

Prerequisites: Pass Spanish 4 or Coordinator's approval

Recommended for: Grade 12

Description: Improvement of oral proficiency skills and development of a deeper appreciation of cultural differences through a variety of topics. Topics change each year. Topics are based on the New York State syllabus for Checkpoint C.

5470 SPANISH 2 HONORS

Full Year, 1 Credit, 1 Period

Prerequisites: "A" average or higher in Middle School Spanish and teacher recommendation

Required for: Sequence leading to Diploma with Advanced Designation

Recommended for: Grade 9

Description: This course provides a rigorous and in-depth study of the Level 2 curriculum. The four language skills (listening, speaking, reading, and writing) are developed at NYS Checkpoint B proficiency levels. Students are expected to master a great deal of Spanish grammar. This course is meant for students who have a special talent for language learning.

5480 SPANISH 3 HONORS (Checkpoint B Exam)

Full Year, 1 Credit, 1 Period

Prerequisites: B+ average or higher in Spanish 2 Honors and teacher recommendation

Required for: Diploma with Advanced Designation

Recommended for: Grade 10

Description: This course provides a rigorous and in-depth study of the Level 3 curriculum. The four language skills are developed to exceed NYS Checkpoint B proficiency levels. Students are expected to master a great deal of Spanish grammar. This course is meant for

students who have a special talent for language learning. The final examination is the Spanish Checkpoint B Exam.

5490 SPANISH 4 HONORS

Full Year, 1 Credit, 1 Period

Prerequisites: A B+ average or higher in Spanish 3 Honors and teacher recommendation

Required for: Students who wish to take A.P. Spanish

Description: Designed for students who have just completed Spanish 3 Honors and who are committed to additional in-depth language learning through Checkpoint C. While nurturing the four basic language skills, particular emphasis is placed on the development of more advanced grammar, spontaneous speaking, and writing at length about a broad range of subjects.

5400 ADVANCED PLACEMENT SPANISH

Full Year, 1 Credit, 1 Period

Prerequisites: B+ average or higher in Spanish 4 Honors and teacher recommendation

Recommended for: Grade 12

Expenses: Student expense for A.P. exam is approximately \$94.

Description: A.P. Spanish is the culmination of the honors program in Spanish. The goal of the course is to refine the skills needed to clearly and concisely express oneself orally and in written form in the language. This is achieved through literature, cultural studies, listening exercises, essay writing, debate, and discussion. Students are required to sit for the A.P. exam.

5130 PROJECT ADVANCE SPANISH

Full Year, 1 Credit, 1 Period

Prerequisite: Completion of Spanish 4 Honors and teacher recommendation

Recommended for: Grade 12

Expenses: Students can earn four college credits for an approximate fee of \$112.00 per credit. The fee will be announced prior to registration.

Description: This is a proficiency-based course that reviews understanding of formal language structures, refines linguistic and communicative skills, and builds cultural awareness. Authentic cultural and literary texts are introduced. Topics are based on the New York State syllabus for Checkpoint C.

5200 INTRODUCTION TO MANDARIN CHINESE

Full Year, 1 Credit, 1 Period

Prerequisites: Open only to 12th graders who have already completed at least level 3 of another World Language

Description: Mandarin Chinese is the most widely spoken language in the world with nearly one billion speakers. This course is designed to introduce students to the Mandarin language and Chinese culture. A proficiency-based course, students will develop listening, speaking, reading, and writing skills. During the first part of the semester, students will study basic conversational vocabulary, tonality and the pinyin writing system. More advanced vocabulary and grammatical topics will follow as well as instruction in the Chinese writing system. Students will also study China's rich cultural history as well as its current position in the global community.

PROGRAMMING AND SCHEDULING NOTES

As seen from the contents of this manual, Syosset High School offers a broad curriculum designed to meet the needs and to satisfy the interests of its diverse student body. While every effort is made to schedule students with their first choice of courses, conflicts can occur because of the wide variety of offerings. To minimize potential problems, certain courses should be selected according to special procedures that are designed for the courses they need.

A. ALTERNATES

1. SENIORS must choose electives in both English and social studies to satisfy graduation requirements. In both subject areas, alternate courses must be selected for first choice courses. If the first choice cannot be scheduled, the alternate will be substituted. Therefore, care should be given to the selection of alternates as well as first choice electives.
2. JUNIORS and SENIORS must select an alternate course for their first choice physical education course.

B. R & W DAY (ALTERNATE DAY) COURSES

ANY STUDENT who has room for one alternate day course in his/her program besides physical education or science laboratory may choose any appropriate alternate day course.

Courses will be scheduled on an R & W basis according to student enrollment and the resulting number of sections provided.

The following is a list of alternate day courses:

Art:

- | | |
|------|------------------------------|
| 6114 | Foundations in Art 1 |
| 6124 | Foundations in Art 2 |
| 6234 | Art History |
| 6374 | Crafts |
| 6394 | Computer Art |
| 6264 | Advanced Computer Art |
| 6434 | Photo 1 |
| 6444 | Photo 2 |
| 6454 | Photo 3 |
| 6464 | Digital Photography |
| 6484 | Advanced Digital Photography |
| 6474 | Stagecraft 1 |
| 6494 | Stage Design & Production |

Business:

- | | |
|------|---------------------------------------|
| 5574 | Computer Applications |
| 5604 | International Business |
| 5644 | Entertainment & Restaurant Management |
| 5704 | Personal Finance |
| 5724 | Fashion Marketing |
| 5734 | Sports Marketing |
| 5744 | Entrepreneurship |
| 5824 | Investment Decision Making |
| 5864 | Computer Multimedia |

<u>English:</u>	1454 College Prep 1534 Journalism 1604 Advanced Writing Studio 1 1614 Advanced Writing Studio 2 1624 Public Speaking 1684 Creative Writing 9/10 1714 Introduction to TV Production 1724 Independent Video Production 1744 Introduction to Radio
<u>Human Ecology:</u>	7174 International Foods 7224 Fashion Workshop 7234 Advanced Fashion Workshop 7264 Developmental Psychology 7284 Psychology of Parenting 7344 Interior Design 7424 Project Advance Psychology
<u>Health:</u>	4724 Health Education 4734 College 101: Transition 4754 Physiology of Exercise 4764 Introduction to Athletic Training and Sports Medicine
<u>Mathematics:</u>	3684 Introduction to Computer Programming 3784 Advanced Computer Programming
<u>Music:</u>	6524 Commercial Music 6534 Improvising Music 6554 Recording for Musicians
<u>Social Studies:</u>	2704 Advanced Placement U.S. Government & Politics 2734 Advanced Placement Macro-economics 2744 Advanced Placement Micro-economics 2784 Advanced Placement Comparative Government & Politics
<u>Technology:</u>	7524 Construction Systems 7834 Woodworking Technology 7874 Consumer Auto 7884 Transportation Systems 7894 Advanced Consumer Auto 7954 Unique Projects

NOTE: Every effort will be made to schedule students with their first choice of courses. Some courses may not be offered due to under enrollment.

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