2014-2015

Registration Handbook

Prince Andrew High School

http://www.pahs.ednet.ns.ca

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Principal's Message

Welcome to Prince Andrew High School. This course selection booklet is designed to provide information on academic planning for grades 10 through 12. Students are strongly encouraged to seek guidance with their course selections from subject teachers, Guidance Counsellors, parents, etc. and make their selections based on their post-secondary pathway decisions, i.e.: employment, apprenticeship/trades, college or university.

Prince Andrew High School offers a wide variety of programs from which to choose including: O2, (Options and Opportunities), IB (International Baccalaureate), Coop Education, and Advanced level courses. Please consider these as you make your course choices for the 2014- 2015 school year.

It is important to be aware that the information you provide us with now is what will determine the courses offered for next year. Also, the choices that you make now will drive how we build the timetable for next year to maximize student choice. If you decide to change your selections at a later date, it will be much more difficult to get the classes you need as the timetable will be built specifically to accommodate the choices that you make now.

The staff at Prince Andrew High School takes pride in fostering a safe and positive environment for learning and believes that engaged students who are actively involved in a variety of school activities are more likely to be successful learners. At Prince Andrew, you can expect:

- ✓ Teachers who take an interest in students – as learners and as individuals
- ✓ A multitude of opportunities for initiative, responsibility and leadership
- ✓ Positive acknowledgement for effort and success in learning
- ✓ Encouragement to achieve "your personal best"
- ✓ Strong communication links between school and home
- ✓ A commitment to the learning of all students that includes a variety of learning experiences and instructional strategies

We are excited as a school that you will be a student at Prince Andrew High School for the 2014- 2015 school year. Along with the rest of the Prince Andrew staff I wish you all the best in your time here at Prince Andrew and am confident that the knowledge and skills that you acquire during your time here will enable you to enjoy success in your future.

Gregory J. MacKinnon
Principal

STUDENT SERVICES

Registration Procedures

1. Registration Times

Registration for all current non-graduating students will take place beginning in February. Registration is done through PowerSchool in consultation with your Guidance Counsellor.

2. Steps in Selecting Courses

It is important that each student follow the steps below in order to make the best selection of courses:

(a) Carefully read the course descriptions in this manual.
(b) Consult teachers and department heads regarding the content and method of instruction of the courses being considered.
(c) Most students have tentative plans for education programs after high school. Carefully check the entrance requirements for such programs. It is recommended that students see a counsellor. **Students are cautioned that it is possible to earn a high school certificate but not meet the admission requirements of the post-secondary program selected.**
(d) Students entering grades 10 or 11 should plan the courses to be taken during the remaining years in high school.

Use the Graduation Plan Progress page in PowerSchool to check your status regarding Graduation Progress.

IT IS THE STUDENT'S RESPONSIBILITY TO ENSURE THAT THE CERTIFICATE REQUIREMENTS ARE MET.

3. Credit Restrictions

Only one credit will be granted for two courses taken in the same subject at the same grade level. Example: Mathematics At Work 10 and Mathematics 10.

4. Mark Requirements for Course Registration

When registering for English, students are reminded that they must have passed the subject at the previous level. For example, you must pass English 10 to take English 11. Students wishing to take Grade 10 Mathematics or Math At Work 10 should have demonstrated satisfactory achievement of learning outcomes in grade 9 mathematics. Otherwise, they must choose Mathematics 10 Essentials.

5. Subject Failures

Subject failures in June may require students to change course registration. Re-registration will take place on the last day of school.

6. Withdrawal from a course

Students cannot withdraw from a course during the school year without proper authorization. If a student is authorized to be withdrawn from a course prior to the mid-term mark, no final mark will be assigned. If a student is authorized to be withdrawn after mid-term marks are assigned, a final mark of WD will be entered *permanently* on his/her transcript.

A student transcript of marks is confidential and information pertaining to the transcript will not be released to a third party without written permission from the student/graduate. Students/graduates must complete a transcript request form available from the Student Services Department or on the school website.

Transcripts are forwarded directly from the Student Services Office to an authorized third party. Unofficial transcripts may be released directly to students/graduates upon request. Applications to post-secondary institutions may be considered incomplete if an official transcript has not been forwarded from the high school.

7. Course Changes

Students and parents are reminded that staffing for first and second semesters is assigned on the basis of spring registration. There are no course changes with the following exception: a grade 12 student who requires a course change in order to be eligible to graduate or to apply to a post-secondary program may be allowed to do so if enrolment and scheduling allow.

8. New Student Registration Information

Please refer to the Student Registration link under Quick Links on the Halifax Regional School Board Website http://www.hrsb.ns.ca/

PLEASE NOTE THE FOLLOWING:

Grade 10: Students must register for 8 courses including English, Mathematics, Science, Fine Arts, & Physical Education.

Grade 11: Students must register for a minimum of 7 **courses**.

Grade 12: Students must register for a minimum of **6 courses**.

All Students must satisfy the following Requirements in order to obtain a Nova Scotia Department of Education High School Leaving Certificate.

(a) 18 credits

(b) The following thirteen compulsory courses must be included in the 18 credits:

Language, Communication, and Expression (4 credits)

*** English** (3 credits) one course at each grade level (10, 11 and 12)

*** Fine Arts** (1 credits) selected from Visual Art, Drama, Music or Dance

Science, Mathematics and Technology (6 credits)

*** Mathematics** (2)

*** Science** (2) one which must be selected from Science 10AC, Biology 11AC, Chemistry 11AC, or Physics 11AC.

*** Two Others** (2) selected from Science, Mathematics, Construction Technology 10, Exploring Technology 10, Business Technology 11, Communications Technology 11, Design 11, Electrotechnologies 11, Energy Power and Transportation 11, Production Technology 11, Business Technology 12, Computer Programming 12, Film and Video 12, Mathematics for the Workplace 12, Multimedia 12, and Production Technology 12.

Personal Development and Society (3 credits)

*** Social Studies** (2) one selected from Canadian History 11, African Canadian Studies 11 or Mi'kmaq Studies 10. The second must be either Global Geography 12 or Global History 12

*** Physical Education** (1) full credit selected from Physical Education 10, Physical Education 11, Dance 11, Physical Active Living 11, Yoga 11, Physical Education 12, or Physical Education Leadership 12.

(c) All students must take eight credits in their grade 10 year. However, only seven grade 10 level courses can be counted towards graduation requirements. It is strongly recommended that the eighth credit be from the grade 11 level.

(d) At least **five Grade 12 courses** must be included.

COURSE SELECTION ADVICE FOR STUDENTS

1. Carefully read all the **requirements** and **course descriptions** listed in this booklet.
2. Check with teachers and/or guidance counsellors to find out about specific course requirements - labs, lectures, projects, prerequisites, etc...
3. Determine which courses are necessary for your career path.
4. Select all courses needed to attain career goals.
5. Students who have not decided on a career path are advised to keep their options open.
6. When selecting courses, students are advised to constantly seek advice and information from a number of sources including; parents, subject teachers, school administration, advisors, and student services counsellors.

ALL STUDENTS WISHING TO ENROLL IN 24 COURSES ARE ENCOURAGED TO DO SO.

GRADE 10 REQUIREMENTS

In order to meet the requirements set down by the Department of Education all Grade 10 students will take a compulsory core of subjects. These compulsory subjects represent part of a sound, well-balanced program.

Students are advised to select optional courses carefully with an eye to a three year program. Bear in mind the importance of French as a second language in Canada, the critical role of technology in the present economy and the importance of career exploration as you make your choices.

Required:

English: English 10

Fine Arts: (choose at least 1 of the following)

- Visual Art 10
- Music: Music 10 - Instrumental Band
  or
  Music 11- Vocal
- Drama 10
- Dance 11

Mathematics: (choose 1 of the following)

- Mathematics 10 (Academic) (2 credits)
- Mathematics At Work 10 (Graduation)
- Mathematics 10 Essentials (Graduation)

Science: Science 10

Physical Education: (choose 1 of the following)

- Physical Education 10 F
- Physical Education 10 M
- Dance 11
- Physically Active Living 11

Optional Courses:

Career Development 10
Construction Technology 10
Core French 10
Exploring Technology 10
Learning Strategies 10
Mi'Kmaq Studies 10

Accounting 11
African Canadian Studies 11
Biology 11
Biology 11 Advanced
Business Technology 11
Canadian History 11
Child Studies 11
Dance 11
Design 11
Economics 11
Music 11 - Vocal

PSP COURSE DESCRIPTIONS

ACCOUNTING 11

ACC11AC.....Academic Course .....1 Credit

Accounting 11 is the first of two accounting courses designed to expose students who are planning on taking a business program at the university or Community College level to the fundamentals of the accounting process. The aims of the high school accounting program are:

- To develop an understanding of accounting principles and concepts encountered in business and personal activities
- To provide a sound foundation for additional study in accounting
- To help students become acquainted with the principles, applications and importance of data management in accounting procedures.

The following topics are covered in the introductory course: the accounting equation, business transactions, journalizing and posting, adjustments and closing entries, preparing financial statements and the complete accounting cycle for a merchandising firm.

Note: Meets Elective Requirements

AFRICAN CANADIAN STUDIES 11

ACS11.....Academic Course..... 1 Credit

This course qualifies as the Canadian History 11 graduation requirement.

The African Canadian Studies course focuses on the history of people of African descent in Canada. It is presented in a challenging, dynamic and interesting manner.

This course is designed to equip students with a sound understanding of the global experience, local achievements and contributions of Canadians of African descent. It uses the disciplines of geography, history, economics, political science and sociology to highlight the experiences, struggles and life stories of people of African descent who have contributed to world history. Students will demonstrate the skills used in history including academic research and writing, analysing source documents, identifying bias and historical perspectives and developing an understanding of historiography.

African Canadian Studies 11 will appeal to learners of all ethnic and racial backgrounds.

Note: Meets Canadian History Requirement

ASTRONOMY 12

ASTRON12.....Academic Course .....1 Credit

Recommended - pass in SCI10 AC, with strength in physics component; MAT11AC OR MAT11AD

Astronomy 12 is an introductory course in astronomy. The world's oldest science brings together the study of physics, chemistry and biology with history, philosophy and technology. Students will have the opportunity to examine the development of scientific ideas and gain a greater appreciation of our place in the universe. Student learning is assessed through observations, conversations and products using assessment tools like checklists, journals, assignments, labs, projects, presentations, quizzes, tests and exams.

Topics include: creation of the universe, solar system development, star chemistry, constellation cycles, planetary motion and Canadian contributions to space exploration.

Note: This course meets the **second** Science graduation requirement.

BIOLOGY 11

BIOL11.....Academic Course .....1 Credit

Biology 11 is an introductory course in biology. If students are interested in continuing in biological studies, this course provides a good basis for further work; if not, it provides a working knowledge of the biological world. Student learning is assessed through observations, conversations and products using assessment tools like checklists, journals, assignments, labs, projects, presentations, quizzes, tests and exams.

Topics include: matter and energy for life (the cell, interaction of cell structures, photo synthesis and respiration); biodiversity (classification and diversity of living things); maintaining dynamic equilibrium I (homeostasis, body systems – circulatory, respiratory, digestive, excretory, immune); and interactions among living things (biomes, population dynamics).

Note: This course meets the first or second Science graduation requirement.

BIOLOGY 12

BIOL12 .....Academic Course..... 1 Credit

This course may be taken in grade 11 or grade 12.

Biology 12 builds on the fundamental knowledge and skills acquired in Biology 11, while providing a more in depth exploration of various topics intended for students pursuing post-secondary biology. Student learning is assessed through observations, conversations and products using assessment tools like checklists, journals, assignments, labs, projects, presentations, quizzes, tests and exams.

Topics include: maintaining dynamic equilibrium II (nervous system: neurons and structure, influences on the nervous system, endocrine system: maintaining homeostasis, endocrine system: feedback mechanisms); reproduction and development (cell division, reproductive systems: regulation and technologies, embryonic differentiation and development); genetic continuity (molecular level, Mendelian genetics, implications); and evolution, change and diversity (evidence and mechanisms, implications).

Note: This course meets the first or second Science graduation requirement.

BUSINESS MANAGEMENT 12

BMT12AC.....Academic Course..... 1 Credit

The business management course includes the structure of Canadian businesses, principles of management, the functions of marketing, personnel, production, advertising and finance, as well as an overview of current trends in the Canadian economy and Canadian business management. It presents an overview of the different facets of business organizations in Canada in a managerial context, as well as how Canadian businesses interact in a global sense. Emphasis is placed on current issues, projects and case studies. Students are introduced to the types of environment in which managers must operate.

Note: Meets Elective Requirements

BUSINESS TECHNOLOGY 11

BTEC11 .....Academic Credit ..... 1 Credit

Business Technology 11 involves an introduction to business practices and concepts through technology. This course introduces students to a range of business productivity software tools and their applications (word processing, spreadsheets, and desktop publishing).

Business Technology 11 offers students the opportunity to develop a basic proficiency in touch keyboarding, integrate touch keyboarding skills with skills in document processing and design, create spreadsheets to manage data, apply the principles and practices of desktop publishing to design and produce documents, and become confident and purposeful users of business productivity software. The course consists of the following project-based modules: touch keyboarding, document processing, spreadsheets, desktop publishing, and business technology fundamentals (including personal

management, teamwork, social responsibility and ethics). Note: Meets Elective or Technology Requirements

BUSINESS TECHNOLOGY 12

BT12.....Academic Course .....1 Credit

Business Technology 12 is a computer technology course designed to provide students with the knowledge and skills necessary programs and personal or community endeavours. The course will emphasize the use of the to use the computer as a tool to augment academic computer as a learning tool, as a research tool and involve facilitation of report/letter writing, organization and manipulation of data, problem solving and presentation skills. The course will make extensive use of word processing, spreadsheet, database and presentation software as well as use of the Internet as a research tool. Students will also learn the components of a computer system and networks, and how to make informed purchasing decisions.

Note: Meets Elective or Technology Requirements

CANADIAN FAMILIES 12

CANFAM12.....Open Course .....1 Credit

The focus of this course concentrates on how the high school student fits into Canadian society, either living as an individual or in a family setting.

Topics for study will include: becoming independent, personal growth, lifestyles, Canadian families, heritage, parents, family health and crises, aging and death, financial management, family law, work and shelter, community resources, current trends and future

Note: Meets Elective Requirements

CANADIAN HISTORY 11

CHS11.....Academic Course .....1 Credit

This course qualifies as the Canadian History 11 graduation requirement.

This course considers the social, cultural and selected economic aspects of Canada. Related aspects of global and American history will be included, as well as the role of the Atlantic Provinces in Canadian events. Topics will also include the contributions and history of immigrants, African Canadians, native peoples and women. Students will demonstrate the skills used in history including academic research and writing, analysing source documents, identifying bias and historical perspectives and developing an understanding of historiography.

Note: Meets Canadian History Requirement

CAREER DEVELOPMENT 10

CD10.....Open Course .....1 Credit

This course focuses on developing students' abilities to communicate, think, and deal with their feelings. They will explore realistic personal goals, assess their own abilities, and realize how these actions will affect their learning and decision-making processes. They will develop awareness of their place in the community and the value to their personal growth of giving service to the community. The course is divided into five modules: personal development, career awareness, workplace readiness, financial management and LifeWork Portfolio. The LifeWork Portfolio is the tool provided to students so that they may start or continue to organize the artifacts of their significant achievements and life events and reflect on their meaning.

Note: Meets Elective Requirements

CHEMISTRY 11

CHE11.....Academic Course .....1 Credit

Recommended - pass in SCI10 AC, with strength in chemistry component; taking MAT11AC OR MAT11AD

Chemistry 11 aims to stimulate an interest in chemistry, to encourage students to think independently, to develop facility in analytical and logical thinking and to achieve a basic understanding necessary for further scientific studies. Emphasis is placed on proficiency in basic lab skills and on the application of knowledge, rather than on memorization. Student learning is assessed through observations, conversations and products using assessment tools like checklists, journals, assignments, labs, projects, presentations, quizzes, tests and exams.

Topics include: stoichiometry (the mole and molar mass, calculations and chemical equations, stoichiometric experimentation, applications of stoichiometry); from structures to properties (properties of ionic and molecular compounds and metallic substances, classifying compounds, bonding, structural models of bonding, bond energies, polar and pure covalent bonding); and organic chemistry (so many compounds, influences of organic compounds on society, classifying organic compounds, naming and writing organic compounds, application of organic chemistry, isomer in organic chemistry, writing and balancing chemical equations, polymerization, risks and benefits of organic compounds: STSE perspectives).

Note: This course meets the first or second Science graduation requirement.

CHEMISTRY 12

CHE12.....Academic Course..... 1 Credit

Recommended - pass in CHE11AC; pass in MAT11AC or MAT11AD

Chemistry 12 builds on the fundamental knowledge and skills acquired in Chemistry 11. Students have many opportunities to connect chemistry to technology, society, and the environment. Students further develop their technical writing and problem solving skills and learn how to read and interpret graphs and text. The main focus of the course is the mathematical application of regularities discovered through laboratory work. Student learning is assessed through observations, conversations and products using assessment tools like checklists, journals, assignments, labs, projects, presentations, quizzes, tests and exams.

Topics include: thermochemistry (thermochemistry STSE, experiments with energy changes, thermochemistry and potential energy, bonding and Hess's Law, science decisions involving thermochemistry); solutions, kinetics and equilibrium (concentration, properties and solubility, solubility and precipitates, kinetics and rate of reaction, collision theory, reaction mechanisms and catalysts, equilibrium, La Chatelier's principle and equilibrium constant, equilibrium applications); acids and bases (properties and definitions of acids and bases, acid/base reactions, using the equilibrium concept with acids and bases, indicators and acids and bases, acid/base titrations, H+,OH- and LeChatelier; and electrochemistry (oxidation and reduction, redox and half-reactions, electrochemical and electrolytic cells, redox reactions with standard reduction potentials, energy efficiency of cells).

Note: This course meets the first or second Science graduation requirement.

CHILD STUDIES 11

CHLDST11 ..... Open Course..... 1 Credit

This program is a full credit course dealing with responsible parenthood and the study of children. Topics include human reproduction, pre-natal and post-natal care, the developmental stages and needs of early childhood, responsibilities of parents including the role of the father, realistic expectations, childhood food and clothing needs and special concerns in child development. Practical experience and observation are essential components of the program with a minimum of a 12-15 hour practice in a variety of child care settings determined by the instructor and student needs and interests.

Note: Meets Elective Requirements

COMMUNICATIONS TECHNOLOGY 11

CMT11.....Academic Course..... 1 Credit

Communications Technology 11 is a course that involves using a hands-on approach to electronic, print and web communication

concepts for all grade 11 students. It provides all students with hands-on activities and introduces them to a broad spectrum of technological concepts, both in traditional media and new media. By the end of the course, students are able to use a range of technological tools, processes, and applications, integrate communications technology with other academic disciplines, design and create communication materials that solve technological problems, and explain the consequences of technology and how it affects society.

The course will cover two mandatory modules:

- Fundamentals of Communications Technology
- Photography

There will also be at least 3 of the following modules built into the course, which will be selected based on facilities and resources available:

- Technical Design
- Graphic Design
- Web Publishing
- Animation
- Broadcasting
- Video Production

Note: Meets Elective or Technology Requirements

COMPUTER PROGRAMMING 12

COMP12 .....Academic Course .....1 Credit

Computer Programming 12 is intended to prepare students interested in careers or further study in computer science in related applications of computers. Students will go beyond using existing computer applications to solve problems. They will develop computer programming skills to create applications solving specific problems. These applications will be developed by individuals and small groups using JAVA, JCreator and HTML and various other applications or languages. The final module will consist of working as a programming team to create a software solution to solve a client's problem using a variety of programming techniques and team dynamics to achieve a viable solution.

Note: Meets Elective or Technology Requirements

CONSTRUCTION TECHNOLOGY 10

CNT10.....Open Course .....1 Credit

This course is designed to develop an understanding of construction technology. This will be accomplished by exploring construction development, planning, tools, light construction, future developments and careers in a problem solving fashion. Activities will include Blue Print reading, surveying, foundations, guidelines to building construction, finish carpentry and CADD.

Note: Meets Elective or Technology Requirements

CO-OPERATIVE EDUCATION 11

COOPAC11.....Academic Course .....1 Credit

CO-OPERATIVE EDUCATION 12

COOPAC12.....Academic Course .....1 Credit

The Co-operative Education course is a career oriented course designed to integrate classroom theory with practical workplace experience.

Co-operative Education enables the student to explore a career area, gain valuable knowledge and experience, and develop/enhance necessary attitudes while earning a high school credit recognized by many post secondary institutions.

Co-op can be taken as a semestered or un-semestered course or even be taken in the summer. Students are required to complete a minimum of both 25 hours in school and 100 hours of community based/site training. Students engage in self-assessment exercises, learn career decision-making skills and job search strategies, while being exposed to current employment issues including but not limited to Health and Safety issues, Employment Insurance benefits, Canada Pension. They are expected to complete a professional portfolio (hard copy and digital), daily log/journal, reflective assignments, training plan and career plan.

Students are responsible to initiate a suitable 'out of class' placement that is directly connected to the field of their choice. Your coordinator has many placement suggestions for those students who do not have contacts. This component can take place during or after school hours, on weekends, and/or during vacations in accordance with board and school policies and agreed upon arrangements between the co-op coordinator, mentor (site supervisor), student and parent(s). The student placement is supported by a learning and evaluation plan jointly developed by the student, coordinator and mentor.

Co-operative Education is open to students 16 years of age or older. Student interns have been placed with private and public sector organizations such as dental offices, veterinary clinics, banks, construction companies, car dealerships, hotels and restaurants, police services, non-profit organizations – the opportunities are endless. Students who register for Co-op on the course selection form will be contacted and given an application that must be signed by their parent/guardian and another community member/school teacher reference. Each student will be required to attend a selection interview and will be informed of the decision prior to the end of the school year. Once accepted into the Coop program, the student is making a firm commitment to this course for the following year.

Note: Meets Elective Requirements

CORE FRENCH 10

FRE10.....Academic Course..... 1 Credit

Grade 10 French focuses on oral comprehension and developing basic oral communication skills. Students will spend a lot of classroom time listening to the instructor and responding to basic questions about their own lives, short texts they have read or films that they have watched. Students will develop more confidence using basic structures including regular verbs and many common irregular verbs.

Note: Meets Elective Requirements

CORE FRENCH 11

FRE11.....Academic Course..... 1 Credit

In the Grade 11 program students are challenged to further develop speaking and listening skills through group discussions and debates, problem-solving activities, interviews and presentations. Emphasis is placed on analyzing the form of the language and using language in meaningful contexts. New language structures are studied in the context of such themes as school life, career plans, the media, the arts, social and technological trends and recreation.

Note: Meets Elective Requirements

CORE FRENCH 12

FRE12.....Academic Course..... 1 Credit

French 12AC is a continuation of the FRE11AC program. Students are challenged to further develop speaking and listening skills through group discussions and debates, problem-solving activities, interviews and presentations. Emphasis is placed on analyzing the form of the language and using language in meaningful contexts. New language structures are studied in the context of such themes as school life, career plans, the media, the arts, social and technological trends and recreation.

Note: Meets Elective Requirements

DANCE 11

DAN11 .....Academic Course ..... 1 Credit

Dance 11 is an introductory course in dance, focusing on the personal growth of the student. Through extensive creative work in dance movement, individually and in groups, students will gain confidence as

they explore and communicate ideas in a wide range of dance forms. The emphasis is on the process of creating dance through improvisation, and presenting dance in various forms.

Dance 11 consists of four components: elements of movement, creation and composition, dance and society, and presentation and performance.

Note: Meets Elective, Fine Arts Requirements or Physical Education Requirement

DESIGN 11

DES11 .....Academic Course .....1 Credit

Students will be exposed to the fundamentals of design, including the principles of good design and the concept of creative inquiry as a design process. Students will use information technologies to develop solutions as individuals and as members of design teams. Working in a range of practical contexts students will explore their world to see how design plays a role in their daily lives. Using the principles of creative inquiry and the freedom to explore, students will look at existing design, historical principles of design and a variety of design methods and tools. Students will use the knowledge skill, and understanding developed during the discovery phase to construct and communicate aesthetic and technically ideas.

Note: Meets Elective or Technology Requirements

DRAMA 10

DRA10.....Academic Course .....1 Credit

Drama 10 is an introductory course focusing on the personal, intellectual, and social growth of the student. Drama 10 provides a foundation for future course work in Drama and Theatre. Through extensive work in both small and large groups, students gain confidence as they explore and communicate ideas, experiences, and feelings in a range of dramatic forms, such as dramatic movement and mime, dramatization, choral speech, group drama, improvisation, and scene work.

Drama 10 comprises four components: Foundation, Movement, Speech, and Theatre. The foundation component, which focuses on building student confidence and trust and creating a supportive learning environment, introduces students to the essential elements of movement and speech.
Experiences in movement and speech are extended and combined in the exploration of the various dramatic forms.

Note: Meets Elective or Fine Arts Requirements

DRAMA 11

DRA11.....Academic Course .....1 Credit

Drama 11 builds on learning experiences provided in Drama 10 and focuses on the students' personal development. Beginning with foundation experiences to develop student confidence and capability, the course allows students to explore movement and speech and to combine these in a greater range of dramatic forms. Selected dramatic forms are explored in depth for presentation.

Drama 11 emphasizes the process of creating script and bringing script to production. Students will create original scripts or theatre pieces from existing texts. They will also explore script using improvisation and other dramatic forms both to understand the original text and to create new script for performance.

The course also explores the elements of theatre production and the skills required for presentation or performance. Students will make and incorporate artistic choices regarding design elements, particularly with regard to lighting and sound, stage movement and blocking, and costume. Available technology will be used to facilitate the creation and production of a theatre piece.

Note: Meets Elective or Fine Arts Requirements

DRAMA 12 THEATRE ARTS

DRA12.....Academic Course .....1 Credit

Recommended - DRA10AC, DRA11AC, or approval of instructor.

Drama 12 Theatre Arts will allow students with previous background in developmental drama to further develop their skills in acting, directing, and writing. Students will also learn about production and stagecraft. Theatre Arts 12 students should have an experiential understanding of movement, voice, and character. Focus, concentration, and task completion are assets in this course. Students will be expected to read appropriate theatre materials to support the practical theatre work. Written reflections will complement theatre learning throughout the course.

Students in Drama 12 will be expected to: collaborate with others, perform in front of audiences outside of the classroom, write a play, and be involved in every aspect of play production.

Note: Meets Elective or Fine Arts Requirements

ECONOMICS 11

ECON11 .....Academic Course..... 1 Credit

This course may be taken in grade 10.

This course in Canadian economics begins with a general study of the economy of the local community, leading into such selected aspects as important private firms, important occupational groups, local unions, three levels of government, government spending, taxation; and expanding to the provincial and regional economy to consider primary, secondary and tertiary industries.

Distribution of wealth and power, labour movement, free enterprise, crown corporations, taxation and economic ties with the world are also considered as parts of the Canadian economy. Various economic principals, issues and theories that affect the lives of students are included.

Economics should be seriously considered by anyone who plans to enroll in a business/commerce program in university.

Note: Meets Elective Requirements

ELECTOTECHNOLOGIES 11

ELECTRO11 Academic Course 1 Credit

Electrotechnologies 11 enables students to gain an understanding of electrical and electronic systems. Students will explore the world of electronics through hands-on experiments, circuit construction and computer simulation software. Students will build and study over fifty circuits to discover how electronic components function and work together. Students will also be challenged to design and build a printed circuit board using industry standards and techniques.

Note: Meets Elective or Technology Requirements

ENERGY, POWER AND TRANSPORTATION 11

ENERGY11 Academic Course 1 Credit

The ENERGY 11 course is design to provide the student with the opportunity to research, design, and construct projects that can harness and manipulate all form of energy. The course will provide opportunities in the areas of alternate energy sources, green energy sources as well as the evolution of traditional energy sources. By the end of the course students are able to demonstrate an understanding of different forms of energy and the application of energy to the modern transportation system. The course emphasizes hands on activities and includes units on electrical energy [motors and generators] and mechanical energy [gasoline engines].

Note: Meets Elective or Technology Requirements

ENGLISH 10

ENG10.....Academic Course..... 1 Credit

This program puts an emphasis on oral communication and co-operation with other students. The writing process is a critical focus of the program. Students will build from what they know using response writing. Personal connection to literature develops both skill and pleasure in reading.

This course includes small group learning and fosters collaboration. Student responsibility for learning will be encouraged. Evaluation will involve individual and group work, as well as social responsibility.

This course serves as a prerequisite for any grade 11 English course.

Note: Meets Grade 10 English Requirement

ENGLISH 11

ENG11.....Academic Course .....1 Credit

In English 11 students must be willing to read independently and to work on their written and oral expression. Readings include novels, drama, non-fiction, and poetry selected from twentieth century literature, but there will also be texts from popular culture and a Shakespearean play. Students will be expected to refine their skills in logical analysis and clear expression with particular attention to the formal essay.

Note: Meets Grade 11 English Requirement

ENGLISH 11 ADVANCED

ENG11ADV.....Advanced Course .....1 Credit

Recommended - English 10 & an approved application

Advanced English 11 is an intensive program of study reflecting higher expectations than those of English 11. The course offers a challenging curriculum for the self-motivated students with a passion for language, literature, and learning. Learning experiences in Advanced English 11 focus on in-depth treatment of selected topics and sophisticated texts, independent learning and reflection, creation of texts, and extended research projects.

Note: Meets Grade 11 English Requirement

ENGLISH 12

ENG12.....Academic Course .....1 Credit

This course continues the study of literature and close study of texts. The student is expected to achieve proficiency in the analysis and appreciation of the major genres and in understanding the possibility of multiple readings of particular texts. There is an emphasis on world literature and the appreciation of multiple cultures. Students will continue to develop written and oral fluency through a wide variety of assignments, which will enable then to communicate confidently and effectively.

Note: Meets Grade 12 English Requirement

ENGLISH 12 ADVANCED

ENG12AD .....Advanced Course .....1 Credit

Advanced English 12 is characterized by additional content and curriculum outcomes that expand and extend learning in both theoretical and applied aspects of the subject area. The course is an extension of Advanced English 11 and preparation for further post-secondary study. It is designed to broaden knowledge, hone skills, and foster initiative, risk taking, and responsibility. These attributes are developed in an environment that promotes both independent and collaborative learning.

Note: Meets Grade 12 English Requirement

ENGLISH 12: AFRICAN HERITAGE LITERATURE

ENGAH12 .....Academic Course .....1 Credit

This course is designed to prepare students to meet key stage outcomes for Grade 12: Speaking and Listening; Reading and Viewing; and Writing and Other Ways of Representing, through a variety of learning and teaching strategies, and assessment practices. This course will engage students in a critical and analytical response to numerous literary texts, with a major focus on African Heritage, including: short fiction, the novel, poetry, spoken word, and various elements of African oral traditions. Students are given increased opportunities to demonstrate their ability as thoughtful, critical readers/viewers of literary and other texts. Effective argument is emphasized in oral, written forms and other ways of representing. All students will write the Nova Scotia Provincial Exam.

Note: Meets Grade 12 English Requirement

ENGLISH COMMUNICATIONS 11

ECM11.....Graduation Course..... 1 Credit

This is an open category course. Students will explore ideas and opinions through various kinds of written and oral communication. The emphasis is more practical than literary. Study will involve films, video, and newspapers, as much as novels, short stories, plays, and non-fiction. Written assignments may be shorter and more frequent than those in English 11 but they will share the purpose of helping students to gain control of meaning and correctness in their writing.

Note: Meets Grade 11 English Requirement

ENGLISH COMMUNICATIONS 12

ECM12.....Graduation Course..... 1 Credit

Communications 12 continues the work of Communications 11. It emphasizes many kinds of communication and practical purposes. For example, there will be more reading for information than in English 12. Film, video, newspapers and other forms of popular culture will be part of the curriculum. Written assignments will also tend to have practical purpose. This is an open category course. It is recommended for students who prefer a more practical approach to English Language Arts.

Note: Meets Grade 12 English Requirement

ENTREPRENEURSHIP 12

ENT12.....Academic Course..... 1 Credit

The purpose of this course is to develop the values, skills and attitudes of entrepreneurs as well as to learn the specific skills associated with running one's own business. These are desirable attributes for whatever career choices a student may make. An action component of running ventures (businesses) will be a major part of the course. As well, small collaborative group work, independent study and projects will be used extensively. The final project requires that the students prepare an extensive business plan including an application to the YES Program.

Note: Meets Elective Requirements

EXPLORING TECHNOLOGY 10

EXT10AC.....Academic Course..... 1 Credit

Exploring Technology 10 is an excellent introduction to technological engineering and design concepts for all grade 10 students. It provides all students with hands-on activities and introduces them to a broad spectrum of technological concepts. By the end of the course, students are able to use a range of technological tools, processes, and applications, integrate broad-based applied technology with other academic disciplines, design and create devices and systems that solve technological problems, and explain the consequences of technology and how it affects society.

Students will use various aspects of technology to enhance their learning, including:

- Vex Robots
- Electronics/Electrical (usage and design)
- Design and construction of projects

- Designing floor plans (residential)

Note: Meets Elective or Technology Requirements

FILM & VIDEO PRODUCTION 12

FVP12 .....Academic Course .....1 Credit

Recommended: Visual Art11AC, Visual Art12AC or MUM12AC or the approval of the instructor.

Film &Video Production is an introduction to video production based on the conventions of filmmaking. The goal of the FVP12AC program is to offer students a twofold experience. While the underlying purpose of the program is to involve students in the technical aspects of video production, the ultimate goal of the program is to use filmmaking as a storytelling tool. Students work both independently and as part of production teams to explore a range of roles associated with the film industry. Students are expected to develop the skills required for production roles, to develop a critical awareness of historical and cultural aspects of film/video, and to work through the process of making narrative video productions from script development to final edit and presentation.

Note: The requirement for students to work in production teams is a key factor in the success of student productions and in the success of individual students. This requirement applies to in-class assignments and those scheduled outside class time. If you are unable to meet this requirement you should consider another course.

Note: Meets Elective or Technology Requirements

FOOD SCIENCE 12

FDSCI12 .....Academic Course .....1 Credit

Recommended - pass in SCI10 AC with strength in chemistry component

This course may be taken in grade 11 or grade 12.

Food Science 12 offers students the opportunity to explore aspects of the food industry. The course is designed to be flexible and meet the needs and interests of a wide range of learners. Hands-on lab work is an essential component of the course. Student learning is assessed through observations, conversations and products using assessment tools like checklists, journals, assignments, labs, projects, presentations, quizzes, tests and exams.

Topics include: food constituents (food constituents, carbohydrates, lipids, proteins, water and other constituents in food); preservation factors (food microbiology and food safety: fermentation, preservation and food safety microbiology, evolution of food preservation, cooling, heating, fermentation, drying processing techniques); food quality and commodities (food commodities, food quality, product development – schemes and stages); and food packaging (food packaging and food labels, new food product).

Note: This course meets the **second** Science graduation requirement.

GLOBAL GEOGRAPHY 12

GGS12 Academic Course 1 Credit

To be taken in the grade 12 year.

This course explores major themes which help us to understand the nature and origins of complex humanity/environment relationships in today's world.

Guided by modern geography, students will pursue five units: The Global Geographer, The Planet Earth, Population, Resource and Commodities, and Urbanization. By using geographic skills and techniques, by learning and applying a body of geographic knowledge and by developing their own planet management awareness, students will become informed global geography students.

On-line research will be required of students, academic writing, oral and visual presentations will be used in assessment. Note: Meets Global Studies Requirement

GLOBAL HISTORY 12

HGS12 .....Academic Course..... 1 Credit

To be taken in the grade 12 year.

This course examines major themes in the history of the 20th century. Students will examine these themes in five compulsory units: East-West: The Role of Super Powers in the Post World War II Era; North-South: The Origins and Consequences of Economic Disparity; The Pursuit of Justice; Societal and Technological Change; Acknowledging Global Interdependence: The Legacy of the Twentieth Century. Students will examine history from three perspectives - social, economic and political - and will use the research and inquiry skills of the historian. Throughout their studies, students will address focus questions about the course. They will be able to propose answers to the questions upon which Nova Scotia's global studies are built: "How did the world arrive at its current state at the close of the twentieth century?"

Students will demonstrate the skills used in history including academic research and essay writing, analysing source documents, identifying bias and historical perspectives and developing an understanding of historiography.

Note: Meets Global Studies Requirement

HEALTH & HUMAN SERVICES 12

HLHM12AC.....Academic Course..... 1 Credit

The course provides students with an introduction to the skills and knowledge involved in careers related to the health and human services domain.

Health and Human Services students will explore human development, ethics, helping process, interpersonal and personal development, wellness, written and verbal communications and related computer applications. Group work, case studies, community projects and agency interaction are some of the learning strategies used to ensure practical application of the theory studied. Community Based Education (volunteer and / or service learning) is a required component used to enhance the knowledge and skills developed in the classroom.

There course has a Mandatory 10 hours Volunteer time.

Module Titles include:

- Overview of the Helping Field
- Volunteerism & Service Learning
- Health & Human Services Systems
- Career Connections
- Personal and Professional Skills
- Human / Child Development

Note: Meets Elective Requirements

HISTORY 11

HIS11.....Academic Course..... 1 Credit

This course, which focuses on the history of Western Europe, examines the emergence of Europe on the international scene. Starting with the age of European exploration and discovery, students trace the rise and fall of European powers in the 17th, 18th, 19th, and 20th centuries. Themes include absolutism, nationalism, imperialism, colonialism and industrialization. Key concepts include the notions of progress, power, and rights of the state, the group, and the individual. All of these emerge from the examination of key events, conditions, and individuals whose impact was significant in the emergence of the modern western world. Note: Meets an elective requirement.

Does not meet *the Canadian History requirement.*

INVESTMENT AND FINANCE 12

INFNAC12.....Academic Course..... 1 Credit

This course will prepare students for the rigors of investment and financial security. Topics include financial planning (income tax, banking, budgeting); methods of investment (stocks, bonds, mutual funds, T-bills, RRSPs and RESPs), including competing in a stock market simulation; risk and return; life-stage investing; and investment math (yields, returns, fees and commissions). Extensive support would include speakers, periodicals and extensive use of the Internet. By the end of the course, students will have a solid foundation of investment strategies and will be well prepared to start their own investment portfolio.

Note: Meets Elective or Technology Requirements

LAW 12

LAW12.....Academic Course .....1 Credit

This course may be taken in grade 11 with a recommended 75% in ENG10AC

The Canadian law course is designed to provide students with knowledge of law and its function in society and the opportunity to develop skills and attitudes that will enable them to understand the process of law.

Topics include the Canadian legal system, criminal law, injuries and torts, charter rights and freedoms, property law, promises and agreements, business relations, family law and trial procedures. Case studies and a mock trial are part of this course. Where possible, visits to the Provincial and Supreme Court are arranged.

On-line research and referencing will be used in class. Students are required to maintain a portfolio.

Note: Meets Elective Requirements

LEADERSHIP 12

LDV12.....Academic Course .....1 Credit

Leadership 12 is a personal development course designed to provide students with experiences to create a personal philosophy of leadership that is based on their core beliefs and values in relation to socially responsible leadership. They will understand the concept of socially responsible leadership and how it impacts economics, social, environmental and ethical issues. Students of Leadership 12 are inclined to be supportive of their school and community, and are considering a future involving leadership. It is imperative that students recognize they will be required to develop an understanding of their school and to accept responsibility for strengthening its culture. Leadership 12 students will be expected to model positive, principled leadership attributes as they are carrying out this responsibility. Students should be prepared to meet with the teacher before selecting this course to select between Leadership 12 and Physical Education: Leadership 12.

Note: Meets Elective Requirements; does NOT meet Physical Education requirement

LEARNING STRATEGIES 10

LST10.....Graduation Course.....1 Credit

Learning Strategies 10 is an open course designed to assist students enhance and develop their learning skills and strategies.

Learning Strategies 10 will assist students with the transition into the high school credit system and students will better understand themselves as a learner. Topics to be covered in this course include self-awareness, time management, organization, communication skills and test and examination preparation.

Strategies will be explicitly taught and will then be re-enforced by integrating the curriculum from the student's other subject areas.

Students will be encouraged to use appropriate technology to support their learning.

Enrollment in Learning Strategies 10 is through the program planning process.

LEARNING STRATEGIES 11

LST11..... Graduation Course ..... 1 Credit

Learning Strategies 11 is a grade 11 open credit and continues to build on the learning outcomes attained through Learning Strategies 10. This course is for students who have successfully completed Learning Strategies 10 and *who have been identified through the program planning process.*

An examination of post secondary goals is a major component of this course and the lessons will build on the skills identified in Learning Strategies 10 as those necessary for the successful transition to work or studies beyond high school.

As in Learning Strategies 10, assistive technology will be a key component of support for students.

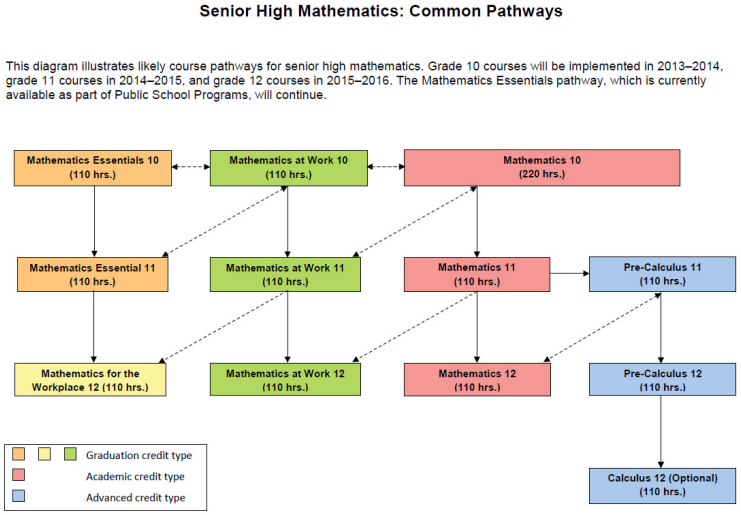
LEARNING STRATEGIES 12

LST12..... Graduation Course ..... 1 Credit

Learning Strategies 12 is a grade 12 open credit course and is designed for those students who have successfully completed Learning strategies 10 and 11 and *who have been identified through the program planning process.*

While Learning strategies 12 will build on the grade 10 and 11 curriculum, it will have as its primary focus transition from high school. The student will be expected to demonstrate that they are a successful independent learner.

Mathematics



Graduation Requirements

All students require 2 mathematics courses at different grade levels for graduation purposes.

We strongly recommend that before deciding on the mathematics courses a student opts to take that she/he give serious consideration to what lies ahead in their "mathematical future". It has been our experience that those students with a clear plan of action for their future do much better in the present. If any doubt exists as to the appropriateness of their course selection with regards to their future career, they should see a Guidance Counsellor or get in touch with the post-secondary institution they plan on attending after graduation.

If a student feels comfortable at the course level they presently occupy then, by all means, they should stay there, even if it may qualify them for programs they don't plan on applying for in the future as their plans may change.

There are basically three paths to follow although one may change from path to path, so the roads to graduation for students will be varied. What follows is a brief description of these paths. If the parent or student needs clarification they are encouraged to contact the school

and get in touch with the Administration, Student Services or the Head of the Mathematics Department.

Although only two (2) mathematics credits are required for graduation, please consider the following:

i) Students who plan to attend a college/university in pursuit of studies which are in the Science/Mathematics area.

MATH 10 (Academic), MATH 11 (Academic), Pre-Calculus 11, Pre-Calculus 12 and Calculus 12 (Highly recommended – some universities outside Nova Scotia require this credit) (4 or 5 courses over 3 years)

ii) Students who plan to attend a college/university in pursuit of studies which are not in the Science/Mathematics area.

MATH 10 (Academic), MATH 11(Academic) and MATH 12 (Academic) courses. (One per year).

iii) A college where a High School Graduation Diploma is required ... consider either:

Mathematics At Work 10 (GR) and Mathematics At Work 11 and Mathematics Foundations 12(GR) (Optional) / Math for the Workplace 12 (Optional)

or

MATH 10 Essentials and MATH 11 Essentials and Mathematics for the Workplace 12 (Optional)

Should you have any concerns about the pre-requisites of the post-secondary institution of your choice you should contact that institution.

We recommend that students taking advanced mathematics courses will typically have been very successful in prior mathematics courses (an 80% average in MATH10AC) and will remain successful because of their level of understanding of their previous experiences, their willingness and ability to work in the abstract and, most notably, their work ethic.

MATHEMATICS 10

MT10.....Academic Course ..... 2 Credits

This course will be presented as a 220-hour course. This will mean that students will have mathematics class every day for their grade 10 year.

Mathematics 10 is an academic high school mathematics course which is a pre-requisite for all other academic and advanced mathematics courses. Students who select Mathematics 10 should have a solid understanding of mathematics from their junior high years. This means that students would have demonstrated satisfactory achievement of learning outcomes in grade 9 mathematics.

Note: Mathematics 10 is a 220-hour, two-credit course.

All students following the academic or advanced pathway will need to take Mathematics 10 followed by Mathematics 11. These courses are to be taken consecutively, not concurrently.

There are two typical pathways for students who successfully complete Mathematics 10:

For those students intending to follow the academic pathway, Mathematics 10 will be followed Mathematics 11 and then Mathematics 12. (Mathematics 11 and Mathematics 12 are designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus).

For those students intending to follow the advanced pathway, Mathematics 10 will be followed by Mathematics 11, then Pre-Calculus 11 and Pre-Calculus 12.

Alternatively, students who successfully complete Mathematics 10 may choose to select a graduation credit in grade 11.

Students in Mathematics 10 will explore the following topics:

measurement systems, surface area and volume, right triangle trigonometry, exponents and radicals, polynomials, linear relations and functions, linear equations and graphs, solving systems of equations, and financial mathematics.

MATHEMATICS AT WORK 10

MTW10 ..... Graduation Course ..... 1 Credit

This course will be presented as a 110-hour course.

Mathematics at Work 10 is an introductory high school mathematics course which demonstrates the application and importance of key math skills.

The new Mathematics at Work courses are designed to provide students with the mathematical understandings and critical-thinking skills identified for direct entry into the work force or for entry into programs of study that do not require academic mathematics.

The typical pathway for students who successfully complete Mathematics at Work 10 is Mathematics at Work 11 followed by Mathematics at Work 12. Some students who successfully complete Mathematics at Work 10 may choose to take Mathematics Essentials 11 followed by Mathematics for the Workplace 12.

Students in Mathematics at Work 10 will explore the following topics:

measurement, area, Pythagorean theorem, trigonometry, geometry, unit pricing and currency exchange, income, and basic algebra.

MATHEMATICS ESSENTIALS 10

MTHE10 ..... Graduation Course ..... 1 Credit

This course will be presented as a 110-hour course.

Mathematics Essentials 10 is an introductory high school mathematics course designed for students who do not intend to pursue post-secondary study or who plan to enter programs that do not have any mathematics pre-requisites.

Mathematics Essentials courses are designed to provide students with the development of the skills and understandings required in the workplace, as well as those required for everyday life at home and in the community. Students will become better equipped to deal with mathematics in the real world and will become more confident in their mathematical abilities.

The typical pathway for students who successfully complete Mathematics Essentials 10 is Mathematics Essentials 11 followed by Mathematics for the Workplace 12.

Students in Mathematics Essentials 10 will explore the following topics:

mental math, working and earning, deductions and expenses, paying taxes, making purchases, buying decisions, probability, measuring and estimating, transformation and design, and buying a car

MATHEMATICS 11

(academic, 1 credit)

Prerequisite: Successful completion of Mathematics 10.

This course will be presented as a 110-hour course.

Mathematics 11 is an academic high school mathematics course.

Students who select Mathematics 11 should have a solid understanding of the Mathematics 10 curriculum.

Mathematics 11 is a prerequisite for Pre-calculus 11. These courses are to be taken consecutively, not concurrently.

There are two typical pathways for students who successfully complete Mathematics 11:

- For those students intending to follow the academic pathway, Mathematics 11 will be followed Mathematics 12. (Mathematics 11 and Mathematics 12 are designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require an academic or Pre-calculus mathematics credit).

► For those students intending to follow the advanced pathway, Mathematics 11 will be followed by Pre-calculus 11, and then Pre-calculus 12.

Alternatively, students who successfully complete Mathematics 11 may choose to select a graduation level course in grade 12.

Students in Mathematics 11 will explore the following topics:

- applications of rates, scale diagrams and factors, inductive and deductive reasoning, an introduction to proof, cosine law, sine law, spatial reasoning, statistics, systems of linear inequalities, and quadratic functions.

MATHEMATICS AT WORK 11

(graduation, 1 credit)

This course will be presented as a 110-hour course.

Prerequisite: Successful completion of Mathematics at Work 10 or Mathematics 10.

Mathematics at Work 11 demonstrates the application and importance of key mathematical skills.

The typical pathway for students who successfully complete Mathematics at Work 11 is Mathematics at Work 12. (The Mathematics at Work pathway is designed to provide students with the mathematical understandings and critical-thinking skills identified for direct entry into the work force or for entry into programs of study that do not require academic mathematics.)
Some students who successfully complete Mathematics at Work 11 may choose to take Mathematics for the Workplace 12.

Students in Mathematics at Work 11 will explore the following topics:

- measurement systems volume, 2-D and 3-D geometry, scale, exploded diagrams, numerical reasoning, personal budgets, compound interest, financial institution services, and formula manipulation for various contexts.

MATHEMATICS ESSENTIALS 11

(graduation, 1 credit)

This course will be presented as a 110-hour course.

Prerequisite: Successful completion of Mathematics Essentials 10 or Mathematics at Work 10.

Mathematics Essentials 11 is designed for students who either do not intend to pursue post-secondary study or plan to enter post-secondary programs that do not have any mathematics pre-requisites.

The Mathematics Essentials pathway is designed to provide students with the development of the skills and understandings required in the workplace, as well as those required for everyday life at home and in the community. Students will become better equipped to deal with mathematics in their everyday life and will become more confident in their mathematical abilities.

The typical pathway for students who successfully complete Mathematics Essentials 11 is Mathematics for the Workplace 12.

Students in Mathematics Essentials 11 will explore the following topics:

- mental mathematics; collecting, organizing and graphing data; borrowing money; renting or buying; household budgets; investing money' measuring; and 2-D and 3-D design, mathematics in content areas such as science and social studies.

PRE-CALCULUS 11

(advanced, 1 credit)

Prerequisite: Successful completion of Mathematics 11.

This course will be presented as a 110-hour course.

Pre-calculus 11 is an advanced high school mathematics course.
Students who select Pre-calculus 11 should have a solid understanding of the Mathematics 11 curriculum.
Pre-calculus 11 is a prerequisite for Pre-calculus 12. These courses are to be taken consecutively, not concurrently.
The typical pathway for students who successfully complete Pre-calculus 11 is Pre-calculus 12. (Courses in the Pre-calculus pathway are designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that require the study of theoretical calculus.)

Some students who successfully complete Pre-calculus 11 may choose to take Mathematics 12.

Alternatively, students who successfully complete Pre-calculus 11 may choose to select a graduation credit in grade 12.

Students in Pre-calculus 11 will explore the following topics:

- absolute value, radical expressions and equations, rational expressions and equations, angles in standard position, analyze and solve quadratic equations, linear and quadratic equations and inequalities in two variables, arithmetic and geometric sequences, and reciprocals of linear and quadratic functions.

MATHEMATICS 12

MTH12.....Academic Course..... 1 Credit

Recommended Prerequisite - Mathematics 11 or Advanced Mathematics 11.
This course is required for several Community College programs and university level business programs.
Topics include:

- Quadratics
- Exponential growth
- Circle geometry
- Probability

Note: Meets Mathematics Requirements

MATH FOR THE WORKPLACE 12

MWP12..... Graduation Course..... 1 Credit

This course provides a year-three course option for students who have earned the following credits: Mathematics Foundations 10 and Mathematics Foundations 11 or Mathematics Essentials 10 and Mathematics Essentials 11.
Math for the Workplace 12 is designed for students looking for a course that will support their transition to NSCC programs that require a High School Graduation Diploma as distinct from specific academic math credits. This course will work toward improving the students'

mathematical knowledge base, and most aspects of the course will be directly related to math that is needed in areas such as:

- Carpentry
- Cosmetology
- Welding
- Forestry
- Electrical
- Auto mechanics
- Electronic technology
- Refrigeration
- Masonry
- Plumbing

This course will be modular and project-oriented to reflect the type of learning that will occur when students move on to NSCC.

The following is an outline of the course:

Module 1: Measurement
Module 2: Math in the Workplace Investigation
Module 3: Ratio, Rate, and Proportion
Module 4: Major Project

Note: This course (Math for the Workplace 12) meets an elective or '1' of the '2 others' from Math, Science or Technology" requirement.

MATHEMATICS FOUNDATIONS 12

MTH12FND .....Graduation Course.....1 Credit

Prerequisite – Successful completion of Mathematics at the Grade 11 level. If you have been successful in Math Foundations 10 & 11, this course is an excellent preparation for your future studies (all Community College programs requiring a NS graduation certificate & a university Arts program)

The following topics are covered:

- Statistics
- Consumer and career mathematics
- Equations
- Trigonometry
- Properties of circles and proofs
- Number patterns

Note: Meets Mathematics Requirements

PRE-CALCULUS 12

PCAL12.....Advanced Course .....1 Credit

Prerequisites: Advanced Mathematics 11 and Advanced Mathematics 12 or at the discretion of the Mathematics Department Head

This course is required to enter a Science or Engineering Program in University.

The following topics are covered:

- Limits
- Sequences and series
- Functions & exponents
- Trigonometry
- Complex numbers

Note: Meets Mathematics Requirements

CALCULUS 12

CAL12 .....Advanced Course .....1 Credit

Recommended Prerequisite - a pass in MAT12 PC (pre-calculus) or at the discretion of the Mathematics Department

This course is designed for students who are going to continue their studies in science and mathematics at the university level.

Topics include:

- Limits
- Derivatives & integration
- Curve sketching & growth rates
- Application to real world problems

Note: Meets Mathematics Requirements

MI'KMAQ STUDIES 10

MKS10.....Academic Course .....1 Credit

This course qualifies as the Canadian History 11 graduation requirement, and is to be taken in the Grade 10 year of study.

Mi'kmaq Studies 10 provides students with an understanding of historical and contemporary issues in Mi'kmaq society. The course considers the cultural, social, spiritual, and political events, trends, and traditions in the history of the Mi'kmaq.

This course uses an issue-based approach and considers broad concepts such as justice, self-determination, political autonomy, education and schooling, the family, social and political organizations, native rights, spiritual principles and personal/group identity.

Students analyze historical and contemporary issues in Mi'kmaq society, which enables them to achieve a greater understanding of the Mi'kmaq contributions to society.

Students will demonstrate the skills used in history including academic research and writing, analysing source documents, identifying bias and historical perspectives and developing an understanding of historiography.

Note: Meets Canadian History Requirement

MULTIMEDIA 12

MM12 Academic Course 1 Credit

Multimedia 12 is designed to engage students in the use of traditional art and design techniques with digital technologies in the production of a range of multimedia products. Students will use information and communications technologies, combining text, graphics, video, animation, and sound, as well as some traditional image-making materials, in a series of individual and collaborative projects, for a variety of purposes.

This program is intended to challenge students to become skilled, reflective, and critical thinkers in the production of original multimedia products using digital art and multimedia techniques, including audio produciton. The activities and discussions will help students to acquire an understanding of the aesthetic/artistic implications of multimedia products, and to become aware of and respect the ethical/social and legal implications of multimedia production. Students will be expected to apply the elements and principles of design to construct multimedia products that efficiently and effectively communicate ideas and concepts. Modules focus on image creation and manipulation, time-based images, sound, and multimedia authoring.

Note: Meets Elective or Technology Requirements

MUSIC 10 (Instrumental)

MUSIC10B.....Academic Course..... 1 Credit

Recommended - Pass in grade 9 Music or the permission of the Music Teacher.

In addition to regular class time, rehearsal and performance time outside of the regular school day is expected.

Instrumental Music focuses on learning through performance. Performance skills will be developed in class by working on sight-reading, technical studies, and by performing band literature. Studies will also work in the areas of music history, music theory and aural perception. The program includes an introduction to arranging and/or composing. This section requires a performance mark based on the student's participation in a school performance group.

Note: Meets Elective or Fine Arts Requirements

MUSIC 11 (Instrumental)

MUSIC11B.....Academic Course..... 1 Credit

The course content of Music 11 is a continuation of the material covered in Music 10.

Music 11 Advanced is available to interested students as an extension of the curriculum outcomes offered within scheduled Music 11 class time in combination with independent study. For further information see the Fine Arts Department Head.

Note: Meets Elective or Fine Arts Requirements

MUSIC 11 (Vocal)

MUSIC11V.....Academic Course .....1 Credit

Recommended – MUS10AC or the permission of the Voice Instructor.

Students will be expected to participate in rehearsals and performances outside of regular class time.

Vocal Music focuses on learning through performance. The course content of MUV11 builds upon the foundation of the MUV10 activities and experiences. Performance skills will be developed through: sight-reading, voice studies, and performance of traditional and contemporary pieces. Studies will also involve work in the areas of music history, music theory and aural perception. The Vocal Program requires a performance mark based on the student's participation in a school performance group.

Note: Meets Elective or Fine Arts Requirements

MUSIC 12 (Instrumental)

MUSIC12B.....Academic Course .....1 Credit

The course content of Music 12 is a continuation of the material covered in Music 11. Those students auditioning for university music programs will be encouraged to audition early for advanced acceptance and scholarship consideration.

Music 12 Advanced is available to interested students as an extension of the curriculum outcomes offered within scheduled Music 12 class time in combination with independent study. For further information see the Fine Arts Department Head.

Note: Meets Elective or Fine Arts Requirements

OCEANS 11

OCNS11 .....Academic Course .....1 Credit

This course may be taken in grade 11 or grade 12.

Oceans 11 offers students the opportunity to explore aspects of local and global oceanography and current ocean-related issues. The course is designed to be flexible and meet the needs and interests of Nova Scotian students by connecting the study of oceanography with local economic and community interests. Student learning is assessed through observations, conversations and products using assessment tools like checklists, journals, assignments, labs, projects, presentations, quizzes, tests and exams.

Topics include: structure and motion (oceans, seas, gulfs and straits, the ocean bottom: origins and bathymetry, the properties of seawater, ocean currents, tides); marine biome (life in the oceans, habitats, open ocean versus coastal areas, fieldtrip, organisms and habitats); coastal zones (identifying coastal zones, variations in coastal zone structure and properties, the importance of coastal zones to humans, keeping our coastal zones); aquaculture (farming, fishing and food, what species? Where? Why?, water quality, site acceptance by the community, marketing the product, aquaculture-related issues); and fisheries (fisheries are a unique resource, life cycle, models of fish stocks, fish population and management, technology in the fisheries, what does management mean?).

Note: This course meets only the **second** Science graduation requirement.

PHYSICAL EDUCATION 10

PHE10.....Academic Course .....1 Credit

This course will provide students with a variety of fitness and sport experiences to enhance their understanding of personal fitness and growth. Physical Education 10 includes some theory components, coupled with predominately active experiences whereby students will have the opportunity to participate in a variety of outdoor and indoor fitness, sport, and recreational experiences.

The emphasis of this curriculum is to provide students with experiences that require them to take and reflect on their personal responsibility for active, healthy living now and throughout life. The course is divided into four modules: Outdoor Pursuits, Exercise Science, Personal Fitness and Leadership.

Note: Meets Elective or Physical Education Requirements

PHYSICAL EDUCATION 11

PHE11 .....Academic Course..... 1 Credit

This course will provide students with a variety of fitness and sport experiences to enhance their understanding of personal fitness and growth. Physical Education 11 includes some theory components, coupled with predominately active experiences whereby students will have the opportunity to participate in a variety of outdoor and indoor fitness, sport, and recreational experiences.

The emphasis of this curriculum is to provide students with experiences that require them to take and reflect on their personal responsibility for active, healthy living now and throughout life. The course is divided into four modules: Outdoor pursuits, Exercise Science, Personal Fitness and Leadership.

Note: Meets Elective or Physical Education Requirements

PHYSICAL EDUCATION 12

PHE12 .....Academic Course..... 1 Credit

The course focuses on the recreational aspect of physical education.

Personal fitness and fitness appreciation is stressed as well as cooperation with fellow students and staff. This program develops maturity through an active lifestyle program so the students can remain active once they leave the school setting.

Note: Meets Elective or Physical Education Requirements

PHYSICALLY ACTIVE LIVING 11

PHEAL11.....Academic Course..... 1 Credit

Physically Active Living 11 is designed to engage students in a wide range of physically active experiences, with an overall theme of exploring options and opportunities for being active for life, both in school and in their community. Physically Active Living 11 encompasses both an activity component and a theory component, with an emphasis on engagement in physical activity.

The activity component of the course is designed to provide opportunities for students in active experiences that engage youth in traditional and non-traditional forms of physical activity. The theory component of the course will enhance student understanding of healthy eating, injury prevention, mental and emotional health, and addiction prevention highlighting the connection between healthy living and being physically active.

Note: Meets Elective or Physical Education Requirements

PHYSICAL EDUCATION LEADERSHIP 12

PEL12.....Academic Course..... 1 Credit

Physical Education Leadership 12 will examine various styles and characteristics of effective leadership. It is an expectation that students will develop their leadership skills by participating in and organizing a variety of challenging, interactive and enjoyable activities. The course is designed around an Experiential Learning Model that contains both theoretical and practical components. Classroom sessions educate the

student in learning to understand concepts surrounding leadership and group dynamics, as well as the development of planning and organizational skills.

Students will participate in running or assisting school-based functions and will develop, organize and run their own school or community service project(s) as part of their learning experience. In addition, students will be involved in planning and delivering outdoor educational experiences and activities within the gymnasium and/or community. The goal of this program is to not only teach effective leadership skills to the students, but to promote physical activity for youths in the community resulting in healthy lifestyles.

Physical Education Leadership 12 is also designed to build students' self confidence so that they will eventually assume leadership roles in their community once they graduate from school. Students will be able to identify their leadership strengths and challenges, while opportunities will be provided so that they can make improvements in both areas.

This course is designed for students who like to be active, enjoy working in groups and are willing to take responsibility for enhancing the learning experiences of the members of their school community. Students should be prepared to meet with the teacher before selecting this course to select between Leadership 12 and Physical Education: Leadership 12.

Note: Meets Elective or Physical Education Requirements

PHYSICS 11

PHY11.....Academic Course .....1 Credit

Recommended - pass in SCI10 AC with strength in physics component; taking MAT11AC OR MAT11AD.

Physics 11 aims to stimulate an interest in physics and an understanding of the processes and structures of the natural world at the most fundamental level. Students are offered diverse opportunities to measure and analyse experimental data and develop their problem solving skills. Emphasis is placed on proficiency in basic lab skills and on the application of knowledge, rather than on memorization. Strong math skills are a necessity. Student learning is assessed through observations, conversations and products using assessment tools like checklists, journals, assignments, labs, projects, presentations, quizzes, tests and exams.

Topics include: kinematics (presenting vectors, vector analysis, algebraic problem solving); dynamics (dynamics introduction, Newton's Laws, momentum introduction); momentum and energy (conservation of momentum, work, power and efficiency, transformation, total energy and conservation, technological implications); and waves (fundamental properties, sound waves and electromagnetic radiation).

Note: This course meets the first or second Science graduation requirement.

PHYSICS 11 ADVANCED

PHY11AD.....Advanced Course .....1 Credit

Recommended - demonstration of academic excellence in SCI10 AC; taking MAT11AC OR MAT11AD; approval of Science Department Head.

The content topics for this course parallel those in Physics 11, but the curriculum is more investigative in nature and provides for greater depth of treatment and an opportunity to apply learned concepts in new situations. Students also have the opportunity for independent study/experiment. Additional topics will be covered as time permits.

Note: This course meets the first or second Science graduation requirement.

PHYSICS 12

PHY12.....Academic Course .....1 Credit

Recommended - pass in PHY11AC or PHY11AD; pass in MAT11AC or MAT11AD.

Physics 12 builds on the fundamental knowledge and skills acquired in Physics 11. Student learning is assessed through observations, conversations and products using assessment tools like checklists, journals, assignments, labs, projects, presentations, quizzes, tests and exams.

Topics include: force, motion, work, and energy (dynamics extension, collisions in two dimensions, projectiles, circular motion, simple harmonic motion, universal gravitation); fields (magnetic, electric and gravitational fields, Coulomb's law, electric circuits –optional, electromagnetism and electromagnetic induction, generators and motors); waves and modern physics (quantum physics, Compton and de Broglie, particles and waves, Bohr atoms and quantum atoms); and radioactivity (natural and artificial sources of radiation, radioactive decay, fission and fusion).

Note: This course meets the first or second Science graduation requirement.

PHYSICS 12 ADVANCED

PHY12AD.....Advanced Course..... 1 Credit

Recommended – demonstration of academic excellence in PHY11AC or PHY11AD and MAT11AC or MAT11AD; approval of Science Department Head.

The content topics for this course parallel those in Physics 12, but the curriculum is more investigative in nature and provides for greater depth of treatment (force, motion work and energy, quantum physics) and an opportunity to apply learned concepts in new situations. Students also have the opportunity for independent study/experiment. A high level of independent effort, discussion and interest is expected.

Note: This course meets the first or second Science graduation requirement.

POLITICAL SCIENCE 12

POL12.....Academic Course..... 1 Credit

Recommended - a pass in grade 11 Social Studies and 75% in English 11AC.

This political science course develops an understanding of the concept of politics, develops an understanding of Canadian politics in its many aspects and involves a comparative study of democratic and other basic systems of government in the world. Speakers, films and a model parliament are key components of this course. Debates and presentations add dimensions to this course. Depending on the semester and external arrangements students may have the opportunity to participate in a high school Commonwealth Conference, Model UN, Model Parliament or observe a local election.

Students are required to participate in activities including Remembrance Day, debates addressing current contemporary issues. This course is strongly recommended for students planning on attending university.

Note: Meets Elective Requirements

PRODUCTION TECHNOLOGY 11

PDT11..... Open Course..... 1 Credit

Recommended prerequisite: EXT10OP

This course is designed to develop a knowledge and understanding of production technology at an introductory level. Utilizing custom and mass production methods students will learn basic procedures associated with the manufacturing industry, i.e. material handling; composite materials; finishing technology; the plastics industry; ergonomics; time management; elements of good design; problem solving; CADD computer aided design and drafting; manufacturing safety. Successful completion of Exploring Technology (EXT 10) is recommended before taking this course.

Note: Meets Technology or Elective requirement

PRODUCTION TECHNOLOGY 12

PDT12.....Open Course .....1 Credit

Recommended prerequisite: PDT11OP

This course is designed to develop a knowledge and understanding of production technology by studying such units as production and humans, resources for production, manufacturing, product analysis, construction production, computers and manufacturing, and future production and

careers. Students will be involved in a variety of learning activities including problem solving, papers, presentations and field trips. The main focus of the course will be the establishment of a mock co-operative enterprise where students will design, produce, and sell the product(s).

Note: Meets Technology or Elective requirement

SCIENCE 10

SCI10.....Academic Course .....1 Credit

The concepts and skills developed in Science 10 provide the foundation for further study in the sciences. Science 10 is strongly recommended as a prerequisite for Chemistry 11 and Physics 11. Student learning is assessed through observations, conversations and products using assessment tools like checklists, journals, assignments, labs, projects, presentations, quizzes, tests and exams.

Topics include: Weather Dynamics (weather: observations and measurements; water cycle, weather dynamics: heat and energy, weather forecasting); Chemical Reactions (investigating chemical reactions, formula writing, chemical reactions, STSE connections); Motion (motion: position, distance, displacement, graphs of speed and velocity, motion: graphs and formulas, research in science and technology); and Life Science: Sustainability of Ecosystems (sustainability, sustainability of an ecosystem, STSE and sustainable development).

Note: This course meets the first or second Science graduation requirement.

SOCIOLOGY 12: ACADEMIC

SOCAC12.....Academic Course .....1 Credit

This sociology course is designed to give university-bound students the opportunity to explore the development of sociology and its relationship to the other social sciences. It gives students the opportunity to be exposed to how language, culture and social institutions evolved. With this knowledge, students can apply what they have learned to Canadian social issues. Canadian sociological issues that might be considered include the family, students and schools, poverty, minority groups, women in society, labour and management, conflict, crime in Canada, punishment and rehabilitation, and the future.

Note: Meets Elective Requirements

SPANISH 11

SPA11.....Academic Course .....1 Credit

This course may be taken in grade 11 or grade 12.

Spanish 11 allows students to become familiar with Spanish speech, writing and culture of the Spanish speaking world. Students spend much time acquiring vocabulary and practising essential language patterns. The use of basic language patterns helps students acquire the ability to manipulate structure and vocabulary. Emphasis is on comprehension and pronunciation skills through directed dialogues, leading to more unstructured conversation. Students engage in written comprehension of Spanish through reading stories, anecdotes, newspaper articles and magazines. Assessment focuses on a balance between oral, written and comprehension skills.

SPANISH 12

SPA12.....Academic Course..... 1 Credit

Spanish 12 is a continuation of Spanish 11. Focus is on continued development of oral, written and comprehension skills. Considerable time is spent in encouraging students to find their Spanish voice, to develop more confidence and fluency with more complex language structures. More challenging reading selections are introduced in this course and there are opportunities given to students to participate in original composition work. Assessment focuses on a balance between oral, written and comprehension skills.

TOURISM 11

TOUR11.....Academic Course..... 1 Credit

This course is the first level of two courses designed for students who are interested in the Hospitality/Tourism industry. Emphasis will be placed on developing skills in communication, problem solving, decision-making, information processing, organization, working both independently and as a team player and in technology. Completion of this course prepares students for entry-level jobs in tourism and post-secondary tourism programs.

Units will include: introduction to tourism, history, culture, tourism issues, effective communication, awareness, career exploration, tourism design and development, and the tourism professional. Objectives reflect employer expectations of the basic skills, knowledge and attitudes necessary for an entry-level position in the industry. This course is supported by industry and the Tourism Industry Association of Nova Scotia. Through an articulation agreement with Nova Scotia Community Colleges, students who are accepted into the tourism and hospitality programs and have a mark of 75 in Tourism 11 will be exempted from the Introduction to Tourism course.

Note: Meets Elective Requirements

VISUAL ART 10

VISART10.....Academic Course..... 1 Credit

Visual Arts 10 is a foundation course designed to introduce students to the basic principles of art theory and practice through a range of practical art-making experiences. Students explore a range of media, materials and techniques including drawing, painting, printmaking, collage, design, and sculpture. The program is designed to provide students with the opportunity to expand their knowledge of art, to develop the skills necessary for successful art production, and to help them to explore their personal imagery and ideas. The history of art will be used as a resource to help students understand the forms of art and to explore specific content, ideas, and techniques.

Expectations and Evaluation:

The bulk of the coursework will take the form of individual assignments. It is expected that students be prepared to commit time outside of class to complete sketchbook assignments, and term projects. Students are expected to provide a set of basic art materials, to keep a sketchbook, and to develop a portfolio of completed works.

Individual progress will be determined through evaluation of completed assignments, participation in class discussions and peer evaluations, and completion of one of a selection of practical assignments based on the work of the semester as an “exam”. Students will be expected to show evidence of competence with applicable tools and techniques, to demonstrate an understanding of concepts and content, and originality of ideas in their artwork.

Note: Meets the Fine Arts or Elective Requirements.

VISUAL ART 11

VISART11.....Academic Course..... 1 Credit

Visual Arts 10AC recommended.

Visual Arts 11 is designed to provide students with opportunities to further their art knowledge and skills through a series of practical challenges with materials, techniques, and processes. Assignments are designed to take the students beyond a basic understanding of art processes, and to challenge students to develop their creativity and experiment with the elements of style. Students will explore a range of media, materials and techniques including drawing, painting, printmaking, collage, design, sculpture, and clay-work. Art history will be used as a resource to help students gain an advanced understanding of the forms of art, to explore specific content, ideas, and techniques, and to study specific artists and styles of art. Visual Arts 11 Advanced is available to interested students as an extension of the curriculum outcomes offered within scheduled Visual Arts 11 class time in combination with independent study. For further information please see the Fine Arts Department Head.

Expectations & Evaluation: See Visual Art 10

Note: Meets Fine Arts or Elective Requirements

VISUAL ART 12

VISART12.....Academic Course .....1 Credit

Visual Arts 10AC and Visual Arts11AC are recommended. development of advanced skills, creative thinking, and personal themes and imagery. While the program is founded upon skills acquired in Visual Art 10 and 11, students are encouraged to experiment with interpretation of ideas, material uses, and techniques in their work. The program uses the "artist" as a model for students' exploration of traditional and contemporary ideas and techniques. Students will explore a narrower range of media with the expectation that they refine their personal approach to art production. Students will work with drawing, painting, printmaking, collage, design, sculpture, and clay-work for in-depth studies. The History of Art will be used as a resource to help students gain an advanced understanding of the forms of art, to explore specific content, ideas, and techniques, and to study specific artists and styles of art.

Visual Arts 12 Advanced is available to interested students as an extension of the curriculum outcomes offered within scheduled Visual Arts 12 class time in combination with independent study. For further information please see the Fine Arts Department Head.

Note: Meets Fine Arts or Elective Requirements

YOGA 11

YOGA11.....Academic Course..... 1 Credit

YOGA 11 is a physical education course that provides students with an opportunity to develop a lifelong passion for yoga and personal fitness. This course focuses on the connection between the body, mind, and spirit. Through journal entries, meditation and physical postures students will be able to connect with the deepest part of themselves, and focus their energy on being aware of the task at hand.

The program is designed to expand a student's knowledge of yoga, anatomy, physiology, and body awareness. The physical practice of yoga is the main component of the course. It includes learning and practicing poses that involve strength, flexibility, endurance, balance, and mental focus. The history and philosophy of yoga will be used to focus on the value of non-violence, ethics, honesty, and respect to oneself.

Topics include: History of yoga, Asana (physical postures), pranayama Breathing), Chakra (energy); self-esteem, muscular anatomy, skeletal anatomy, body image, nutrition, posture analysis, gratitude and Karma.

Note: Meets Elective or Physical Education requirement

Online Courses

The Nova Scotia Virtual School is a common provincial online learning platform created as a joint project between provincial school boards and the Department of Education in Nova Scotia. It provides for the delivery of public school and correspondence courses (Distributed Learning), and online extensions of school-based classes (Blended Learning). If you are interested in taking an online course please see your Guidance Counsellor in Student Services.. The following courses are available online:

Accounting 12
Advanced Biology 11
Advanced Chemistry 11
Advanced Chemistry 12
Advanced Global Geography 12
Advanced Global Politics 12
Advanced Physics 11
Advanced Physics 12
Advanced Visual Arts 11
African Canadian Studies 11
Biologie 11
Biologie 11 Avancée
Biologie 12
Biologie 12 Avancée
Biology 11
Calculus 12
Canadian History 11
Chemistry 11
Chemistry 12
Chimie 11
Chimie 11 Avancée
Chimie 12
Chimie 12 Avancée
Entrepreneurship 12
Film and Video 12 (MAC)
Film and Video 12 (PC)
Fitness Leadership 11
Geology 12
Global Geography 12
Global Politics 12
Introduction à la Littérautre 12
Law 12
Math 12
Multimedia 12 (MAC)
Oceans 11
Océans 11
Physics 11
Physics 12
Political Science 12
PreCalculus 12

Sociology 12
Tourism 11
Visual Arts 10

Visual Arts 11
Workplace Health and Safety 11

THE INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAM

The International Baccalaureate (IB) Diploma Program is a two year comprehensive and rigorous international academic program for academically ambitious students in Grades 11 and 12. The program was founded in Geneva, Switzerland as a non-profit educational foundation in 1968 and was intended to establish a common curriculum and university entry credential for students moving from one country to another. According to the IB website, there are currently more than 893,000 IB students at 3,115 schools in 140 countries. Prince Andrew High School, with the support of the Halifax Regional School Board and the Department of Education, was authorized as an IB World school in the Spring of 2007.

The IB Diploma Program has earned a reputation for rigorous assessment and is highly regarded at universities all over the world. The comprehensive program emphasizes academic excellence, as well as personal development in areas such as philosophy and community service. Students who choose to take the IB Diploma Program receive outstanding preparation for further academic studies. Successful completion of the program allows students to be considered for admission to many colleges and universities worldwide. However, it is important to remember that the goals of the IB Diploma Program go beyond academic preparation. Values, which permeate the curriculum, include literacy, internationalism, critical thinking, tolerance and citizenship, give the programme its special character and depth.

Is the International Baccalaureate Diploma Program for You?

- Are you a motivated, mature, academically able student interested in going to university?
- Are you willing and able to accept academic challenges?
- Are you a competent reader?
- Do you have (or are willing to acquire) effective communication skills, analytical/critical thinking skills, and time and stress management skills?
- Do you participate in school and community activities?

If you answered YES to these questions, then the IB Diploma Program is for you!

The IB Diploma Program is not meant just for academically elite students. Any motivated student capable of being successful with regular high school academic courses should also be able to be successful with IB courses, provided they are willing to put in the extra time and effort required.

Prince Andrew's Pre-IB and IB Diploma Program Contact Information

We encourage you to seek advice from your teachers, counsellors and parents before deciding on pursuing Prince Andrew's Pre-IB Program (available to Grade 10 students) or the IB Diploma Program (available to Grade 11 students) at Prince Andrew High School. For further information on the IB Diploma Program, contact Tracy Giffin and Amy Smith, IB Coordinators, at 435-8452 (4101015) or TGiffin@hrsb.ca or SmithA@hrsb.ca. Further information can also be obtained from the PA website, Student Services or by accessing www.ibo.org

Prince Andrew's Pre-IB Program – Grade 10 – An Academic Enrichment Opportunity

Students planning on registering in the IB Diploma Program or taking individual certificate IB courses in Grade 11 and 12 are required to take five Grade 10 Pre-IB courses - Pre-IB English 10, Pre-IB Math 10, Pre-IB Science 10, Pre-IB History 10 and Pre-IB French 10 in their Grade 10 year. (Core French and French Immersion students will be placed in separate classes as scheduling permits).

All of Prince Andrew's Grade 10 Pre-IB courses infuse the necessary skills for success in the IB Diploma Program. This includes instruction in: research methods, writing formal essays, reading skills required for fluency and understanding of complex and sophisticated texts, oral skills, study skills, math skills to address any gaps, techniques of data gathering and analysis, and information literacy skills, including the effective use of available libraries and time management skills. These skills are the foundation for success in the IB Diploma courses in Grades 11 and 12. Students who decide not to pursue the IB Diploma program in Grade 11 and 12 are still on track to fulfill the PSP requirements for a Nova Scotia graduation certificate, and have acquired the skills to be successful in the academic programming of their choice.

IB Diploma Program Requirements Course offerings are subject to change due to enrolment numbers and scheduling restrictions.

To meet the requirements of the IB Diploma program, one course must be selected from each of Groups 1-5. An additional course is selected from Group 4 or Group 6. Theory of Knowledge (TOK) is a required course. Three courses must be taken at the Standard Level (SL), 150 hours student-teacher contact time; three courses must be taken at the Higher Level (HL), 240 hours student-teacher contact time. Higher Level courses have a greater depth of study across a broader range of content in the subject.

In addition, as part of the IB Diploma Program, students are responsible for a 4000 word (maximum) Extended Essay (EE) in the subject area of their choice and the completion of Creativity, Action, Service (CAS) over the two year period of participation in the program.

IB Certificate Courses

Students may register for individual IB Certificate courses that are not already offered at an enriched level at Prince Andrew High School. IB Certificate courses available to students are: IB History HL or SL, IB Music HL, IB Film HL, IB Theatre HL, IB Visual Arts HL, IB French SL and IB Biology HL. Opportunities to take individual IB Certificate courses will be available as space and scheduling permit.

You must contact the IB Coordinators prior to signing up for an individual IB course.

IB DIPLOMA PROGRAM OVERVIEW

Group	Pre-IB (Grade 10)	IB Diploma Year 1 (Grade 11)	IB Diploma Year 2 (Grade 12)
Group 1: Language A1	Pre-IB English 10	IB English HL	IB English HL
Group 2: Language B	Pre-IB Core French 10	IB French B SL IB Spanish ab initio SL	IB Spanish ab initio SL
Group 3: Individuals and Societies	Pre-IB History 10	IB History SL **or** HL	IB History SL **or** HL
Group 4: Experimental Sciences	Pre-IB Science 10	IB Biology SL **or** HL IB Chemistry SL **or** HL IB Physics SL **or** HL	IB Biology SL **or** HL IB Chemistry SL **or** HL IB Physics SL **or** HL
Group 5: Math and Computer Science	Pre-IB Math 10	IB Math SL **or** HL IB Math Studies SL	IB Math SL **or** HL IB Math Studies SL
Group 6: The Arts	Choice of Elective: Drama 10, Art 10 or Music 10 are recommended	IB Film HL IB Music HL IB Theatre Arts HL IB Visual Arts HL	IB Film HL IB Music HL IB Theatre Arts HL IB Visual Arts HL
Other	Choice of Elective: Physical Education 10 is Recommended	Theory of Knowledge Extended Essay CAS	Theory of Knowledge Extended Essay CAS

Course offerings are subject to change due to enrolment numbers and scheduling restrictions.

IB Diploma Program Scheduling

Higher Level courses are usually scheduled over three semesters, while Standard Level courses are usually scheduled over two semesters. TOK is scheduled so that it runs concurrently with as many IB courses as possible. Scheduling may permit the opportunity for a student to take a PSP course or a preparation class.

IB Diploma Program Assessment

An essential element of IB assessment is that standards are the same worldwide. A variety of assessment methods are used to acknowledge both the content and the process of academic achievement.

All subjects, with the exception of TOK, Theatre Arts and Visual Arts, have a written examination. Each exam consists of one to three papers written in May of their second year of the IB Diploma program (Grade 12). All subjects include a course-work component, which may be internally assessed (and externally moderated by IB), or internally supervised and externally assessed. Up to two Standard Level courses can be completed during the first year of the program, as scheduling permits.

In addition teacher-constructed assessment such as assignments, labs, projects, quizzes and tests will be conducted on a regular basis to provide students with regular feedback to monitor progress and inform teachers to develop their anticipated IB grades (submitted for report cards/transcripts) and predicted IB grades (submitted to IB).

IB Diploma Graduation Requirements

Students who successfully complete all of the IB Diploma requirements will earn a Nova Scotia High School Graduation Diploma.

Each examined subject is graded on a scale of 1-7. The maximum for the six subjects (6x7) is 42 points. The IB Diploma is awarded to students who achieve a minimum total point score of 24 points* and complete the requirements of TOK, the Extended Essay, and the CAS program. The TOK and the Extended Essay grades (A-E) contribute up to three bonus points towards a student's total points. The maximum number of points that can be awarded for an IB diploma is 45. *Some additional conditions apply. See the General regulations: Diploma Programme document (link available on PAHS website) or IB Coordinators for more details.

IB Diploma University Recognition

The IB Diploma Program is recognized by universities around the world for its excellence in preparing students for their university experience. Students are considered for credit/advanced placement, dedicated scholarships, regular scholarships, early admission etc. Students and parents should consult individual institutions and academic departments within those institutions for current recognition policies.

IB Diploma Exit Guidelines

Students who decide to exit the full IB Diploma Program may do so at the **end of their first year of study,** Grade 11. Marks for PSP course equivalents (as determined by the NS Department of Education's Soft Landing Guidelines) for the IB courses partially completed will be determined by the subject teacher. IB Certificates can be earned for completed individual IB courses.

Students who leave the IB Diploma Program are responsible for the NS Graduation requirements as outlined in the PSP.

IB Course Descriptions

IB BIOLOGY HL

IBBIO12HL..... Advanced *Course*

IB Biology HL is a two year in-depth biology course for IB students planning on enrolling in the life sciences in post secondary study. Topics include: cell biology (structure, function, chemistry, transport, and cell processes), human anatomy and physiology (digestion, excretion, immune system, nervous system including behavioural studies, reproduction), genetics (theoretical and molecular), evolution, ecology and plant science. There will be an emphasis on laboratory work and students will complete an interdisciplinary Group 4 science project. Evaluation of the course will be based on practical lab work and an externally assessed IB exam written in May of the Grade 12 year.

IB BIOLOGY SL

IBBIO12SL..... Advanced *Course*

IB Biology SL is a two* year introductory biology course. Topics of study include: cell biology (structure, function, chemistry, transport, and cell processes), human anatomy and physiology (digestion, excretion, immune system, nervous system, and reproduction), genetics (theoretical and molecular), evolution and ecology. There will be an emphasis on laboratory work and students will complete an interdisciplinary Group 4 science project. Evaluation of the course will be based on practical lab work and an externally assessed IB exam written in May of their grade 12 year.

* If scheduling permits this course may be completed in one year, with the external IB exam written in May of their Grade 11 year.

IB CHEMISTRY HL

IBCHE11 & IBCHE12HL..... Advanced *Course*

IB Chemistry HL is a two year in depth chemistry course for IB students planning on enrolling in science or engineering in post-secondary study. Topics of study include: stoichiometry, atomic theory, periodicity, bonding, states of matter, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction and organic chemistry. In addition, two optional topics are studied: environmental chemistry, and medicine and drugs. There will be an emphasis on laboratory work and students will complete an interdisciplinary Group 4 science project. Evaluation of the course will be based on practical lab work and an externally assessed IB exam written in May of their Grade 12 year.

IB CHEMISTRY SL

IBCHE11.....Advanced Course

IB Chemistry SL is a two year chemistry course for IB students planning on enrolling in biological sciences or non-engineering courses in post-secondary study. Topics of study include: stoichiometry, atomic theory, periodicity, bonding, states of matter, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction and organic chemistry. In addition, two optional topics are studied: biochemistry (alternatively environmental chemistry), and medicine and drugs. There will be an emphasis on laboratory work and students will complete an interdisciplinary Group 4 science project. Evaluation of the course will be based on practical lab work and an externally assessed IB exam written in May of their Grade 12 year.

IB ENGLISH A: LITERATURE HL

IBENG11 & IBENG12HL..... Advanced *Course*

IB English A: Literature HL is a two year English literature course including the study of selections from World Literature. It introduces students to a range of literary works of different historical periods, genres, cultures, styles and social contexts. The IB English program encourages an appreciation of literature and the knowledge of the student's own culture and that of other societies. Students engage in complex discussions and analysis of major texts from world literature. The aims of the IB English program are to enable the student to express ideas with clarity, coherence, precision, and fluency in both written and oral communication; to engage in a rigorous approach to literary analysis; to encourage a personal appreciation of literature and to develop an understanding of the techniques involved in literary study and criticism; to introduce literary classics and a range of modern writing in different literary genres, styles and contexts; and to promote an international perspective through the comparative study of works from the student's own and other cultures. Evaluation of the course will be based on one written paper of 1000-1500 words on World Literature and two compulsory oral activities internally assessed and externally moderated and an externally assessed IB exam written in May of their Grade 12 year.

IB EXTENDED ESSAY

IBEE12 ....Advanced *Course*

The Extended Essay (EE) is an opportunity for students to do an independent, self-directed piece of research on a topic of their personal choice from one of their courses of study. Emphasis is placed on the research process and the ability of the student to effectively communicate their ideas. Students are supported and encouraged throughout the research and writing with advice and guidance from a supervisor. On average, it will take the student 40 hours to prepare and write the extended essay of approximately 4,000 words. The extended essay is an important indicator to universities of a student's readiness for the academic challenges ahead.

IB FILM HL

IBFILM12HL..... .....Advanced *Course*

IB film is a two year course that aims to develop students' skills so that they become adept in both interpreting and making film texts. Through the study and analysis of film texts and exercises in film-making, IB film explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures. IB film emphasizes the importance of working individually and as a member of a group.

Students are encouraged to develop the professional and technical skills (including organizational skills) needed to express themselves creatively in film.

IB FRENCH B SL

IBFRSL12 ....Advanced *Course*

IB French B SL is a one year language course intended for students who have had some previous experience with learning French (two to four years). The main focus of this course is to prepare students

to use the language appropriately in a range of situations and contexts and for a variety of purposes and to promote cultural understanding through language. The skills of listening, speaking, reading and writing are equally emphasized, and are taught and developed through the study of a range of authentic oral and written texts chosen by the teacher. Evaluation of the course will be based on an individual oral (internally assessed) and an interactive oral (externally assessed) and an externally assessed IB exam written in May of their Grade 11 year.

IB HISTORY HL

IBHIS12HL..... Advanced *Course*

IB History HL is a two year in-depth history course that allows students to study history from an international perspective with the aim of explaining trends in developments, continuity and change through time and through individual events. Students will develop skills of historical inquiry through the investigation of a variety of sources. Topics of study include: Peacemaking and Peacekeeping; causes, practices and effects of war; the rise and rule of single-party states, and a regional option which includes an in depth study of modern European history. Evaluation of the course will be based on an historical investigation (1500-2000 words) and an externally assessed IB exam written in May of their Grade 12 year.

IB HISTORY SL

IBHIS12SL..... Advanced *Course*

IB History SL is an introductory history course that allows students to study history from an international perspective with the aim of explaining trends in developments, continuity and change through time and through individual events. Students will develop skills of historical inquiry through the investigation of a variety of sources. Topics of study include: Peacemaking and Peacekeeping; causes, practices and effects of war; the rise and rule of single-party states, and a regional option which includes an in depth study of modern European history. Evaluation of the course will be based on an historical investigation (1500-2000 words) and an externally assessed IB exam written in May of their Grade 12 year.

IB MATH HL

IBMAT12HL..... Advanced *Course*

This course caters for students with a good background in mathematics who are competent in a range of analytical and technical skills. The majority of these students will be expecting to include mathematics as a major component of their university studies, either as a subject in its own right or within courses such as physics, engineering and technology. Others may take this subject because they have a strong interest in mathematics and enjoy meeting its challenges and engaging with its problems. The course focuses on developing important mathematical concepts in a comprehensible, coherent and rigorous way. Students embarking on this course should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas. They should also be encouraged to develop the skills needed to continue their mathematical growth in other learning environments.

This course is a demanding one, requiring students to study a broad range of mathematical topics through a number of different approaches and to varying degrees of depth. Students wishing to study mathematics in a less rigorous environment should therefore opt for one of the standard level courses, mathematics SL or mathematical studies SL.

IB MATH SL

IBMAT12SL..... .....Advanced *Course*

IB Math SL is a two year mathematics course designed to give students a solid background in core concepts of mathematics to prepare them for further study in mathematics or pure and applied sciences at university. Topics of study include: algebra and number theory, functions and equations, circular functions and trigonometry, statistics, probability, matrices, vectors and calculus. Evaluation of the course will be based on a portfolio and an externally assessed IB exam written in May of their Grade 12 year.

IB MATH STUDIES SL

IBMTS12SL.....Advanced *Course*

IB Math Studies SL is a two year mathematics course designed **for students who are not planning to continue studying mathematics after high school**. The purpose of the course is to give students experience in several topics in mathematics with very practical and real-life applications. Topics of study include: statistics, set theory, logic, probability, geometry, trigonometry, algebra, finance, functions, and an introduction to differential calculus. Evaluation of the course will be based on an independent project involving data collection and analysis and an externally assessed IB exam written in May of their Grade 12 year.

IB MUSIC HL

IBMUSIC11 & IBMUHLSR.....Advanced *Course*

IB Music HL is a two year course that focuses on building on prior experience in music while encouraging a broad approach to the subject and developing new skills, techniques and ideas. IB Music HL provides an appropriate foundation for further study in music at university level or in music career pathways. Topics of study include: knowledge, understanding and perception of music in relation to time, place and cultures, appropriate musical terminology to describe and reflect their critical understanding of music, comparative analysis of music in relation to time, place and cultures, creative skills through exploration, control and development of musical elements, performance skills through solo music making and critical-thinking skills through reflective thought. Evaluation of the course will be based on internal assessments of creating music and solo performance and external assessments of a listening paper and musical links investigation.

IB PHYSICS HL

IBPHY11 & IBPHY12HL.....Advanced *Course*

IB Physics HL is a two year in-depth physics course for IB students planning on enrolling in physical sciences or engineering in post-secondary study. Topics of study include: physical measurements and uncertainties, mechanics, thermal physics, wave phenomena, electromagnetism, quantum mechanics, atomic and nuclear physics. In addition, two optional topics are studied: electromagnetic waves and astrophysics. All students will complete an interdisciplinary Group 4 science project. Evaluation of the course will be based on practical lab work and an externally assessed IB exam written in May of their Grade 12 year.

IB PHYSICS SL

IBPHY12SL..... Advanced *Course*

IB Physics SL is a two year physics course for IB students planning on enrolling in arts or biological science programs in post-secondary study. Topics of study include: physical measurements and uncertainties, mechanics, thermal physics, wave properties, electricity, magnetism, atomic and nuclear physics. In addition, two optional topics are studied: electromagnetic waves and

astrophysics. All students will complete an interdisciplinary Group 4 science project. Evaluation of the course will be based on practical lab work and an externally assessed IB exam written in May of their Grade 12 year.

IB SPANISH AB INITIO SL

IBSPA12SL..... Advanced *Course*

IB Spanish ab initio SL is a two year language course intended for students who have had no previous experience of learning the language. The main focus of this course is to take students "from the beginning" and provide them with a foundation for further study, while developing their ability to communicate in speech and in writing so that they may deal adequately with familiar and practical needs. IB Spanish ab initio also introduces the student to the culture(s) of the countries where the language is spoken. Evaluation of the course will be based on two oral activities (internally assessed and externally moderated) and an externally assessed IB exam written in May of their Grade 12 year.

IB THEATRE ARTS HL

IBTA12HL..... Advanced *Course*

IB Theatre Arts HL is a two year course that focuses on theatre craft and performance. Students participate in productions by performing on stage or working back stage, keeping journals, observing performances and conducting research projects on aspects of theatre from various historical periods and places in the world. Topics of study include: performance skills, world theatre studies (history of theatre, theatre styles, world theatre, and research commission), practical play analysis and theatre production. Evaluation of the course will be based on performance skills and theatre production, a reflective portfolio, a practical independent project, a research commission (practical help to a hypothetical actor, designer etc. in the form of a personal letter) and a practical play analysis.

IB THEORY OF KNOWLEDGE (TOK)

IBTOK12..... Advanced *Course*

IB Theory of Knowledge is an interdisciplinary course required for all IB Diploma students. The purpose of TOK is to promote a spirit of inquiry and exploration in students, as well as clarity of thought and good judgment to fully examine, within their own and other cultural and international traditions, the role of knowledge in the human experience. The TOK course emphasizes analytical and critical thought. Topics of study include: knowers and knowing, ways of knowing (perception, language, reason, and emotion) and areas of knowledge (arts, ethics, history, human sciences, mathematics, natural science). Evaluation of the course will be based on class participation (self examination, research, discussion, written reflections), a presentation, and an essay. Assessment criteria will emphasize: knowledge issues, quality of analysis, breadth and links, structure, clarity, logical coherence, use of examples, factual accuracy and reliability.

IB VISUAL ARTS HL

IBVAHL12 ....Advanced *Course*

IB Visual Arts HL is a two year course that encourages an active exploration of visual arts within the students' own and other cultural contexts. The IB Visual Arts HL course enables students to engage in practical exploration, artistic production, and in independent contextual, visual and critical investigation. The course combines studio work with investigation, writing and research. The IB Visual Arts HL course is designed to offer students the opportunity to build on prior experience while encouraging them to develop and use new skills, techniques and ideas. While it is possible to take the IB Visual Arts HL course without previous experience, this is helpful. The course is designed to enable students to study visual arts in higher education. Evaluation of the course will be based on an exhibition of student work followed by an interview evaluated by a visiting artist as well as the assessment of a written investigation.

CREATIVITY, ACTION, SERVICE (CAS)

Students participate in experiential learning in the areas of creative programs, athletics and community service over the two year period of participation in the IB Diploma Program. Students can fulfill these requirements by participation in extracurricular activities offered at Prince Andrew High School or by engaging in activities outside of the school on their own time. Students are required to keep and regularly submit to a supervising teacher a record of their hours and a reflective journal to document their participation. These activities help students develop self-confidence, initiative, responsibility, concern for others and the ability to work cooperatively with other people. They also provide an important balance to the academic requirements of the IB Diploma Program.

IB DIPLOMA RECOMMENDED PATHWAYS AT PRINCE ANDREW HIGH

Group	**Humanities/Business Focus**	**Life Sciences Focus**	**Physical Science/ Engineering Focus**
Group 1	IB English A1 HL	IB English A1 HL	IB English A1 HL
Group 2	IB French B SL **or** IB Spanish ab initio SL	IB French B SL **or** IB Spanish ab initio SL	IB French B SL **or** IB Spanish ab initio SL
Group 3	IB History HL	IB History SL **or** HL	IB History SL **or** HL
Group 4	IB Biology SL	IB Biology HL **and** IB Chemistry SL **or** HL	IB Chemistry SL **or** HL **and** IB Physics SL **or** HL
Group 5	IB Math Studies SL	IB Math HL	IB Math SL **or** HL
Group 6	IB Film HL **or** IB Music HL **or** IB Theatre HL **or** IB Visual Arts HL	none	none
Other Courses	TOK	TOK	TOK

O2 - Options and Opportunities

The Options and Opportunities (O2) program provides students a comprehensive educational program that bridges high school and post-secondary education, work and/or youth apprenticeships for each student. The program is about helping students make connections between what they are learning in school and post-secondary programs and/or work.

The O2 program is appropriate for students who may not be achieving to their academic potential, learn better with hands-on work/projects and prefer to extend their learning to a community setting.

High school students who participate in the program get experience in a career academy and increased opportunities for community-based learning such as cooperative education credits. Students who graduate from O2 will have fulfilled all graduation requirements and earned a high school diploma. In addition, they will have also graduated with a greater understanding of their skills, knowledge and strengths, a portfolio and career plan, three Co-operative Education credits and an understanding of the post secondary options at NSCC and in apprenticeship. Students who complete the O2 program will receive a certificate of completion and have a preferred seat in any program at the Nova Scotia Community College.

THE O2 PROGRAM IS COMPRISED OF EIGHT COMPONENTS:

1. Community-Based Learning Partnerships

Community learning experiences include paid or unpaid work placements, mentorship, internship volunteering, and service learning. This provides opportunities for students to link learning to the workplace.

2. Skills for the Workplace

O2 students are given the opportunity to explore a variety of careers. Once a career (or area) of interest is selected then the students' courses will be selected to support their choice.

3. Career Academies

Career education and planning is integrated within the students' learning experiences. Students also have access to courses with a career development focus.

4. Integrated Career Education and Planning

Career education and planning is integrated within the students' learning experiences. Students also have access to courses with a career development focus.

5. Instructional Teaming

Prince Andrew High has a dedicated team of teachers who deliver the curriculum. The O2 teachers participate in additional professional development to meet individual staff needs.

6. Expanded Course Options

Students, along with the O2 coordinator and guidance, select courses to include career-related courses as well as courses that will benefit their career path.

7. Connecting with Families

O2 parents are an integral part of their child's education. Parents are involved in the selection process and are provided extended opportunities for family engagement in career and life planning, career information, school life and students' progress. Support materials and workshops are available to support the parents' engagement.

8. Head Start in the Trades

For students interested in a skilled trade, the O2 program can facilitate integration of O2 with Youth Apprenticeship. All students participate with the Nova Scotia Community College Test Drive program where they follow a student from NSCC for one day in a program of their choice. O2 students will visit at least three NSCC campuses and be exposed to a variety of career choices.

9. University

For students who are planning to attend university, guidance will be provided to help select appropriate courses throughout the high school years.

HOW DOES MY SON/DAUGHTER GET INTO THE PROGRAM?

The O2 coordinator will visit and speak to all grade 9 teachers and guidance counselors of Caledonia Junior High, Ellenvale Junior High and Eric Graves Junior High. Grade 9 students will also receive a presentation of the Options and Opportunity Program. Any student interested or recommended by the grade 9 teachers will receive an application. The application consists of four pages, three of which are completed by the student and the last page is by the parent. Once all applications are received and reviewed, the O2 coordinator will arrange a time to meet with the student. Once all interviews are complete, a maximum of 22 students will be selected for the program. A letter of acceptance or decline will be mailed. Students accepted into the program will then have their courses hand selected for the upcoming year.

WHAT COURSES WILL THEY TAKE?

In grade 10, all O2 students will be registered for Career Development and Community Based Learning. They will also take O2 science, O2 English, Math (O2 or academic), a fine arts credit (band, art or drama) and a physical education credit. O2 Science and O2 English are academic credits – only the O2 students will be registered for these classes, which means a maximum of 22 students will be in each of those classes. Students, depending on their past performance, can register for academic math or be placed in the foundation math.

In grade 11, students are registered for Career Development 11 (1/2 credit), Health and Safety (1/2 credit), English credit, Math credit, Canadian Studies credit, 1 co-op credit, a second science credit and an elective to reflect the career path selected.

In grade 12, students are registered for Global Geography or History 12, an English credit, a Math course (Math for Workplace 12 is recommended), two Co-op credits and three electives to support their career path.

O2 COURSE DESCRIPTIONS

CAREER DEVELOPMENT 10

CD10O2 .....Graduation Course .....1 Credit

This course focuses on developing students' abilities to communicate, think, and deal with their feelings. They will explore realistic personal goals, assess their own abilities, and realize how these actions will affect their learning and decision-making processes. They will develop awareness of their place in the community and the value to their personal growth of giving service to the community. The course is divided into five modules: personal development, career awareness, workplace readiness, financial management and LifeWork Portfolio. The LifeWork Portfolio is the tool provided to students so that they may start or continue to organize the artifacts of their significant achievements and life events and reflect on their meaning.

COMMUNITY BASED LEARNING 10

CBL10O2 .....Open Course .....1 Credit

Community-based learning is a partnership involving the student, families, the school and the community, with each of the partners sharing the responsibility for the student's learning experience.

Students benefit from the expertise, talent, and resources of community-based service organizations, agencies, business, industry, citizen groups, entrepreneurs, and parents and gain opportunities to apply and enhance, in real-life contexts, knowledge, skills, and attitudes acquired through their work in school.

CAREER DEVELOPMENT 11

CDV11O2.....Graduation Course.....1 Credit

Career Development 11 builds on the grade 10 career development curriculum. Units include career awareness, work cultures, financial management and lifework Portfolio.

COOPERATIVE EDUCATION 11

COOP11O2 .....Academic Course..... 1 credit

COOPERATIVE EDUCATION 12

COPO2OP12.....Academic Course..... 1 credit

Cooperative Education is a core component of the Options and Opportunities Program. Each O2 student must complete at least 3 CO-OP credits before graduation. Each of these credits will be centered around a work placement where the student will get hands-on experience in a trade/career that they are considering for their future. These work placements also play a critical part in the student's choice of what post-secondary program to enrol in after high school graduation.

There are opportunities for students to use their CO-OP hours towards a youth apprenticeship. This will ensure that these students have a head start in the skilled trade that they are pursuing.

**** See a full course description under Cooperative Education.***

WORKPLACE HEALTH AND SAFETY MODULE

WRKHS11..... Graduation Course..... 1/2 credit

By the end of the course students will be able to identify healthy work environments and recognize the impact of unsafe work practices, recognize the main types of workplace hazards and identify the source, apply their learning about healthy work environments to their home and school, recognize employer and worker rights and responsibilities, review the Nova Scotia Health and Safety Act, develop an awareness of Injury prevention and demonstrate a commitment to a culture of safety. Students will be completing WHMIS training during this course.

FOR FURTHER INFORMATION, PLEASE CONTACT THE O2 COORDINATOR,
Kim Duncan at 435-8452 ext. 4101115 or kduncan@hrsb.ca