Lake Travis High School Course Catalog 2019-20

LAKE TRAVIS HIGH SCHOOL

Administrative Staff

Principal	Gordon Butler	512.533.6117	butlerg@ltisdschools.org
Associate Principal	Karen Reich	512.533.6120	reichk@ltisdschools.org
Assistant Principal	Zach Freed	512-533-6192	freedz@ltisdschools.org
Assistant Principal	Patrick Hinson	512.533.6118	hinsonp@ltisdschools.org
Assistant Principal	Angie Watson	512.533.6137	watsona@ltisdschools.org
Assistant Principal	Darnell Horton	512.533.7711	hortond@ltisdschools.org
Assistant Principal	Roy Hudson	512.533.6122	hudsonr@ltisdschools.org
Admin. Assist. for Principal	Debbie Black	512.533.6119	blackd@ltisdschools.org
Admin. Assist. for Associate Principal	Melissa Lopez	512.533.6166	lopezm@ltisdschools.org
Admin. Assist. for Assistant Principals	Barbara Stokowski	512.533.6123	stokowskib@ltisdschools.org
Main Office Receptionist	Kacy Love	512.533.6110	lovek@ltisdschools.org
Annex Office Receptionist	Maria Howard	512.533.7700	howardm@ltisdschools.org
Attendance Clerk/PEIMS	Donella Chalmers	512.533.6146	chalmersd@ltisdschools.org
Attendance Clerk Assistant	Maria Rayos	512.533.6171	rayosm@ltisdschools.org

Counseling Office Staff

Lead Counselor	Susan Endendyk	512.533.6149	endendyks@ltisdschools.org
Counselor	Gabriela Arechiga	512.533.6112	arechigag@ltisdschools.org
Counselor	Bel Portillo	512.533.6147	portillob@ltisdschools.org
Counselor(9th grade)	Jill Mancino	512.533.5809	mancinoj@ltisdschools.org
Counselor(9th grade)	Katy Staggs	512.533.7713	staggsk@ltisdschools.org
Counselor	Tara Edmondson	512.533.6168	edmondsont@ltisdschools.org
Counselor	Elizabeth Clark	512.533.6111	clarke@ltisdschools.org
At-Risk Coordinator	Angela Hrapchak	512.533.5927	hrapchaka@ltisdschools.org
Admin. Assist. for Counseling	Jan Kalb	512.533.6114	kalbj@ltisdschools.org
Registrar	Alison Fanning	512.533.6113	fanninga@ltisdschools.org
Assistant Registrar	Maureen Martin	512.533.6116	martinma@ltisdschools.org

Visit the Counseling Office Webpage for the latest information: www.ltisdschools.org/lthscounseling

The information provided in this course guide reflects current state law and local district policy. Any change in state law, local district policy, local district regulation, or local district practice may result in changes to the information provided in this guide. Questions concerning any information found in this guide can be directed to: Karen Reich Associate Principal: 512.533.6120

STATEMENT OF NONDISCRIMINATION

In its efforts to promote nondiscrimination, the Lake Travis Independent School District does not discriminate on the basis of race, religion, color, national origin, gender, sex, disability, or any other basis prohibited by law, in providing education services, activities, and programs, including vocational programs, in accordance with Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

The following district staff members have been designated to coordinate compliance with these legal requirements:

Title IX Coordinator, for concerns regarding discrimination on the basis of sex:

- Holly Morris-Kuentz, Deputy Superintendent 512-533-6020
- Evalene Murphy, Assistant Superintendent for Human Resource Services 512-533-6067
- Michael Drinkwater, Assistant Athletic Director 512-533-6059

Section 504 Coordinator, for concerns regarding discrimination on the basis of disability:

- Dr. Laura Abbott, Director of Special Services 512-533-6460

All other concerns regarding discrimination:

- Holly Morris-Kuentz, Deputy Superintendent 512-533-6020

TABLE OF CONTENTS

Foundation High School Program
Graduation Requirements with Endorsement

Endorsement choice may vary the graduation requirements listed below. Students must complete all requirements for the Foundation High School Program plus the curriculum requirements for one or more endorsements.

English — **4 credits**
English 1, English 2, English 3 & English 4

FHSP Requirement for Math and Science	LTISD Distinguished Level of Achievement Requirement for Math and Science
Math* — **4 credits** Algebra 1, Geometry, & two advanced Maths	**Math*** — **4 credits** Algebra 1, Geometry, Algebra 2 & one advanced Math
Science* — **4 credits** Biology, Chemistry & two advanced Sciences	**Science*** — **4 credits** Biology, Chemistry, Physics & one advanced Science

Social Studies — **3 credits**
World Geography or World History, US History, Government & Economics

Languages Other Than English — **2 credits**
In the same language – Spanish, French, Chinese, American Sign Language, Latin, Computer Science

Fine Arts — **1 credit**
AP Art History, Art 1, Choir 1, Dance 2-4, Drill Team, Band, Dual Credit Fine Arts w/ ACC, Floral Design, Music 1-2 Applied, Music & Media, Music Theory AP, Orchestra, Tech Theatre 1, Theatre Arts, World Dance

---

Physical Education — **1 credit**
Athletics, Cheerleading, Dance 1 (Dance Aerobics), Drill Team (First Semester), Marching Band (First Semester), PE-Foundations of Personal Fitness, PE-Individual Sports, PE-Team Sports, PE-Adventure/Outdoor Education, PE-Aerobic Activities, PE-Weight Training, PE Waiver

Electives — **7 credits**

Endorsement Total Credits — **26 credits**

STAAR EOC Exams – English 1, English 2, Algebra, Biology & US History

Endorsements are areas of specialized study. The areas are: Science, Technology, Engineering and Mathematics (STEM), Business and Industry, Arts and Humanities, Public Services, Multidisciplinary Studies (requires Geography, World History, US History, Government and Economics). See suggested course sequences on next page. * Math and Science requirements vary per endorsement.

Distinguished Level of Achievement indicates a higher level of academic achievement earned by going beyond the Foundation High School Program with Endorsement. A student must earn this designation to be eligible for "Top 10% Rule" automatic admission to a Texas public university.

Performance Acknowledgments allow students to earn an additional acknowledgment on their transcripts because of outstanding performance in areas such as dual enrollment or dual credit courses and bilingualism and biliteracy; on Advanced Placement, International Baccalaureate, PSAT, ACT ASPIRE®, the SAT or ACT exams; or by earning a state-, nationally- or internationally- recognized business or industry certification. See page 6 for more information.

SUGGESTED COURSE SEQUENCE OPTIONS FOR ENDORSEMENTS

Students are required to select an endorsement during the 9th-grade registration process; LTHS recommends Multidisciplinary Studies Endorsement as a default endorsement. Students must complete all requirements for the Foundation High School Program (as shown on the previous page) plus the curriculum requirements for one or more endorsements. Students may change their endorsement beginning in the spring of Sophomore year. Below are samples of suggested coherent sequences that lead to a specific endorsement. **Students may earn more than one endorsement.**

MULTIDISCIPLINARY STUDIES ENDORSEMENT

Program of Study	
4 x 4	Four credits in each of the four foundation subject areas to include English IV, Chemistry and/or Physics, and World History
AP/Dual Credit/Dual Enrollment	Four credits in advanced placement, dual credit, or dual enrollment selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts
Workforce	Four advanced courses that prepare a student to enter the workforce successfully from one or more endorsement areas that are not in a coherent sequence. *See courses marked with an asterisk in all Career & Technical Education (CTE) Programs of Study below.*

ARTS & HUMANITIES ENDORSEMENT

Program of Study	First/Second Course	Second/Third Course	Third/Fourth Course	Fourth/Fifth Course
Fine Arts: Visual Arts	Art 1	Art 2	Art 3	Art 4 Art History AP
Fine Arts: Dance	Dance 1	Dance 2	Dance 3	Dance 4
Fine Arts: Choir	Choir 1 Music & Media Communications	Choir 2	Choir 3	Choir 4 Music Theory AP
Fine Arts: Band	Band 1 Music & Media Communications	Band 2	Band 3	Band 4 Music Theory AP
Fine Arts: Orchestra	Orchestra 1 Music & Media Communications	Orchestra 2	Orchestra 3	Orchestra 4 Music Theory AP
Fine Arts: Technical Theatre	Technical Theatre 1	Technical Theatre 2	Technical Theatre 3	Technical Theatre 4
Fine Arts: Theatre	Theatre 1	Theatre 2	Theatre 3	Theatre 4
Fine Arts: Blended	a coherent sequence of four credits by selecting courses from one or two categories or disciplines in fine arts			
Social Studies (requires 5 credits)	Complete five credits from courses offered under Chapter 113: World Geography, World History, US History, US Government/Economics, Psychology/Sociology, and/or any Advanced Placement social studies course offerings.			
Languages Other Than English (LOTE): Four levels	Complete four levels in one of the following Languages other than English: Spanish, Latin, French, American Sign Language, Chinese (Mandarin)			
Languages Other Than English (LOTE): Two levels of two languages	Complete two credits each in two languages of the following Languages other than English: Spanish, Latin, French, American Sign Language, Chinese (Mandarin)			

BUSINESS & INDUSTRY ENDORSEMENT

Endorsement Programs of Study titled "CTE" must include four or more credits in CTE. Students may crossover CTE endorsement areas as long as they complete two courses in the same career cluster and at least one advanced CTE course. The endorsement is determined by the final course in the sequence. *(*Indicates an advanced course in a CTE endorsement coherent sequence.* ** Not currently offered at LTHS*)*

Program of Study	First/Second Course	Second/Third Course	Third/Fourth Course	Fourth/Fifth Course
CTE Agriculture: Animal Systems	Principles of Ag, Food & Nat. Resources *(1 credit)*	Livestock Productions *(1 credit)* Wildlife *(1 credit)*	Veterinary Medical Applications* *(1 credit)*	Advanced Animal Science* *(1 credit)*
CTE Agriculture: Plant Systems	Principles of Ag, Food & Nat. Resources *(1 credit)*	Horticultural Science *(1 credit)* Wildlife *(1 credit)*	Floral Design* *(1 credit)*	Career Preparation I and II* work-based learning *(2 credits)*
CTE Agriculture: Ag Mechanics	Principles of Ag, Food & Nat. Resources *(1 credit)*	Ag Mechanics & Metal Technologies *(1 credit)*	Ag Structure Design & Fabrication* *(1 credit)*	Ag Power Systems/ Independent Study in Welding* *(2 credits)*
CTE Architecture: Interior Design	Intro to Engineering Design (PLTW) *(1 credit)*	Interior Design *(1 credit)*	Architectural Design *(1 credit)*	Civil Engineering & Architecture (PLTW)* *(1 credit)*
CTE Audio/Video Production: A/V Technology	AV Production 1 *(1 credit)*	AV Production 2* *(1 credit)*	Graphic Design & Illustration 1 (1 credit)	Practicum in AV Production* *(2 credits)*
CTE: Business Management	Business Information Management (BIM) *(1 credit)*	Principles of Business, Marketing & Finance *(1 credit),* Business Management** (1 credit)	Business Law *(1 credit),* Global Business *(.5 credit)* Virtual Business (.5 credit)	Practicum in Business Management-School Store* (1-2 credits)
CTE: Finance	Principles of Business, Marketing & Finance *(1 credit)*	Money Matters *(1 credit)*	Financial Mathematics* *(1 credit)* Banking & Financial Services *(.5 credit)*	Accounting* *(1 credit)*
CTE: Marketing	Principles of Business, Marketing & Finance *(1 credit)*	Entrepreneurship *(1 credit)*, Advertising *(.5 credit)* Social Media Marketing *(.5 credit)*	Sports & Entertainment Marketing *(.5 credit),* Fashion Marketing *(.5 credit)*	Practicum in Marketing*** (1-2 credits)
English: Journalism	Creative Writing/Journalism *(1 credit)*	Yearbook 1*(1 credit)*, Creative Writing Workshop 1 *(1 credit)*	Yearbook 2 *(1 credit)*, Creative Writing Workshop 2 *(1 credit)*	Yearbook 3 *(1 credit)*
English: Public Speaking & Oral Interpretation	Public Speaking 1 *(1 credit)*, Oral Interpretation 1 *(1 credit)*	Public Speaking 2 *(1 credit)*, Oral Interpretation 2 *(1 credit)*	Public Speaking 3 *(1 credit)*, Oral Interpretation 3 *(1 credit)*	Public Speaking 4 *(1 credit) (Ind. Study in Speech),* Oral Interpretation 4 *(1 credit) (Ind. Study in Speech)*
Blended Business & Industry	Students can blend together <u>any 4 credits</u> from within the Endorsement Pathway options above			

PUBLIC SERVICE ENDORSEMENT

Endorsement Programs of Study titled "CTE" must include four or more credits in CTE. Students may crossover CTE endorsement areas as long as they complete two courses in the same career cluster and at least one advanced CTE course. The endorsement is determined by the final course in the sequence. *(*Indicates an advanced course in a CTE endorsement coherent sequence.)*

Program of Study	First/Second Course	Second/Third Course	Third/Fourth Course	Fourth/Fifth Course
CTE: Health Professions	Principles of Health Science *(1 credit)*	Medical Terminology *(1 credit)*	Health Science *(1 credit),* Anatomy & Physiology**(1 credit)*	Counseling & Mental Health *(1 credit),* Practicum in Health Science: Certified Medical Assistant* (*1 credit)*
CTE: Health Science – Nursing	Principles of Health Science *(1 credit)*	Medical Terminology *(1 credit)*	Health Science *(1 credit),* Anatomy & Physiology* *(1 credit)*	Pathophysiology**(1 credit),* Medical Microbiology**(1 credit),* Practicum in Health Science: Certified Nurse Assistant* *(2 credits)*
CTE: Health Science - Pharmacy	Principles of Health Science *(1 credit)*	Health Science *(1 credit)*	Pathophysiology**(1 credit),* Medical Microbiology**(1 credit)*	Practicum in Health Science: Pharmacy Technician* *(1 credit)*
CTE: Law, Public Safety, Corrections & Security	Principles of Law, Public Safety, Corrections, and Security *(1 credit)*	Law Enforcement 1 *(1 credit)* Criminal Investigation *(1 credit)*	Court Systems & Practices2 *(1 credit)* Forensic Science*(1 credit)*	Practicum in Law, Public Safety, Corrections, and Security* *(2 credits)*

SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM) ENDORSEMENT

Endorsement Programs of Study titled "CTE" must include four or more credits in CTE. Students may crossover CTE endorsement areas as long as they complete two courses in the same career cluster and at least one advanced CTE course. The endorsement is determined by the final course in the sequence. *(*Indicates an advanced course in a CTE endorsement coherent sequence.)*

Program of Study	First/Second Course	Second/Third Course	Third/Fourth Course	Fourth/Fifth Course
CTE: Engineering	Intro to Engineering Design (PLTW) *(1 credit)*	Principles of Engineering (PLTW)* *(1 credit)*	Digital Electronics (PLTW)* *(1 credit),* Civil Engineering & Architecture (PLTW)* *(1 credit)*, Robotics* *(1 credit)*	Engineering Design & Development (PLTW)* *(1 credit)*
Computer Science	Computer Science Fundamentals	Computer Science Principles AP	Computer Science AP OnRamps Computer Science	Computer Science Advanced Honors Principles of CyberSecurity
Advanced Math	Three credits in mathematics by successfully completing Algebra II and two additional mathematics courses for which Algebra II is a prerequisite by selecting one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses: (A) (B) Precalculus; (C) Advanced Quantitative Reasoning; (D) Independent Study in Mathematics; (E) Discrete Mathematics for Problem Solving;** (F) Algebraic Reasoning;** (G) Statistics; (H) Advanced Placement (AP) or International Baccalaureate (IB) mathematics course (I) AP Computer Science; (J) Engineering Mathematics;** (K) Statistics and Risk Management;** (L) Discrete Mathematics for Computer Science **			
Advanced Science	Four credits in science by successfully completing chemistry, physics, and two additional science courses by selecting courses from one full credit or a combination of two half credits from two different courses, subject to prerequisite requirements, from the following courses: (A) Chemistry; (B) Physics; (C) Aquatic Science; (D) Astronomy;** (E) Earth and Space Science;** (F) Environmental Systems; (G) AP or IB science course in accordance with §74.11(h) of this title; (H) Advanced Animal Science; (I) Advanced Plant and Soil Science;** (J) Anatomy and Physiology; (K) Medical Microbiology; (L) Pathophysiology; (M) Food Science;** (N) Forensic Science; (O) Advanced Biotechnology;** (P) Principles of Technology;** (Q) Scientific Research and Design; (R) Engineering Design and Problem Solving;** (S) Principles of Engineering;			
Advanced Math and Science	In addition to Algebra II, chemistry, and physics, a coherent sequence of three additional credits from no more than two of the categories above.			

** Not currently offered at LTHS

Course Planning Guide Worksheets:

9th Grade	10th Grade	11th Grade	12th Grade
Eng Course:_____ Math Course: _____ Sci Course: _____ SS Course: _____ LOTE: _____ Fine Arts: _____ PATH/BIM : _____ Elective:_____	Eng Course:_____ Math Course: _____ Sci Course: _____ SS Course: _____ LOTE: _____ PE: _____ Elective: _____ Elective: _____	Eng Course:_____ Math Course: _____ Sci Course: _____ SS Course: _____ Elective: _____ Elective: _____ Elective: _____ Elective: _____	Eng Course:_____ Math Course: _____ Sci Course: _____ SS Course: _____ Elective: _____ Elective: _____ Elective: _____ Elective: _____

Students may update their existing 4 year plans via login at EduThings https://www.ctecoding.com

***Important: Students will be making official course selections for 2019-20 in the Qmlativ Student Information System. The link will be provided when student registration becomes active on February 19 and will remain available until March 8.**

Performance Acknowledgments TAC§74.14

(a) A student may earn a performance acknowledgment on the student's transcript for outstanding performance in a dual credit course by successfully completing:
(1) at least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0; or
(2) an associate degree while in high school.
(b) A student may earn a performance acknowledgment on the student's transcript for outstanding performance in bilingualism and biliteracy as follows.
(1) A student may earn a performance acknowledgment by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:
(A) completing all English language arts requirements and maintaining a minimum grade point average (GPA) of the equivalent of 80 on a scale of 100; and
(B) satisfying one of the following:
(i) completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
(ii) demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
(iii) completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or
(iv) demonstrated proficiency in one or more languages other than English through one of the following methods:
(I) a score of 3 or higher on a College Board Advanced Placement examination for a language other than English; or
(II) a score of 4 or higher on an International Baccalaureate examination for a higher-level languages other than English course; or
(III) performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.
(2) In addition to meeting the requirements of paragraph (1) of this subsection, to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:
(A) participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and
(B) scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).
(c) A student may earn a performance acknowledgment on the student's transcript for outstanding performance on a College Board Advanced Placement test or International Baccalaureate examination by earning:
(1) a score of 3 or above on a College Board Advanced Placement examination; or
(2) a score of 4 or above on an International Baccalaureate examination.
(d) A student may earn a performance acknowledgment on the student's transcript for outstanding performance on an established, valid, reliable, and nationally norm-referenced preliminary college preparation assessment instrument used to measure a student's progress toward readiness for college and the workplace or on an established valid, reliable, and nationally norm-referenced assessment instrument used by colleges and universities as part of their undergraduate admissions process by:
(1) earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation;
(2) achieving the ACT® readiness benchmark score on at least three of the five subject tests on the ACT Aspire™ examination;
(3) earning a total score of at least 1310 on the SAT®; or
(4) earning a composite score on the ACT® examination of 28 (excluding the writing subscore).
(e) A student may earn a performance acknowledgment on the student's transcript for earning a state-recognized or nationally or internationally recognized business or industry certification or license as follows.
(1) A student may earn a performance acknowledgment with:
(A) performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification; or
(B) performance on an examination sufficient to obtain a government-required credential to practice a profession.

(2) Nationally or internationally recognized business or industry certification shall be defined as an industry-validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by:
(A) a national or international business, industry, or professional organization;
(B) a state agency or other government entity; or
(C) a state-based industry association.
(3) Certifications or licensures for performance acknowledgements shall:
(A) be age appropriate for high school students;
(B) represent a student's substantial course of study and/or end-of-program knowledge and skills;
(C) include an industry-recognized examination or series of examinations, an industry-validated skill test, or demonstrated proficiency through documented, supervised field experience; and
(D) represent substantial knowledge and multiple skills needed for successful entry into a high-skill occupation.

Statutory Authority: The provisions of this §74.14 issued under the Texas Education Code, §§7.102(c)(4); 28.002; 28.018; and 28.025.

Source: The provisions of this §74.14 adopted to be effective July 8, 2014, 39 TexReg 5149; amended to be effective August 22, 2016, 41 TexReg 5040; amended to be effective August 27, 2018, 43 TexReg 4190.

General Information

Advanced Placement/Pre-Advanced Placement Courses

The Advanced Placement Program, sponsored by the College Board, offers students an opportunity to take college-level courses in high school. If students take AP exams and score in an acceptable range, advanced placement credit may be awarded by universities upon college entrance. Students should contact directors of admissions at colleges of their choice to ask about specific advanced placement and credit policies. Costs of the exams must be paid for by the student, however, financial assistance may be available upon approval from the Associate Principal. For further information on how much credit is offered at various schools, visit: http://www.collegeboard.com/ap/creditpolicy.

AP Courses & Exams: Students take AP Examinations in May after completing challenging AP courses. Most of the nation's colleges and universities award credit, advanced placement, or both based on successful performance on the AP exams. Credit can range from 3-10+ college hours per course for a score of 3, 4, or 5 on the AP Exam. LTHS currently offers the following AP courses:

Art Design	Comparative Govt & Politics	Human Geography	Psychology
Art History	Computer Science	Latin	Spanish Language
Art Portfolio	Computer Science Principles	Macroeconomics	Spanish Literature
Biology	English Language	Microeconomics	Statistics
Calculus AB	English Literature	Music Theory	US Government
Calculus BC	Environmental Science	Physics 1	US History
Chemistry	European History	Physics 2	World History
Chinese	French	Physics C	

Pre-Advanced Placement (Pre-AP) and Honors courses in High School: Students will receive high quality, rigorous instruction in all courses at LTHS. Students may choose to take advanced classes appropriate to their interests and academic strengths. Pre-AP and Honors courses are open enrollment and are designed to prepare students to be successful in AP, Dual Enrollment and Advanced Honors classes.

- Recommended Prerequisites include:
  - A grade of 85 or higher in a related academic content area course
  - Scores at the Advanced Level III on the most recent corresponding STAAR exam(s)
- Requirements to be successful in Pre-AP/Honors:
  - Excellent study and organizational skills
  - Strong interpersonal skills
  - Persistence in pursuing goals
  - A strong sense of responsibility
  - The ability to become an independent learner
  - A desire to be academically successful
  - Proficient oral and written communication skills

Alternating Block Schedule
Lake Travis High School operates on an alternating block format with four classes meeting every other day. The Fall Semester is from August through December and the Spring Semester is from January to May. Most courses will meet every other day, all year. If a course is "double-blocked" it will either meet every day, all year or back-to-back class periods, and will consume two of the eight total blocks in a student's schedule.

Attendance
It is important to note that poor attendance adversely affects grades. By failing to meet state minimum standards for days in class, students lose credit for the class even if a passing grade is earned. Please refer to the student handbook for additional information.

Cavs in Service
Cavs in Service is a program designed to encourage students to volunteer in their community. Any Lake Travis High School student may participate and will receive a community service cord at graduation upon completion of the required service hours. A total of 100 hours is required to graduate as a Lake Travis Scholar. For more information, see our website at http://www.ltisdschools.org/Cavsinservice.

Correspondence Courses
Students may earn a maximum of 3 credits towards graduation by correspondence. Credit toward state graduation requirements will be granted after successful completion if the institution offering the course is the University of Texas at Austin, Texas Tech University, or another public institution approved by the Commissioner. Grades earned in correspondence courses are not used to compute class rankings or GPA. Seniors must complete correspondence courses and submit grades by the end of the fall semester to be eligible for graduation. Any extension must be cleared through the Associate Principal. Student athletes need to check with the NCAA Eligibility Center concerning their policy for accepting or rejecting correspondence courses at www.eligibilitycenter.org ***Requires signed request form from student's high school counselor.*** Students may take these courses:

- Algebra 1 & 2
- Art 1
- Biology
- Chemistry
- Economics
- English 1-4
- Geometry
- IPC
- PE
- Physics
- Pre-Calculus
- Spanish 1-3
- US Government
- US History
- World Geography
- World History

Credit
All credit must be completed in grades 9-12 except high school courses satisfactorily completed in grades 6, 7 and/or 8. Only courses approved by the State Board of Education (SBOE) and listed in the Texas Administrative Code, Chapter 74 may be used to meet graduation requirements. Courses listed in this catalog are SBOE-approved except those noted as "Local Credit Only" developed to meet identified LTISD needs or interests. Local credit and grades are awarded for these courses to document participation. Credit may be earned by satisfactorily completing correspondence courses (limit of 3 credits), dual credit/dual enrollment courses, and/or credit by exam for acceleration and/or recovery if the student has obtained prior approval and submitted transcripts of grades to the high school registrar.

Credit by Exam for Acceleration (EA)
Exam for acceleration allows students who have not had formal instruction but have already mastered content and skills in a particular course to advance by scoring an 80% or higher for credit. Credit by Exams are developed by the University of Texas UT High School or Texas Tech University Independent School District. Students and parents should submit exam for acceleration results to their campus prior to the first school day of the academic year if the student desires the exam results to impact the student's schedule for that academic year. While students may take exams for acceleration at any time, campuses are not required to change student schedules during the semester to accommodate exam results. A student may not attempt more than two times to receive credit for a particular subject on the basis of an examination for credit in that subject. If students choose to test outside of the district testing windows (4 times a year), they may after obtaining counselor approval, contact the University of Texas UT High School or Texas Tech University Independent School District and pay the fees to have the test administered at their convenience. Student athletes must check with the NCAA Eligibility Center concerning their policy for accepting or rejecting Credit by Exam for Acceleration at www.eligibilitycenter.org ***Requires signed request form from student's high school counselor.***

Credit by Exam for Credit Recovery (CBE)
Students may use credit by examination to demonstrate mastery in any subject to earn credit in any academic course as available at the secondary level. Such examinations shall assess the student's mastery of the essential knowledge and skills. The student must score at least 70% on the exam to regain credit for the course or subject. Students must purchase each CBE from UT or Texas Tech. A fee shall be charged for proctoring the examination; however, the fee may be waived for economically disadvantaged students in accordance with board policy. These tests are developed by the University of Texas UT High School or Texas Tech University Independent School District.

Students may be authorized to take a Credit by Exam if the student is enrolling in the District from a non-accredited school if the student has failed a subject or course. For Credit by Exam to be used for the purpose of credit recovery, a student must have recorded a failing grade on his/her transcript for the semester of the exam to be taken. To recover credit a student must score a 70% or higher on the exam. Graduating seniors will not be authorized to take a Credit by Exam for credit recovery for a course they are currently enrolled in for the Spring semester of their senior year. These seniors will need to consult with their counselor regarding other options for credit recovery. Students assume the cost for these examinations. Student athletes need to check with the NCAA Eligibility Center concerning their policy for accepting or rejecting Credit by Exam for Credit Recovery courses at http://www.eligibilitycenter.org ***Requires signed request form from student's high school counselor.*** The following courses are currently offered via Credit by Exam for Credit Recovery:

Algebra 1 & 2
Art 1
Biology
Chemistry
Economics
English 1-4
French 1, 2
Geometry
IPC
Physical Education
Physics
Pre-Calculus
Spanish 1-3
US Government
US History
World Geography
World History

Credit Recovery or Acceleration Online
LTHS uses the Edgenuity online self-paced computer program for credit recovery or acceleration for Juniors and Seniors. Students work on the computer during the school day as a scheduled class or outside the school day (including summer school) to regain credits for courses in which they have already taken but failed or in circumstances that warrant a need to accelerate credit achievement. There is an application process to be in the CAVS Academy – Cavalier Alternative Version of Study that includes minimum grade and attendance requirements. Students must apply and be approved by the Administrator to be in the credit recovery class period. See your counselor for more information on credit recovery eligibility. Student athletes need to check with the NCAA Eligibility Center concerning their policy for accepting or rejecting Edgenuity courses at http://www.eligibilitycenter.org. Edgenuity is available in the following courses:

Algebra 1 & 2
Biology
BIM .
Chemistry
Economics
English 1-4
Geometry
IPC
Physics
Pre-Calculus
US Government
US History
World Geography
World History

Dual Credit Courses Austin Community College
Lake Travis High School juniors and seniors may enroll in college courses to earn college hours and/or satisfy high school graduation requirements. If the course does satisfy high school graduation requirements, it is dual credit. If the college course does not satisfy high school graduation requirements, it is referred to as co-enrollment. Students must obtain counselor and parent approval before enrolling in a college course. Dual credit courses with a grade of B or better may be used to meet one Advanced Measure on the Lake Travis Scholar Program. A grade of C or higher is required to receive high school credit in a dual credit course. Four Dual Credit courses may be used to count as a Multidisciplinary Endorsement. ***Students must be accepted for admission by Austin Community College and obtain a Request for Correspondence Course, Credit By Exam and Dual Credit form from his/her high school counselor for each semester they wish to enroll.***

Enrolling in an Austin Community College (ACC) Course
Lake Travis High School students may enroll for two courses per semester. A tuition fee of $150 per course may be assessed by ACC. ACC tuition/fees may change at any time according to ACC regulations. To enroll in a course, students must be a junior and demonstrate TSI college readiness in reading, writing and math. See counselor for required readiness for ACC classes. Potential students must also satisfy college course skills prerequisites.
TSI – Texas Success Initiative Assessment
The Texas Success Initiative (TSI) assessment is a three-part computer-based knowledge assessment covering Reading, Mathematics and Writing. Texas law requires all entering college students to be assessed for college readiness in these subjects, unless the student qualifies for an exemption. Registration information is available in the counseling office.

Students can be exempt if they meet one of the following standards:

- SAT – Critical Reading minimum score of 480 and a Math minimum score of 530
- ACT – Minimum 23 composite with 19 or higher math and English

Dual Credit Courses Outside of the School Day: Juniors and seniors may enroll in college courses to accumulate college credit and/or satisfy high school graduation requirements. Students taking dual credit courses are enrolled with the college for the course and are thereby subject to the policies and procedures of the sponsoring institution of higher education. Please see the counseling office for more details.

Dual Credit Courses during the School Day: Lake Travis High School Juniors and Seniors who meet TSI eligibility criteria and are admitted to ACC may take Dual Credit class work on the Lake Travis High School campus. Although these courses are taught on the LTHS campus, Dual Credit courses are taught by ACC faculty and grades are earned and posted to an ACC transcript. Grades are then transferred from ACC to LTHS and posted to an LTHS transcript. A student must earn a grade of C (70) or better to earn high school credit and a grade of B (80) or better is necessary to earn credit for an advanced measure. Courses are taught during the regular school day and are blocked in a series of two classes to accommodate the A Day / B Day schedule thus students may not drop from a single class. All curriculum, grading standards, textbooks, and costs are determined by Austin Community College. Both obtaining textbooks and the cost of the textbook will be the responsibility of the student. All courses are contingent on meeting ACC minimum enrollment requirements and availability of ACC faculty. Please refer to the ACC link on the LTHS Counseling website for further details on the application process for ACC Dual Credit classes.

Classification	Fall Semester		Spring Semester	
	ACC Course Number	Course Title	ACC Course Number	Course Title
****Junior Year 2019-20**	*ENGL 1301	English Composition I (Green book with American Literature)	*ENGL 1302	English Composition II (Green book with American Literature)
	GOVT 2305	US Government	ECON 2301	Macroeconomics

*** ENGL 1301 & 1302 offered with the Green book curriculum for sections offered on a high school campus ONLY. If ENGL is taken at an ACC Campus or distance learning, students must complete ENGL 1301, 1302, & 2327 to receive credit for English III.**
****It is Lake Travis High School policy that students must have completed US History prior to his/her junior year or be concurrently enrolled in US History in order to participate in the Junior Year ACC Dual Credit Block.**

Classification	Fall Semester		Spring Semester	
	ACC Course Number	Course Title	ACC Course Number	Course Title
Senior Year 1 2019-20 (1st year in dual-credit)	*ENGL 1301	English Composition I (Yellow book with British Literature)	*ENGL 1302	English Composition II (Yellow book with British Literature)
	ECON 2301	Macroeconomics	GOVT 2305	US Government **OR**

*** ENGL 1301 & 1302 offered with the Yellow book curriculum for HS ENGL section ONLY. If ENGL is taken at an ACC Campus or distance learning, students must complete ENGL 1301, 1302, and 2322 to receive credit for English IV.**

Classification	Fall Semester		Spring Semester	
	ACC Course Number	Course Title	ACC Course Number	Course Title
Senior Year 2 2019-20 (took dual credit in 2018-19)	ENGL 2322	English British Literature I	HIST 1301	US History I Co-enrollment
	GOVT 2306	Texas Government Co-enrollment	TBD	Fine Arts Dual Credit

Articulated Courses

Students who take designated Articulated courses can receive college credit and earn advanced measures to meet graduation requirements. In order to receive college credit, at the minimum, students must earn a B or higher, sign up in CATEMA, and complete one course at ACC. Some courses have additional requirements. Once students earn credit in their first ACC course, the college credit for the equivalent courses will appear on their ACC transcript at no cost. Many of these credits may be transferable. This credit is awarded by ACC after the student graduates and sends ACC a final high school transcript. Contact the Counseling office for more information.

Dual Enrollment Courses University of Texas OnRamps
LTISD is partnering with the University of Texas at Austin to provide dual-enrollment courses during the school day. Students are taught by an LTHS teacher in collaboration with a UT professor and take college assessments over the course of the year. If they average 75% on the fall assessments, they are eligible to earn college credit for their coursework in the spring. High school grades and college grades are recorded separately. The student enrollment fee for OnRamps dual enrollment courses is partially subsidized by state funding. Cost to students will be communicated as it becomes available from the university.

Early Graduates
Students wishing to graduate early must apply for early graduation by returning the required completed form to their counselor. To be eligible to graduate early, students will complete all coursework and the state required testing required of the 9th-grade class in which they begin high school. In addition, any correspondence courses must be completed by the end of the semester prior to graduation. Early graduates will be ranked in the Spring semester prior to graduation with the graduating class with which they actually graduate and will be eligible for honors positions (except Valedictorian and Salutatorian). However, students who meet the requirements of the Early High School Graduation Scholarship Program under Education Code 56.203 at the end of summer school will not be ranked within a graduating class. Those who graduate one semester early will retain the rank earned at that time. EIC (Local) Policy

Eligibility Requirements for Extracurricular Activities
Lake Travis High School competes in a number of academic and athletic extracurricular activities to provide enrichment opportunities for students. To participate, students must maintain academic eligibility. To do so, students must maintain a grade of 70% or higher in all academic subjects other than UIL exempt or locally exempt advanced courses.

Locally exempt advanced courses recognized by LTHS includes all Pre-AP, AP, Honors, and Advanced Honors or dual credit dual enrollment course in the subject areas of English language arts, mathematics, science, social studies, economics, or a language other than English, as well as, selected Honors courses as approved by the school board each year. Students should check with their coach/director or counselor for a list of selected locally exempt Honors courses. AP courses are exempt from eligibility requirements. Pre-AP and Honors courses are granted a waiver for eligibility. The waiver is applicable on a one time basis per course, per semester.

UIL participants are eligible to participate in contests during the first six weeks of the school year provided the following standards have been met:

- Students beginning in grades nine and below must have been promoted from the previous grade prior to the beginning of the current school year.
- Students beginning their second year of high school must have earned five credits, which count toward state high school graduation requirements.
- Students beginning their third year of high school either must have earned a total of ten credits which count toward state high school graduation credits or have earned a total of five credits which count toward state high school graduation requirements during the 12 months preceding the first day of the current school year.
- Students beginning their fourth year of high school either must have earned a total of 15 credits which count toward state high school graduation credits or have earned a total of five credits which count toward state high school graduation requirements during the 12 months preceding the first day of the current school year.

Foreign Exchange Students
Lake Travis High School has a limit of 5 spots per school year for foreign exchange students and fills the allotted spots on a first-come-first-serve basis through an approved foreign exchange student agency with the appropriate, approved documentation. The foreign exchange student's paperwork will be reviewed by the Associate Principal. Once approved, the student and their host family (who must live in Lake Travis ISD), will contact the Registrar's office to complete enrollment at LTHS. Foreign exchange students may only attend the school for one school year as a guest student and will not graduate from Lake Travis High School.

Gifted and Talented (GT) Program
Identified GT students are served through group and individualized instruction in the classroom as well as through special programs. These special programs include extensions of the classroom, programming, accelerated pacing, enrichment activities, specially designed courses, Pre-AP, Honors and AP classes, dual credit/dual enrollment coursework, grouping with GT peers, and exams for acceleration. All students who have previously been identified gifted by Lake Travis ISD are admitted into the program. Teachers, parents, or students may nominate students for the program. Nominated students will have the option to participate in an assessment to determine eligibility for the program according to district guidelines.

In order for students to remain active in the GT Program, they must participate in Honors, Pre-AP, AP or Dual Credit Coursework. Students who do not participate in any of these courses will receive a letter noting that they are choosing to "furlough" those requirements for a year. If a student furloughs for more than one year, they are considered inactive and may be exited from the program.

Gifted and Talented (GT) Graduation Recognition

A student identified as Gifted and Talented is eligible to receive special GT recognition if FOUR of the following criteria are met during his/her high school career. This recognition occurs at the Honors Ceremony and in the Graduation Program. The student must complete the required criteria and submit the appropriate form to his/her counselor by May 1st of his/her senior year.

- A student may satisfy **THREE** of the criteria for GT graduation recognition by taking AP classes, and making a final, unweighted grade of 80 or higher and/or passing the AP exam with at least a score of 3.
- The fourth MUST be satisfied with one of the following: *(students may not repeat any of these as part of their 4 criteria, i.e., two 2nd place finishes at the regional level = 1 criteria)*
  - Completion of an advanced GT independent study, either through the ISM course or as an independent study outside of school hours.
  - National Merit Scholar – Semifinalist, Commended, National Hispanic
  - Publication in an approved nationally or state recognized journal or magazine (can be a print article, photo, or art publication). No Internet publication will be accepted.
  - Regional placement (1st – 6th) in U.I.L., school-based competition in academic, arts, athletics, band, cheer, choir, dance, DECA, forensics (speech & debate), HOSA, orchestra, theater or VASE

Seniors who are in year one of a GT furlough and meet the above criteria will be eligible for recognition. Seniors who are in year two of a GT furlough are considered inactive and will not qualify for the GT recognition.

Grade Level Classification

Freshman:	Must have been promoted from the 8th grade.
Sophomore:	Must have earned 6 credits and completed one year of high school.
Junior:	Must have earned 12 credits and completed two years of high school.
Senior:	Must have earned 18 credits and completed three years of high school.

(Exception for students who have filed an Early Graduation Plan)

This classification is based on the number of credits at the beginning of each year. Credit for correspondence, dual credit, and credit by exam is not awarded until the final grade is recorded in the registrar's office.

High School Courses Taken in Middle School

LTISD offers courses for high school credit in middle school. Students who take these courses must show satisfactory completion of the prerequisite and Texas Essential Knowledge and Skills as well as state and district requirements. Credit will be reflected on the student's high school transcript; grades for these courses will not be averaged in the high school GPA. Students who complete Algebra 1 and/or Geometry in middle school should plan to continue with higher-level mathematics courses in grades 9-12. Students who successfully complete another language in the 8th grade may use this unit to satisfy one credit of the "Other Languages" requirement.

Lake Travis Scholar Program

The Lake Travis School Board established the Lake Travis Scholars Program to recognize and support students whose academic achievement surpass state requirements. A graduating senior must meet all the following requirements to receive recognition as a Lake Travis Scholar outlined in EIF(Local) Policy. LT Scholar recognizes students whose academic achievement surpasses state requirements. For the LT Scholar distinction, graduates must complete the Foundation Program with Endorsement and Distinguished Level of Achievement (including Chemistry, Physics, World History, and World Geography or Human Geography and 3 years of the same LOTE), and all required expectations of the Cavs in Service Program (100 hours). In addition, the Lake Travis Scholar will require 4 advanced measures, 3 or more of which must be a score of 3 or higher on an AP exam, and must maintain an overall 90.0 or higher GPA. Other advanced measures include: college academic and/or articulated courses with a grade of 3.0 or higher; or a PSAT score qualifying for National Merit Scholar Commended or higher, National Hispanic Scholar Recognition or scoring a 3 or higher on a fourth AP exam.

NCAA

The National Collegiate Athletic Association (NCAA) is an organization that determines if a high school athlete qualifies to receive scholarship monies from Division I or Division II colleges or universities. No university may award a scholarship to a student without the approval of the high school student's high school transcript by the NCAA. Students

who are interested in competing at the university level are encouraged to be well informed of the requirements for NCAA approval. Students should register with the NCAA at the Student Eligibility Center (http://web1.ncaa.org/ECWR2/NCAA_EMS/NCAA.jsp) during their junior year in high school and order an official transcript from LTHS to be sent to the NCAA Clearinghouse. Final approval by NCAA for a scholarship will be made upon the receipt by the NCAA of a final Graduated Transcript sent by LTHS the month after a student is graduated for LTHS. The NCAA requires specific courses and grades as well as a corresponding ACT or SAT test scores for approval. Please see your counselor for details. Student athletes should check with the NCAA Eligibility Center concerning their policy for accepting or rejecting summer school, CBE's, correspondence courses, Odysseyware courses, etc. at http://www.eligibilitycenter.org

Physical Education Substitutions
Students may substitute certain physical activities for PE credit: Fall Semester Marching Band, Cheerleading, Fall Semester Drill Team, or Athletics.

Physical Education Waiver Information
Students involved in off-campus athletic programs may request PE credit through a PE waiver. Students must complete a PE equivalency waiver application with an attached letter from the supervising agency verifying the time and level of participation. **Applications are due to the counseling office prior to the start of the semester in which the waiver is being requested. See the district website under Families > Off Campus Physical Education (OCPE)** Letters of participation/credit form from the supervising agency are to be delivered to the counseling office at the end of each semester to receive 0.5 credit.

Category 1: A waiver request considered under this category must be approved by the Lake Travis ISD Board of Trustees and submitted to the Texas Education Agency for final approval each school year. Under this category, the student must attend a private or commercially sponsored physical activity program that leads to Olympic level participation and/or competition. These programs typically involve a **minimum of 15 hours per week** of highly intensive, professionally supervised training. The training facility, instructors and the activities involved in the program must be certified by the Superintendent or his designee to be of exceptional quality. Students participating at this level may receive a maximum of one-half credit per semester and no more than four credits toward state high school graduation requirements. Students qualifying and participating at this level may be dismissed from school one period per day for such participation.

Category 2: A waiver in this category must be approved by the Lake Travis ISD Board of Trustees but does not require approval from the Texas Education Agency. The student must attend private or commercially sponsored physical activity programs as certified by the Superintendent or his designee to be of high quality with well-supervised, appropriately trained instructors. The program must consist of a **minimum of five hours per week** of highly intensive, professionally supervised training. Students participating at this level may receive a maximum of one-half credit per semester and no more than four credits toward state high school graduation requirements. Students participating at this level may not be dismissed from any part of the regular school day.

Schedule Change Policy
Each year students are registered individually in the spring semester through Qmlative and given ample opportunity to make scheduling choices and changes for the following school year. Students will create a four-year plan with their counselor to encourage forward thinking and planning regarding the classes a student may need for high school graduation requirements as well as satisfactory college preparation. In an effort to ensure that students choose the courses that they would like to take, that school begins smoothly and that classes do not become overcrowded, we will follow the schedule change policy outlined below:

1. Students are allowed to request schedule changes during the Spring Semester or before the second Thursday in June.Course selection confirmations will be sent home in late spring with ample opportunity for students and parents to review course choices for the following school year. All requests for changes must be made in writing. No requests for schedule changes will be accepted after the beginning of the first day of class.
2. Courses that require prerequisites or tryouts may require a schedule change after the beginning of the school year. Coaches and teachers will submit those changes to the Counseling Office for the requisite change.
3. Level changes from PAP or AP classes will be considered at the nine-week grading period in the fall semester only. Requests for a change in levels may be approved if space is available in the requested class. We will not overload a classroom to accommodate a level change request. Please be aware that some advanced courses do not have lower level classes and students may not drop from those classes after the first day of class each semester. (Example: AB Calculus) **Note: The grade a student has earned in an AP or PAP course at the time the course is dropped will follow the student to the regular course.**
4. Requests for teachers or to change teachers will not be considered. Lunches may not be selected.

Section 504 Services
Section 504 of the Rehabilitation Act of 1973 prohibits discrimination and assures that students with disabilities have educational opportunities and benefits equal to those provided to nondisabled students. Eligible students are regarded as having a physical or mental impairment which substantially limits one or more major life activities, including learning, self-care, walking, seeing, hearing, speaking, breathing, working, and performing manual tasks.

Special Education Services
The Lake Travis Independent School District provides a continuum of specially designed instructional supports and services for students with disabilities eligible for Special Education services. A full range of academic supports for grades 9-12 are available at Lake Travis High School and can be accessed through either the general program of instruction or through special education instruction and related services, as determined by the admission, review, and dismissal (ARD) committee. The Individualized Education Plan (IEP) identifies the critical skills needed for academic and post-graduation success. Should you have any questions concerning special education services, please call the counselor or campus Licensed Specialist in School Psychology (LSSP). The Continuum of Special Education Services and Supports by meeting the individual needs of students through educational services and supports which include regular, basic, applied and vocational education classes. Necessary accommodations in the curriculum, teaching methods, testing methods, and other special solutions or arrangements meet the individual learning needs as determined by an ARD Committee and each student's Individualized Education Program (IEP). Further information about access to these classes can be obtained from the special education department. As collaborative supports within general education classes are considered to be a service determined by the ARD Committee, they are not listed as courses in this guide.

State Assessment - STAAR (State of Texas Assessment of Academic Readiness)
Students must receive a passing score on the following EOC Assessments: English I, English II, Algebra I, Biology, U.S. History to qualify for graduation.

Student and Parent Responsibility
It is the responsibility of the student and parent to see that graduation requirements are met. Contact a school counselor for questions about courses, registration, state-required exit level exams, or other graduation requirements. It is required that every student complete a four-year graduation plan and update it annually with a school counselor.

Summer School
Lake Travis High School offers a limited number of courses during the summer for both credit recovery and original credit without prior instruction. Please see the Lake Travis High School website for further details regarding course offerings, costs and times/dates. Student athletes should check with the NCAA Eligibility Center concerning their policy for accepting or rejecting summer school courses at http://www.eligibilitycenter.org

Texas Scholarship, Grant, and Admission Programs
- **Automatic Admission – Top 10% Rule** Students who graduate in the top 10% of their class may receive automatic admission to Texas public colleges and universities. This rule has been modified for The University of Texas at Austin please see UT Austin Admissions for the most recent admissions information. Students entering the ninth grade in the 2014-2015 school year or thereafter must also meet the following requirements:

  Successfully complete the

  Recommended or Distinguished High School Programs, or the

  Distinguished Level of Achievement under the Foundation High School Program or

  Earn a score on the ACT that at least meets the **ACT's College Readiness Benchmarks**, or

  a minimum score of 480 on the Evidenced-Based Reading and Writing (EBRW) test and a minimum score of 530 on the mathematics test (no combined score) if the SAT was administered on or after March 5, 2016.

- **Texas Tuition Grant –** The Texas Tuition Grant provides money to financially eligible students who have completed requirements of the Foundation High School Program or Distinguished Level of Achievement graduation programs, are Texas residents enrolled at least ¾ time in a public college in Texas, and have not been convicted of a felony or crime involving a controlled substance.
- **Valedictorian Exemption –** The top-ranked senior of each Texas public high school is exempt from certain costs for the first two semesters of a Texas public college or university.

Texas Success Initiative (TSI)
TSI is a college readiness standard that must be met by each student who will attend a Texas public college or university. Students who have not met the TSI standard prior to college admission may be required to take developmental math, reading or writing classes and pay college tuition dollars for these non-college classes. Lake Travis ISD would like every LTHS senior who graduates to have met these standards prior to graduation. TSI can be met through scores on SAT and ACT and also by meeting score standards on the TSI test. Seniors should contact his or her alpha counselor for additional information.

Transfer Credit Policy - Course Credit from an Accredited State, National, or International School
LTHS grants course credit from an accredited educational institution providing that (1) the course credit is recorded on an official transcript of that educational institution, (2) the course is a recognized credit course in the State of Texas, and (3) the course meets the TEKS for the specific course.

For those courses meeting the above three criteria, LTHS uses a numerical grade as shown on the educational institution's official transcript for calculating GPA and class rank except for grades from non-American educational institutions. Grades for International or non-American educational institutions will receive a Pass/Fail for each credit on the transcript according to the official record from the previous school. In addition, LTHS shall award honor points for the purpose of GPA and class rank for any grade that meets the above three criteria if the educational institution's official transcript designates the course as honors, Pre-AP, AP, IB, or accelerated. Honors points will only be awarded for courses that are offered at LTHS at the accelerated level. If the educational institution does not provide a numerical grade, LTHS shall assign the following numerical grades for letter grades:

Letter Grade Conversion Table

A+ 98	A 95	A- 92	A-4.0
B+ 88	B 85	B- 82	B-3.0
C+ 78	C 75	C- 72	C-2.0
D+ 68	D 65	D- 62	D-1.0

Transfer credit will not be awarded for any grade that is a "D" unless credit is reflected on the transcript of the educational institution that assigned the grade. In those cases, LTHS will honor that credit. Credit will not be awarded any courses receiving an "F". Any "P" pass shall not be granted grade points; however, credit shall be granted for any course receiving a "P" and meeting the above three criteria as stated in the first paragraph. Course credit earned through credit recovery will receive a "P."

Valedictorian and Salutatorian Recognition
In order to compete for the honors of valedictorian and salutatorian, a student must be enrolled at this campus for his/her entire junior and senior years. In addition, the student must complete at least six state credits at the high school in the senior year. In order to be eligible to be valedictorian or salutatorian, a student must meet all graduation requirements for the Foundation Program with Endorsement and Distinguished Level of Achievement. (EIC-Local)

GPA Calculation Information

Grading and Averaging
Grade Scale: A: 90 – 100 B: 80 – 89 C: 70 – 79 F: Below 70

Students earn credits in 0.5 increments and need a 70% or higher to earn each 0.5 credit.

Semester Calculation: The average of both nine weeks will equal ninety percent (90%) of the semester grade plus the semester exam grade which will equal ten percent (10%) of the semester grade.

Semester Averaging: A student who fails one semester of a two-semester course can earn credit for a full year if the overall average is a 70% or higher. Semester averaging is only allowed between semesters in a single school year and not over multiple years.

Weighted Numerical Grade Average

Students academic achievement record will provide an unweighted grade point average on a 4.0 scale.

Grade Points Earned: A (90 – 100): 4 points B (80 – 89): 3 points C (70 – 79): 2 points
D (60 – 69): 1 point F (59 or below): 0 points

A student's cumulative Weighted Numerical Grade Average begins at the end of the first semester of the freshman year and is recalculated at the end of each semester.

For a student who entered grade 9 prior to the fall of 2015, calculation of the student's Weighted Numerical Grade Average shall include grades earned in all courses except the following courses, whether earned in the District or transferred:

- Credits earned through traditional correspondence or distance learning courses, including Texas Virtual School Network (TxVSN) courses, or other distance learning technology courses;
- Credits earned through credit by examination, for either recovery or acceleration;
- Credit recovery courses;
- Dual credit courses;
- Designated courses, including driver's education, physical education or physical education substitutes, or any local credit course;
- Courses for which the student has previously received credit;
- Pass/fail courses, whether earned in the District or transferred; and
- High school courses taken in middle school.

For a student who enters grade 9 in the 2015-2016 school year or in any subsequent school year, calculation of the student's Weighted Numerical Grade Average shall include grades earned in all courses except the following courses, whether earned in the District or transferred:

- Credits earned through traditional correspondence or distance learning courses, including Texas Virtual School Network (TxVSN) courses, or other distance learning technology courses;
- Credits earned through credit by examination, for either recovery or acceleration;
- Credit recovery courses taken through an online program;
- Dual credit courses;
- Local credit courses;
- Credits earned for physical education through District-approved private or commercially sponsored physical activities (PE waivers);
- Summer school courses taken for original credit without prior instruction;
- Courses for which the student has previously received credit;
- Pass/fail courses; and
- High school courses taken in middle school.

For a student who entered grade 9 prior to the fall of 2015, additional points shall be added to the student's final course grade for the purpose of class ranking as follows:

All Pre-Advanced Placement (AP), Pre-International Baccalaureate (IB), and honors courses taken in high school:

90–100	10 points
80–89	8 points
70–79	6 points

All AP, IB, and advanced honors courses taken in high school:

90–100	15 points
80–89	12 points
70–79	9 points

For a student who enters grade 9 in the 2015-2016 school year or in any subsequent school year, weights shall be assigned to the student's semester grades for the calculation of a weighted numerical grade average in accordance with the following scale:

Category	***Weight***
Un-weighted	multiplied by 1.0
Weighted, Pre-AP and Honors	multiplied by 1.1
Weighted, AP, Advanced Honors, OnRamps	multiplied by 1.2

A student who *enters grade 9 in the 2015-2016 school year* or in any subsequent school year, shall be required to take a minimum of four un-weighted credits during high school. These four un-weighted credits shall be used in the calculation of class rank and of the top ten percent. A student shall complete three of the four required un-weighted credits prior to the beginning of his or her senior year.

Un-weighted courses shall provide a challenging curriculum based on the Texas Essential Knowledge and Skills (TEKS).

Pre-AP & Honors courses extend and enrich the TEKS. They shall be academically rigorous courses that provide the skills and strategies students need to succeed in future AP courses.

AP courses provide a college-level curriculum and are nationally recognized for their advanced level of curriculum. Students may earn college credit for these courses. Advanced Honors courses are courses that exceed offered AP courses or follow in the course sequence after offered AP courses.

Weighted Pre-AP and Honors Courses:

Algebra 1 Pre-AP
Algebra 2 Pre-AP
Anatomy & Physiology Honors
Aquatic Science Honors
AV Production Practicum Honors
Biology Pre-AP
Chemistry Honors
Civil Engineering & Arch. Honors
Public Speaking 1,2,3&4 Honors
Digital Electronics Honors
GT/UIL Academics Honors
Engin. Design & Develop. Honors
English 1 Pre-AP
English 2 Pre-AP
English 4: Shakespeare Honors
English 4: British Literature 19th Century Honors(.5)
English 4: British Literature 20th Century Honors(.5)
French 2 Pre-AP
French 3 Pre-AP
Geometry Pre-AP
International Business Honors
ISM Honors
Latin 3 Pre-AP
Med Microbio Honors (0.5)
Model United Nations Honors
Oral Interp 1,2,3&4 Honors
Pathophysiology Honors
Pract. in Health Sci 1 & 2 Honors
Prin of CyberSecurity Honors
Principles of Engineering Honors
Robotics Honors
SRDC Chemistry Honors
SRDC STEM Honors
Spanish 2 & 3 Pre-AP
World Geography Pre-AP

Weighted AP, Advanced Honors & OnRamps Courses:

Algebra 2 OnRamps
Art History AP
Art Design AP
Art 2D/3D Portfolio AP
Biology AP
Calculus AB AP
Calculus BC AP
Chemistry AP
Chinese Language AP
Comparative Govt AP (0.5)
Computer Science AP
Computer Science Principles AP
Computer Science 3 Adv Honors
Computer Science OnRamps
English 3 AP
English 3 OnRamps
English 4 AP
Environmental Science AP
European History AP
French 4 AP
French 5 Adv Honors
Government AP (0.5)
Human Geography AP
Latin 4 AP
Latin 5 Adv Honors
Linear Algebra Adv Honors
Macroeconomics AP (0.5)
Microeconomics AP (0.5)
Multivariable Calc Adv Honors
Music Theory AP
Physics 1 AP
Physics 2 AP
Physics C AP
Physics OnRamps
PreCalculus OnRamps
Psychology AP
Spanish 4 Language AP
Spanish 5 Literature AP
Statistics AP
Statistics OnRamps
US History AP
US History OnRamps
World History AP

Un-Weighted Core Courses:

Algebra 1,2,3
AQR
Aquatic Science
AV Production 1, 2
Biology
Chemistry
College Algebra
Economics (0.5)
English 1,2,3,4
Environmental Studies
ESOL 1 , 2
Forensics
Geometry
Government (0.5)
IPC
Physics
Pre-Calculus
Sheltered English 1, 2 , 3
Statistics
US History
World Geography
World History

Un-Weighted Non-Core Courses:

Accounting
Advanced Animal Science
Advanced Theatre Prod 2, 3 & 4
Advertising & Sales Promotion
Ag Mech & Metal/Welding 1
Agricultural Power Systems
Applied Music
Architectural Design
Art 1
Art 2, 3 & 4 Ceramics
Art 2,3, & 4 Sculpture
Art 2, 3 & 4 Drawing & Painting
ASL 1, 2 & 3
Athletic Trainer 1,2,3&4
Band 1,2,3&4
Banking and Financial Services
BIM
Business Law
Career Prep
Cavalette Dance Team 1,2,3&4
Cheerleading 1,2,3&4
Chinese 1, 2
Color Guard 1,2,3&4
Counseling & Mental Health
Court Systems and Practices
Creative Writing (0.5)
Creative Writing Workshop
Dance 1,2,3&4
Digital Photography 1 & 2
Entrepreneurship
Fashion Marketing (0.5)
Film History (0.5)
Financial Mathematics
French 1 & 2
Fund. of Computer Science
Global Business (0.5)
Graphic Design & Illustration 1
Health Science
Horticulture Science
Interior Design
Intro to Engineering Design
Jazz Ensemble
Journalism (0.5)
Landscape Design
Latin 1 & 2
Lifetime Nutrition
Livestock Production
Medical Terminology
Men's Baseball 1,2,3&4
Men's Basketball 1,2,3&4
Men's Cross Country 1,2,3&4
Men's Football 1,2,3&4
Men's Golf 1,2,3&4
Men's Soccer 1,2,3&4
Men's Swimming 1,2,3&4
Men's Tennis 1,2,3&4
Men's Track 1,2,3&4
Men's Wrestling 1,2,3&4
Money Matters
Music & Media Communications
Non-Varsity Choir
Orchestra Chamber 1,2,3&4
Orchestra Concert 1,2,3&4
Orchestra Symphony 1,2,3&4
PAL 1 & 2
PE—Weight Training
PE—Foundations of Pers Fitness
PE—Individual & Lifetime Sports
PE—Team Sports & Rec Games
Princ & Elements of Floral Design
Princ of Agric., Food & Nat. Res.
Princ of Bus, Fin. & Mktg
Princ of Health Science
Psychology (0.5)
Reading Improvement 1 & 2
Red Rubies Dance Team 1, 2, 3
Path College Career III:College Transition
Path College Career I: High School Transition
School Store
Screenwriting
Show Choir
Sociology (0.5)
Spanish 1, 2 & 3
Spanish for Sp. Speakers 1 & 2
Spanish for Sp. Speakers 3 & 4
Sports & Entertainment Marketing
Sports Medicine
Technical Theatre 1,2,3&4
Teen Impact 1 & 2
Theatre 1,2,3&4
Theatre Production 1,2,3&4
Varsity Choir
Varsity Mixed Choir
Veterinary Medical Applications
Web Technologies
Welding 2 & 3
Wildlife, Fisheries & Ecology
Women's Basketball 1,2,3&4
Women's Cross Country 1,2,3&4
Women's Golf 1,2,3&4
Women's Soccer 1,2,3&4
Women's Softball 1,2,3&4
Women's Swimming 1,2,3&4
Women's Tennis 1,2,3&4
Women's Track 1,2,3&4
Women's Volleyball 1,2,3&4
Women's Wrestling 1,2,3&4
World Dance
Yearbook 1, 2

Local Credits
(other courses as determined by administration)
Competition Cheerleading
Independent Study
Office Aide
Structured Learning

No Credits
Audit
Off-Campus
18+

ENGLISH LANGUAGE ARTS

COURSE OPTIONS FOR ENGLISH 1

ENGLISH 1
Credit: 1
English 1 reflects the use of the writing process to produce compositions reflecting various purposes, modes, and audiences as well as appropriate vocabulary, syntax, and usage. Reading and writing skills are developed through the study of various genres including: short story, novel, drama, and poetry. SAT vocabulary is incorporated, as are the reading and writing skills required for success on the state-mandated STAAR test. ***STAAR End of Course Exam required for Graduation.***

ENGLISH 1 PRE-AP
Credit: 1
This challenging course includes an intensive study of the core language arts components. Literary study includes close reading and analysis of texts for literary devices and meaning, leading to a greater understanding of why and how an author impacts his or her audience. In writing, students learn to apply what they have unearthed through their literary study; therefore, writing is mostly analytical in nature with an emphasis on structure, especially of the paragraph. Grammar receives much focus, and it is taught through sentence diagramming, writing and the study of literature. Vocabulary study is cumulative and SAT-based. ***STAAR End of Course Exam required for Graduation.***

ENGLISH 1 for SPEAKERS OF OTHER LANGUAGES (ESOL 1 with Research/Technical Writing)
Credit: 2
Prerequisite: LPAC Placement
ESOL 1 is the first part of an intensive English program designed to provide beginning vocabulary and communication skills to non-English speaking or limited English speaking students. Students learn basic English grammar and structures and utilize this new knowledge when they practice reading, writing, listening, and speaking. ESOL 1 students are introduced to adapted forms of English literature that meet their level(s) of language acquisition. ***STAAR End of Course Exam required for Graduation.***
NOTE: This course is double blocked and meets every day.

ENGLISH 1 SHELTERED
Credit: 1
Prerequisite: LPAC Placement
Sheltered instruction is a pedagogical approach with the goals of providing English language learners (ELLs) with meaningful and comprehensible input while developing their academic language. It allows ELLs to transition towards higher academic achievement and English fluency by learning the same content as their English speaking peers through materials and instruction that are adapted to accommodate their language levels. Students will work on critical reading and thinking skills by reading and analyzing a range of texts and genres to include both fiction and nonfiction. Using second language learning instructional techniques, students will develop strategies to tackle the different stages of the writing process. This course will also help prepare ELLs for the state STAAR End of Course exam. ***STAAR End of Course Exam required for Graduation.***

ENGLISH I BASIC & READING IMPROVEMENT
Credit: 2
Prerequisite: ARD placement
This course is designed to enhance students' understanding of language and literature through the development of study skills, spelling and vocabulary, reading and listening comprehension skills, grammar and usage, and skills required for success on the state-mandated assessment. Students will be exposed to various genres of literary and expository texts.This course provides instruction that is sequential, phonics-based, and multisensory. Students will practice skills and learn strategies which will help them compensate for deficits, allowing for better comprehension and academic progress. ***STAAR End of Course Exam required for Graduation.*** **Note: This course is double blocked and meets every day.**

COURSE OPTIONS FOR ENGLISH 2

ENGLISH 2
Credit: 1
Prerequisite: English 1
English 2 focuses on continued development of critical reading, thinking and writing skills through a variety of texts. Writing emphasizes incorporating grammatical structures to strengthen writing in the areas of persuasion and literary analysis. Students also learn research skills, SAT vocabulary, persuasive techniques, and skills related to the state-mandated STAAR test. ***STAAR End of Course Exam required for Graduation.***

ENGLISH 2 PRE-AP
Credit: 1
Prerequisite: English 1
English 2 Pre-AP consists of an advanced study of literature and writing including the essentials of grammar, usage, and mechanics and is designed to prepare the student for English 3 AP. The literature study will include a sampling of world literature and incorporate works suggested by the College Board in preparation for the AP English exams. Emphasis will be placed upon literary analysis through the development of reading and thinking skills. Students will write process, as well as timed essays, including analytical, persuasive, expository, and literary response modes. The vocabulary program is SAT intensive. ***STAAR End of Course Exam required for Graduation.***

ENGLISH 2 for SPEAKERS OF OTHER LANGUAGES (ESOL 2 with Practical Writing Skills)
Credit: 2
Prerequisite: LPAC Placement
ESOL 2 is the second part of an intensive English program designed to further develop students' competence in English. Students will gain a deeper understanding of English grammar while they continue to refine and increase their receptive and expressive skills. Emphasis is placed on developing fluency and accuracy in reading and writing. Students read a variety of texts from multiple genres, as well as learn literary forms and terms. In addition, students are expected to plan, draft, and complete written compositions on a regular basis. ***STAAR End of Course Exam required for Graduation.***
NOTE: This course is double blocked and meets every day.

ENGLISH 2 SHELTERED
Credit: 1
Prerequisite: LPAC Placement
Sheltered instruction is a pedagogical approach with the goals of providing English language learners (ELLs) with meaningful and comprehensible input while developing their academic language. It allows ELLs to transition towards higher academic achievement and English fluency by learning the same content as their English speaking peers through materials and instruction that are adapted to accommodate their language levels. Sheltered English II covers a wide variety of texts and genres, to include short stories, novels, nonfiction articles, and poetry, with an emphasis on multicultural literature. Students will gain a better understanding of English grammar and build upon their existing vocabulary. They will continue to develop their critical reading and writing skills through the study of short answer questions and the essay. This course will also continue to prepare ELLs for the state STAAR End of Course exam. ***STAAR End of Course Exam required for Graduation.***

ENGLISH 2 BASIC
Credit: 1
Prerequisite: ARD placement
This course focuses on the continued development of reading, listening, and thinking skills related to language and literature. Students will learn and practice skills related to punctuation, capitalization, spelling, vocabulary, prefixes, suffixes, roots, using parts of speech, and common English idioms. The class will learn about the structure and content of a variety of texts and practice writing skills. ***STAAR End of Course Exam required for Graduation.***

COURSE OPTIONS FOR ENGLISH 3

ENGLISH 3
Credit: 1
Prerequisite: English 2
English 3 is a survey of American literature, covering several philosophical time periods from Puritanism to contemporary literature. Process writing with an emphasis on literature-based analytical writing will be emphasized, as will critical reading and thinking skills. A research paper will be required. The vocabulary program is SAT intensive. Students will earn their speech requirement in this course by demonstrating proficiency in the skills required for graduation.

ENGLISH 3 AP (English Language and Composition)
Credit: 1
Prerequisite: English 2
This course is, primarily, a study in rhetoric—how a writer or speaker uses a variety of elements of language to advance his or her purpose; create intended tones; and appeal logically, emotionally, and personally to his or her audience. For this reason, we will mostly be concerned with the study of non-fiction texts. We will, however, also study a handful of fictional works, but they will be considered in light of the author's' rhetorical purposes. As part of becoming skilled readers of literary works written in a variety of periods, genres, and rhetorical contexts, students will become acquainted with the historical, moral, social, and philosophical forces that have impacted selected works of fiction and nonfiction, while they analyze the interactions among a writer's purpose, subject, and audience expectation. This course will aid students in becoming skilled writers who compose for a variety of purposes and who develop a personal style as they write in a variety of modes for various audiences through both process (requiring multiple drafts) and timed writing assignments. Analysis of visual media such as paintings, photographs, films, advertisements, and cartoons will accompany the students' study of rhetoric. In addition, students will synthesize materials from primary and secondary sources and write documented argument essays, citing sources using Modern Language Association (MLA) format. **The students in this course will be expected to take the AP exam in the spring.**

ENGLISH 3 ONRAMPS (UNIVERSITY OF TEXAS DUAL-ENROLLMENT)
Credit: 1
Prerequisite: English 2
RHETORIC AND WRITING This two-semester, six-credit writing intensive sequence features a fall RHE 306 “Research & Writing” course in argumentation that situates rhetoric as an art of civic discourse, followed by the spring semester RHE 309K “Rhetoric of American Identity” featuring an exciting series of case studies in race, gender, and ethnicity. Over the two courses, students analyze the various positions held in any public debate and learn to advocate their own positions effectively. In the fall, students explore the ethics of argumentation and what it means to “fairly” represent someone with whom they disagree. By the spring, students are ready to analyze and compose arguments about American identity and identity formation, both personal and cultural. The goal is to foster students’ abilities to analyze arguments presented by others and to write sound and effective arguments of their own — abilities that contribute meaningfully to their academic, professional, personal, and civic lives. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn six hours of UT credit with feedback and assessment provided by UT course staff. **There is a fee associated with this course.**

SHELTERED ENGLISH 3
Credit: 1
Prerequisite: LPAC Placement
Sheltered instruction is a pedagogical approach with the goals of providing English language learners (ELLs) with meaningful and comprehensible input while developing their academic language. It allows ELLs to transition towards higher academic achievement and English fluency by learning the same content as their English speaking peers through materials and instruction that are adapted to accommodate their language levels. Sheltered English III covers the major periods of American literature from the Puritan era to contemporary times. Instructional techniques and language learning strategies based on second language acquisition theories and models are utilized to acquaint students with the historical, moral, social, and philosophical forces that have impacted significant literary works. Students will improve critical reading and thinking skills through literary analysis. They will also further develop their ability to tackle every stage of the writing process through assigned sentence, paragraph, short answer, and formal essay projects.

BASIC ENGLISH III
Credit: 1
Prerequisite: ARD placement
This course is designed to help students further develop critical reading and writing skills.It will also enhance students’ understanding of language and literature through the study of poetry and nonfiction. Writing skills and concepts covered will include idea development and elaboration , sentence and paragraph structure, grammar skills, and journal writing. Students will continue to practice spelling and punctuation skills and build vocabulary, including understanding and using analogies.

COURSE OPTIONS FOR ENGLISH 4

ENGLISH 4
Credit: 1
Prerequisite: English 3
English 4 cultivates the critical thinking, reading, writing, and oral skills required for students’ post-graduation endeavors. The course encourages students to become more reflective and to further develop their collaborative and independent study skills, their written and oral discourse, and their exploration and understanding of philosophical ideas. Students should also gain a familiarity with British Literature as a body of work by examining how cultural influences have influenced the work of British authors.

ENGLISH 4 AP (English Literature and Composition)
Credit: 1
Prerequisite: English 3
English Literature and Composition engages students in the close reading and critical analysis of literature. Students examine author’s purpose in addition to a work’s elements and figurative language. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to affect readers. Literary selections are largely pulled from British canon and are selected to enhance understanding of the progression of ideology and cultural development through British time periods, broadening the students understanding of their own culture and the world as a whole. Reading material may be of a mature and/or sophisticated nature. Students will write and revise extensively about the literature they read. Workload ebbs and flows depending on the natural demands of the work under current study. All students are required to complete a senior research process and essay writing assignment which will be counted as mid-term and final exam grades (no exemptions apply). Course syllabus is College Board audited and approved. **The students in this course will be expected to take the AP exam in the spring.**

ENGLISH 4: SHAKESPEARE SELECTED PLAYS HONORS
Credit: 1
Prerequisite: English 3 or concurrently enrolled in AP English III

In this course, students will focus on further developing their reading, writing, research, and thinking skills through studying the works of William Shakespeare. Students will read and watch various interpretations of a selection of the Bard’s comedic and tragic plays and perform scenes with fellow students, including transposing Shakespeare’s words into modern-day genres. Student writing will

include literary and rhetorical analysis, reviews and comparisons of actor and director choices in professional theatrical productions and film adaptations of the plays, as well as creative crafting and revamping of sonnets and scenes. Additionally, students will practice synthesizing research from credible sources as they explore Shakespeare's thematic ideas within the context of the British Renaissance, contemporary American society, and their own lives

ENGLISH 4: LITERARY CRITICISM 19TH CENTURY BRITISH LITERATURE HONORS
Credit: .5
Taught Fall Semester
Students will read and analyze several major literary works including plays, novels, short stories and poetry. Students will explore the importance of the time period, the culture and the biographical information of the authors studied.

ENGLISH 4: LITERARY CRITICISM 20TH CENTURY BRITISH LITERATURE HONORS
Credit: .5
Taught Spring Semester
Students will read and analyze several major literary works including plays, novels, short stories and poetry. Students will explore the importance of the time period, the culture and the biographical information of the authors studied.

BASIC ENGLISH 4
Credit: 1
Prerequisite: ARD placement
English 4 is designed to further develop the thinking, reading, writing, and oral skills required for students' post-graduation ambitions. English 4 encourages students to become more reflective through the study and practice of personal narrative, autobiography, and the study of drama. Students continue to develop expertise in both collaborative and independent study while practicing skills related to vocabulary, grammar, spelling, and punctuation. Students have opportunities to work on projects related to their specific post-graduation plans.

HUMANITIES AND CREATIVE WRITING BASIC
Credit: 1
Prerequisite: English 2 and ARD placement
This course will provide a survey of selected historical and cultural movements and their relationship to literature and fine arts. Students will participate in discussions and assignments to show an understanding, appreciation, and enjoyment of critical and creative achievements throughout history. A variety of media will be used for the course. Student will set and meet goals according to individual objectives. Students will practice the recursive nature of the writing process, as well as apply conventions of usage and mechanics. Students will evaluate their writing and the writing of others through published and unpublished pieces of writing and set their own goals as writers.

ENGLISH ALTERNATE (APPLIED) COURSES

Students enrolled in English Alternate courses will continue to increase and refine their communication skills, addressing reading, writing, and comprehension activities which focus on prerequisite skills needed to access enrolled grade-level TEKS.

APPLIED READING SKILLS
Credit: 1
Prerequisite: ARD placement This course covers development of sight vocabulary, communication skills, functional reading comprehension, and daily application of reading skills at each student's instructional level.

APPLIED ENGLISH I
Credit: 1
Prerequisite: ARD placement With an emphasis on community based instruction, this course emphasizes sight word vocabulary development through word strategies, writing in a variety of forms, and comprehension of basic information at each student's instructional level.

APPLIED ENGLISH II
Credit: 1
Prerequisite: ARD placement With an emphasis on functional academic skills, this course emphasizes application of vocabulary and written composition to increase student's ability to follow directions and gain independence at each student's instructional level.

APPLIED ENGLISH III
Credit: 1
Prerequisite: ARD placement With an emphasis on functional academic skills, this course emphasizes generalizations skills related to spoken and written representations of functionally based curriculum at each student's instructional level.

APPLIED ENGLISH IV
Credit: 1
Prerequisite: ARD placement With an emphasis on functional academic skills, this course emphasizes problem-solving and ability to draw conclusions through the extension of vocabulary and comprehension skills at each student's instructional level.

MATHEMATICS

ALGEBRA 1
Credit: 1
The focus of Algebra 1 is on problem-solving and practical applications of algebraic principles in a variety of real-world situations. This course will include the study of the real number system, algebraic representation, solutions and evaluation of problem situations, graphing to interpret linear relations, functions and inequalities, quadratic equations, systems of equations, polynomials, sequences, and exponential functions. ***STAAR End of Course Exam required for Graduation.***

ALGEBRA 1 Pre-AP
Credit: 1
The focus of Algebra 1 is on problem-solving and practical application algebraic principles in a variety of real- world situations. This course will include the study of the real number system, algebraic representation, solutions and evaluation of problem situations, graphing to interpret linear relations, functions and inequalities, quadratic equations, systems of equations, polynomials, sequences, and exponential functions. It is differentiated from the core curriculum in algebra 1 through pacing, project-based learning experiences, and a greater emphasis on foundations for future Pre-AP and AP mathematics classes. Algebra 1 Pre-AP is more rigorous and covers topics with more depth than regular Algebra 1 and it is recommended for a student to have earned an 85+ average in 8th grade math to take this course. ***STAAR End of Course Exam required for Graduation.***

PRE-ALGEBRA 1 BASIC
Credit: 1
Prerequisite: ARD placement
This course is an introduction to basic algebraic concepts including problem-solving using integers, order of operations, exponential notation, properties and equations.

ALGEBRA 1 BASIC
Credit: 1
Prerequisite: Basic Pre-Algebra and ARD placement
This course is a continuation of the basic algebraic concepts of problem-solving using integers, order of operations, exponential notation, properties and equations. Students will be administered the STAAR EOC for Algebra 1 at the conclusion of this course.

GEOMETRY
Credit: 1
Prerequisite: Algebra 1
This course emphasizes the connection between Geometry and Algebra, strengthens the student's ability to formulate and analyze problems, and stresses connections among the various approaches within geometry: synthetic, coordinate, and transformational. Topics include axiomatic systems, lines, angles, triangles, circles, other polygons, solid geometry, measurement, and probability.

GEOMETRY PRE-AP
Credit: 1
Prerequisite: Algebra 1
This course emphasizes the connection between Geometry and Algebra, strengthens the student's ability to formulate and analyze problems, and stresses connections among the various approaches within geometry: synthetic, coordinate, and transformational. Topics include axiomatic systems, lines, angles, triangles, circles, other polygons, solid geometry, measurement and probability. It is differentiated from the core curriculum in geometry through pacing, a greater emphasis on formal proof, and enrichment activities. It is recommended that a student had an 85+ average in Algebra 1 to take this course.

GEOMETRY BASIC
Credit: 1
Prerequisite: ARD placement
The focus of this course is on the fundamentals of geometry with emphasis on problem-solving and real-life application of geometric concepts. Topics include angle measurement and relationships, triangles and congruence, parallel lines, quadrilaterals, similarity and scale, polygons and area, circles, space figures, and surface area/volume.

ALGEBRA 2
Credit: 1
Prerequisite: Algebra 1
This course focuses on the concepts of functions and relations, with emphasis on linear, quadratic, cubic, exponential, logarithmic, radical, and rational functions. The student will apply algebraic concepts to a variety of real-world situations that can be modeled mathematically.

ALGEBRA 2 PRE-AP
Credit: 1
Prerequisite: Algebra 1
The honors course of second year algebra will cover the topics of Algebra 2 in greater depth and detail with supplemental material in appropriate areas. This course is recommended for those students who had an 85+ average in Pre-AP Geometry and are planning to take Pre-Calculus (Pre-AP or Onramps) and Calculus AP.

ALGEBRA 2 ONRAMPS (UT CO-ENROLLMENT)
Credit: 1
Prerequisite: Algebra 1 and Geometry
COLLEGE ALGEBRA Course description coming from UT. This course is recommended for those students who had an 85+ average in Algebra 1 and/or Geometry and are planning to take Pre-Calculus and Calculus AP. **There is a fee associated with this course.**

BASIC FINANCIAL MATH
Credit: 1
Prerequisite: ARD placement
This multi-year course will provide students with math skills needed in everyday living. Topics will include earnings (wages, commissions, fringe benefits), taxes (income, Social Security, sales), budgeting (checking accounts, housing, transportation), personal investments, and consumer credit (loans, credit cards).

ADVANCED OPTIONS IN MATHEMATICS

ALGEBRA 3 (Independent Study in Math)
Credit: 1
Prerequisite: Geometry and Algebra 2 (grade 75 or below) or failure to meet satisfactory performance on the Algebra 1 STAAR EOC Exam
Algebra 3 develops a student's capabilities to use Algebraic concepts to solve real-world problems. Students compare and analyze function behaviors and parameter changes using graphing technology. This class is an extension of previously acquired Algebraic skills integrated with advanced Algebraic skills and graphing technology. It also includes many challenging aspects of algebraic problem-solving that will serve as a solid foundation for Precalculus or college algebra. **Algebra 3 is intended to serve students that made a grade 75 or below in Algebra 2. Students may not take Algebra 3 concurrently with Pre-Calculus or if they have already completed Pre-Calculus. This course is designed to prepare students for successful completion of the TSI exam.**

ADVANCED QUANTITATIVE REASONING (AQR)
Credit: 1
Prerequisite: Geometry and Algebra 2
Advanced Quantitative Reasoning is a good fit for students pursuing a non-mathematics-intensive major in business, social sciences, or the arts at the postsecondary level. Topics include statistics, financial applications, and the use of models from discrete mathematics, algebra, geometry, and trigonometry to solve complex problems in a range of engaging contexts. Course activities and instruction will focus on exploration-based student learning in cooperative groups and project presentation skills.

PRECALCULUS Pre-AP
Credit: 1
Prerequisite: Geometry, Algebra 2
This course extends the analysis and understanding of functions studied in Algebra 2 and also expands the student's repertoire of functions to include polynomial, rational, periodic, piecewise defined functions, conic and trigonometric functions. Students will also study trigonometric functions and inverses, identities and equations, as well as solve triangles and examine applications of trigonometric functions. Additional topics studied include sequences and series, vectors, parametric equation, polar coordinates and limits. NOTE: This course is recommended for those students planning to take AP Calculus.

PRECALCULUS ONRAMPS (UNIVERSITY OF TEXAS DUAL-ENROLLMENT)
Credit: 1
Prerequisite: Geometry, Algebra 2
DISCOVERY PRE-CALCULUS Students will deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous university-level calculus course. This course is designed to push students well beyond "drill and kill" type exercises, with an emphasis on unpacking mathematical definitions and making logical arguments to their peers. The course is divided into seven units. Each unit consists of a series of explorations designed to engage students and empower them to develop their problem-solving skills. In each exploration, students will create connections with prior concepts in developing the current topic. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. **There is a fee associated with this course.**

DATA, MODELING, AND INFERENCE STATISTICS ONRAMPS (UNIVERSITY OF TEXAS DUAL-ENROLLMENT)
Credit: 1
Grade Placement: 11–12

OnRamps Statistics is a dual-enrollment data analysis course to develop the quantitative reasoning skills and habits of mind necessary to succeed in the higher education environment. This course will target conceptual understanding and hone highly relevant mathematical skills through scaffolded introduction to statistical methodologies, informal game play, and strategic lab exercises that engage students in hands-on analysis of real data. Valuable programming and coding skills are acquired a s a means to conducting these analyses, giving students a solid foundation in data science. Team-based problem solving is highly valued, and assessments will guide students through self-reflective analyses of their own preparedness and depth of understanding. **There is a fee associated with this course.**

STATISTICS AP
Credit: 1
Prerequisite: Algebra 2
This college level course prepares students for the Statistics AP Advanced Placement exam given in May each year. The course is equivalent to a one semester introductory, non-calculus based college course in statistics. This course will introduce students to four broad conceptual themes: Exploring Data, Planning a Study, Anticipating Patterns, and Statistical Inference. This course is writing intensive, requiring students to write in a variety of modes and styles.

COLLEGE ALGEBRA (Independent Study in Mathematics)
Credit: 1
Prerequisite: Geometry and Algebra 2
This course is an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. This course should prepare students for math placement exams.

CALCULUS AB AP
Credit: 1
Prerequisite: Pre-Calculus
This college-level course prepares students for the Calculus AB Advanced Placement Exam given in May each year. This course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed geometrically, numerically, analytically and verbally. Topics covered include functions and limits, derivatives and their applications, integration methods and applications.

CALCULUS BC AP (Includes Calculus AB AP)
Credit: 2
Prerequisite: Pre-Calculus
Single-blocked Calculus BC AP is for the most advanced students who wish to take BC Calculus but cannot fit the double-block into their schedule. This class will cover all topics in the Calculus BC class but at an extremely advanced speed where there will be little to no review days before tests and there will be more independent work required outside the school day to complete all needed topics. This college-level course prepares students for the Calculus BC Advanced Placement Exam given in May each year. This course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. Topics to be covered include: functions and limits, derivatives and their applications, integration methods and applications, parametric, polar and vector functions, polynomial approximations and series.

LINEAR ALGEBRA (Advanced Honors)
Credit 0.5
Prerequisite: Calculus AB
This course will introduce students to selected topics from a typical college Linear Algebra course, and prepare students for college-level mathematics. Students begin with vectors and matrices and progress to systems of linear equations before gradually becoming acquainted with vector spaces and linear transformations. They learn to use the fundamental process of Gauss-Jordan elimination to solve systems, find the inverse of a matrix, find determinants, and find basis vectors. They will shrink a finite spanning set to a basis, enlarge a linearly independent set to a basis, perform the Gram-Schmidt Algorithm, diagonalize a linear operator, orthogonally diagonalize a symmetric operator, and find the dominant eigenvalue using the power method.

MULTIVARIABLE CALCULUS (Advanced Honors)
Credit: 0.5
Prerequisite: Calculus BC AP
Multivariable or vector calculus studies how to take limits, derivatives, and integrals of multivariable functions. The following topics will be included in the course: Vector?Valued Functions, Functions of Several Variables, Multiple integrations, Vector Analysis and Differential Equations.

FINANCIAL MATHEMATICS see page 43
DIGITAL ELECTRONICS see page 46
COMPUTER SCIENCE AP see page 47

MATH ALTERNATE (APPLIED) COURSES

Students enrolled in Math Alternate courses will continue to increase and refine basic knowledge and understanding of functional math skills related to number pre-operations, measurement, time and money which focus on prerequisite skills needed to access enrolled grade-level TEKS.

APPLIED PRE-ALGEBRA 1
Credit: 1
Prerequisite: ARD placement This course covers the functional academic math skills of money, time, consumer skills, money management, and practical application of basic operations.

APPLIED ALGEBRA 1
Credit: 1
Prerequisite: ARD placement This course covers the functional academic math skills with emphasize on the application of mathematical operations, symbols, problem-solving, and estimation skills.

APPLIED GEOMETRY
Credit: 1
Prerequisite: ARD placement This course covers the functional academic math skills with emphasize on the generalization skills of mathematical operations, symbols, problem-solving, and estimation skills.

APPLIED MATH MODELS W/APPLICATIONS
Credit: 1
Prerequisite: ARD placement This course covers the functional academic math skills with emphasize on the generalization skills of mathematical operations, symbols, problem-solving, and estimation skills. Topics may include personal finance (e.g., shopping, budgets, and banking), as well as the connections among these topics to solve real-life scenarios.

SCIENCE

BIOLOGY
Credit: 1
This course describes the fascinating diversity of all living things and the identifying themes that bring order to this diversity. The Biology course includes the scientific processes of observation and analysis. Critical-thinking strategies are emphasized while exploring concepts related to cells and viruses, metabolism, genetics, living systems, taxonomy, and ecosystems. The student will conduct an individual research project as a requirement of the course. ***STAAR End of Course Exam required for Graduation.***

BIOLOGY Pre-AP
Credit: 1
Biology is the study of living organisms, their origins, how they survive, reproduce, change over time, and interact with each other and their environment. It is designed to guide students in the investigation of all aspects of living organisms and prepare students for the Advanced Placement Biology course. The Pre-AP course places a higher priority on developing critical thinking skills by examining real-world problems. Topics are examined in greater depth and include more advanced resource material in addition to the adopted text. Laboratory investigations are more sophisticated and play a more prominent role in the Pre-AP course. Students will also be expected to write formal lab reports over major labs. The student will conduct multiple individual research projects as a requirement of the course. ***STAAR End of Course Exam required for Graduation.***

BIOLOGY BASIC
Credit: 1
Prerequisite: ARD placement This course primarily covers the study of life. It is designed to expand a student's knowledge of cells, genetics, and taxonomy of living organisms, ecology, evolution, and health. ***STAAR End of Course Exam required for Graduation.***

INTEGRATED PHYSICS AND CHEMISTRY (IPC)
Credit: 1
This course is an exploration of natural phenomena related to physics and chemistry. Critical-thinking and scientific problem-solving skills are emphasized while exploring concepts related to the properties of matter, chemical reactions, forces, motion, simple machines, heat, electricity, waves, sound, and light.

INTEGRATED PHYSICS AND CHEMISTRY (IPC) BASIC
Credit: 1
Prerequisite: ARD placement This course provides the student with an operational understanding of basic physical science concepts. It includes a general introduction to chemistry and physics.

CHEMISTRY
Credit: 1
Prerequisites: One Unit of HS Science and Algebra 1. Suggested: completion or concurrent enrollment of 2nd yr of Math
Chemistry is an exploration of matter and the changes that it undergoes. Critical-thinking and scientific problem-solving skills are developed in the study of the characteristics of matter, chemical reactions, energy transformations, atomic structure, periodicity, gas behavior, bonding, nuclear chemistry, properties of solutions, and acid-base chemistry. An emphasis is placed upon chemical calculations and the mathematical formulation of principles.

CHEMISTRY PRE-AP
Credit: 1
Prerequisites: One Unit of HS Science and Algebra 2.
Chemistry Pre-AP is an exploration of matter and the changes that it undergoes. Students will be expected to build their understanding upon earlier topics in a cumulative way and apply their understanding in challenging new situations. Critical thinking and scientific problem-solving skills form the basis for the class. Topics include the characteristics of matter, reactions, energy transformations, atomic theory, periodicity, chemical bonding, gas behavior, solution chemistry, acid-base chemistry, and nuclear chemistry. Appropriate math skills are required for the formulation of chemical principles. The student will conduct an individual week-long laboratory experiment as a requirement of the course.

PHYSICS
Credit: 1
Prerequisites: Biology and Chemistry; Algebra 2 or concurrent enrollment
Physics is an exploration of the laws of motion; changes within physical systems; conservation of energy and momentum; force; characteristics and behavior of sound and light waves; electricity and magnetism. Throughout the course there will be various hands-on projects showing practical use of the theoretical topics covered in class.

PHYSICS ONRAMPS (UNIVERSITY OF TEXAS DUAL-ENROLLMENT)
Credit: 1
Prerequisite: Biology and Chemistry; Algebra 2 or concurrent enrollment (Precalculus recommended)
MECHANICS, HEAT, AND SOUNDS introduces big ideas in physics, such as Newtonian mechanics, which describes objects changing their state of motion because of forces causing them to accelerate. Taken together, the topics reinforce the general idea that the behavior of many objects in the world can be described precisely with simple mathematics. This is an algebra-based (non-calculus) course in mechanics that fulfills a general physics requirement. Proficiency in algebra and geometry is assumed. Students will practice problem-solving and analyzing physical situations involving motion, force, energy, rotations, heat, oscillations, waves, and sound. They will explore concepts in small groups, develop ideas, and explain them. The course lays the groundwork for college majors including engineering, physics, chemistry, or mathematics. Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn three hours of UT credit with feedback and assessment provided by UT course staff. **There is a fee associated with this course.**

PHYSICS 1 & 2 AP
Credit: 1
Prerequisite: Biology and Chemistry; Algebra 2 or concurrent enrollment (Precalculus recommended)
This course is designed to be the equivalent of a first year physics course at the college level. The course develops the principles of physics emphasizing problem-solving using algebra and trigonometry. Content includes kinematics, Newton's Laws, momentum, energy, forces, light, electricity, magnetism, and modern physics. This course serves as preparation for the Physics 1 and 2 AP Exams given in May.

ADVANCED OPTIONS IN SCIENCE

ANATOMY & PHYSIOLOGY (Honors)
Credit: 1
Prerequisite: Completion of Biology and Chemistry
This course is designed to be an advanced study of the human body for students with an interest in pursuing a career in a health-related field. Topics include anatomical structures, physiological systems, and body functions. Students will apply the principles of physiology to human health and evaluate the applications and career implications of physiology and anatomy principles. Several field trips are offered.

AQUATIC SCIENCE
Credit: 1
Prerequisite: Completion of Biology & Chemistry OR completion of Biology, IPC, & concurrent enrollment in Chemistry.
This course is especially well suited for those students interested in pursuing a science related field in college. The course includes an in-depth study of aquatic organisms and their interrelationships, water chemistry, marine biology & physical oceanography, geology & paleontology, coral reef & estuarine environment and marine ecosystems & biodiversity. The course offers lots of hands-on lab activities, dissections, selected readings from college-level textbooks and publications and college preparatory delivery of the curriculum. Several field trips are offered where students will conduct scientific investigation and field work using modern equipment. Prospective students need to be highly motivated and well organized.

AQUATIC SCIENCE (Honors)
Credit: 1
This course is especially well suited for those students interested in pursuing a science related field in college. The course includes in-depth study of aquatic organism and their interrelationships, water chemistry, marine biology and physical oceanography, geology and paleontology, coral reef and estuarine environment and marine ecosystems and biodiversity. The course offers hands-on lab activities, dissections, selected readings from college level textbooks and publications and college preparatory delivery of the curriculum. Several field trips are offered where students will conduct scientific investigation and field work using modern equipment. Prospective students need to be highly motivated and well organized.

BIOLOGY AP
Credit: 1
Prerequisite: Biology and Chemistry
This course is designed to be the equivalent of a college introductory course for biology majors. The course covers three general areas in considerable depth: molecules and cells; genetics and evolution; organisms and populations. Biological chemistry is emphasized in the study of molecules, cells, energy transformations and physiology. This course serves as preparation for the AP Exam given each May.

CHEMISTRY AP
Credit: 1
Prerequisite: Completion of Algebra 2 and Chemistry
This course is designed to be the equivalent of a college introductory course for science majors. Chemistry AP focuses on the theoretical aspects of chemical equilibria, chemical kinetics, and thermodynamics, which will be presented in considerable depth. An emphasis is placed upon calculations and the mathematical formulation of chemical principles. This course serves as preparation for the AP exam given each May.

SCIENCE RESEARCH AND DESIGN FOR CHEMISTRY(S.R.D.C.) Honors
Credit: 1
CoRequisite: Chemistry AP
SRDC is a project-based learning class designed to encourage and develop scientific research and critical thinking skills. This is a non-traditional class that is 100% laboratory based--no traditional "paper and pencil" tests, quizzes, or homework. Instead, the student grades are dependent on a technical writing component (laboratory notebooks and formal laboratory reports) and individual participation in the lab. Experiments which are conducted in this class will be much more in depth than the one-day, "connect-the-dots" type labs usually performed in lower-level science classes. As a result, this is an advanced level course with honors credit. SRDC is intended as the laboratory component for AP Chemistry. All students enrolling in this course must also be concurrently enrolled in AP Chemistry, or have successfully completed AP Chemistry.

ENVIRONMENTAL SYSTEMS
Credit: 1
Prerequisite: Completion of Biology and Chemistry OR completion of Biology, IPC, and concurrent enrollment in Chemistry.
In this course, students will conduct field and laboratory investigations and use scientific problem-solving as they study a variety of topics, including biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and environmental systems; sources and flow of energy through an environmental system; the relationship between carrying capacity and changes in populations and ecosystems; and changes in environments. The course includes a field-based component. **This course leans heavily towards PBI (Project Based Instruction) and includes a field-based component.**

ENVIRONMENTAL SCIENCE AP
Credit: 1
Prerequisite: Completion of Biology and Chemistry; and Algebra I
The course is the equivalent of an introductory course at the college level. It is a rigorous science class stressing scientific principles and analysis with a substantial writing component. The course covers a broad range of topics including: the interdependence of Earth's systems, human population dynamics, renewable and nonrenewable resources, global changes, the environment and society. The interdisciplinary nature of Environmental Science AP draws on material from the areas of biology, chemistry, earth science, and physics. To meet the challenges of the course, students should have a solid academic record, good critical-thinking ability, and excellent reading skills. Having the capability to articulate their thoughts well in writing is also of prime importance. This course serves as preparation for the AP Exam given in May.

BASIC ENVIRONMENTAL SYSTEMS
Credit: 1
Prerequisite: ARD placement
This course provides the student with an operational understanding of basic environmental systems topics. In this course, students will conduct field and laboratory investigations and use scientific problem-solving as they study a variety of topics.

FORENSIC SCIENCE
Credit: 1
Prerequisite: Completion of Biology and Chemistry OR completion of Biology, IPC, and concurrent enrollment in Chemistry.
Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science. The class will rely heavily on labs, text readings, and video. The class is designed around authentic performance assessments with students working in teams to solve crimes using

scientific knowledge and reasoning. It involves all areas of science including biology, anatomy, chemistry, physics, earth science and the use of technology with an emphasis in complex reasoning and critical thinking.

MEDICAL MICROBIOLOGY & IMMUNOLOGY (Honors)
Credit: 1
Prerequisite: Completion of Biology and Chemistry. Recommended concurrent enrollment in Anatomy and Physiology.
Microbiology is the study of microscopic organisms, such as bacteria, viruses, archaea, fungi and protozoa. Immunology is a branch of biomedical science that covers the study of all aspects of the immune system in all organisms. Immunology is a course that would allow students to delve into the processes of the immune system and acquire an understanding of how diseases interact with the immune system. Current treatments from new pathogens will require a greater in depth understanding of these processes.

PATHOPHYSIOLOGY (Honors)
Credit: 1
Prerequisite: Completion of Biology and Chemistry. Recommended concurrent enrollment in Anatomy and Physiology.
The Pathophysiology course provides an in-depth study of human pathological processes, with an emphasis on interrelationships among organ systems during disease. Topics include the causes and origins of disease, physical signs and symptoms, prognosis, and complications of common diseases and their management.

PHYSICS C AP (Mechanics, Electricity and Magnetism)
Credit: 1
Prerequisite: Completion of Physics 1 AP and Calculus or concurrent enrollment
This course is the equivalent of a calculus-based first year physics course at the college level, designed for students planning to major in the physical sciences, math, or engineering. The first term corresponds to a semester college class on classical mechanics. The second term corresponds to a semester college class on electricity and magnetism. The students will use calculus to tackle advanced physics problems. The course serves as preparation for the AP Exam given in May.

SCIENCE RESEARCH AND DESIGN (S.T.E.M.) Honors
Credit: 1
Prerequisite: Pre-AP Biology and Chemistry
Grades: 11 - 12
This course combines open inquiry research, whether you are interested in Biology, coding, or psychology, etc. In this unique course you will learn how to research and design investigations while participating in district science fair with the ability to move on to the Austin Energy Science Festival and the Texas Science and engineering Fair. **Some upper-level math involved.*

PRINCIPLES OF ENGINEERING (HONORS) see page 45 ***ENGINEERING DESIGN & DEVELOPMENT see page 46***
ADVANCED ANIMAL SCIENCE see page 49

SCIENCE ALTERNATE (APPLIED) COURSES

Students enrolled in Science Alternate courses will continue to increase and refine their basic knowledge and understanding of scientific concepts related to plants, classification, body systems, health, cause and effect, and environmental study, focusing on prerequisite skills needed to access enrolled grade-level TEKS.

APPLIED BIOLOGY
Credit: 1
Prerequisite: ARD Placement This course primarily covers the study of life. This course emphasizes the application of scientific concepts related to plants, classification, body systems, health, cause and effect, and environmental study.

APPLIED INTEGRATED PHYSICS & CHEMISTRY
Credit: 1
Prerequisite: ARD Placement This course is intended to provide the student with an operational understanding of basic physical science concepts. This course emphasizes the generalization of scientific concepts related to scientific thinking, motion, and cause and effect in relation to plants, classification, body systems, health, and environmental study.

APPLIED ENVIRONMENTAL SYSTEMS
Credit: 1
Prerequisite: ARD placement This course provides the student with an operational understanding of basic environmental systems topics. In this course, students will conduct field and laboratory investigations and use scientific problem-solving as they study a variety of topics.

WORLD GEOGRAPHY
Credit: 1
This course deals with the earth as the world of living things. The course offers an understanding of the way people live in particular places and why they live as they do. World Geography will explore the physical and cultural features of the earth, changing earth resources, people and the land, political boundaries, economic growth and technological change. Current events will be discussed. Geographic concepts will be explored along with a regional study of the United States, Canada, Latin America, Europe, Russia and the Republics, Asia, Africa, Australia and Oceania.

WORLD GEOGRAPHY Pre-AP
Credit: 1
This course deals with the earth as the world of living things. The course offers an understanding of the way people live in particular places and why they live as they do. World Geography will explore the physical and cultural features of the earth, changing earth resources, people and the land, political boundaries, economic growth and technological change. Current events will be discussed. Geographic concepts will be explored along with a regional study of the United States, Canada, Latin America, Europe, Russia and the Republics, Asia, Africa, Australia and Oceania.

BASIC WORLD GEOGRAPHY
Credit: 1
Prerequisite: ARD placement This course is designed to provide a basic understanding of World Geography. It includes the study of and exposure to basic geographical terms, map skills, physical and cultural geography, and the existence of a global society. It also includes the study of human impact on the environment as well as geographic influences on culture and on global economic and political systems. The class is based on each student's individual goals and objectives.

HUMAN GEOGRAPHY AP
Grade Placement: 10-12
Credit: 1
Prerequisite: Pre-AP WORLD GEOGRAPHY
Human Geography AP is an elective course focusing on the human aspects of geography. The course deals with major concerns confronting the world today, such as the study of the migration and diffusion of peoples, population growth, elements of human culture/art, architecture and literature. Additionally it deals with land use, including the growth of cities and mega urban areas of the world, political and economic development and global environmental concerns. It will help students determine possible solutions to some of today's most pressing issues. This course serves as preparation for the AP Exam given in May.

WORLD HISTORY
Credit: 1
Prerequisite: World Geography or Human Geography AP
This course provides students with an overview of the history of mankind. Students will focus on how the following will impact the course of history: patterns of growth and decline in civilizations as well as cultural, technological, economic, religious, and philosophical changes throughout the course of history, and global interdependence.

WORLD HISTORY AP
Credit: 1
Prerequisite: World Geography or Human Geography AP
This course highlights six connected themes including interaction among major societies, change, impact of technology, social structures, cultural and intellectual developments and changes in functions and structures of society. Since this is an AP course it is intended for qualified students and can earn college credit with successful completion of the AP exam in May. The college level textbook suggested by the College Board will be used as well as supplemental readings for the purpose of analysis. Writing will be emphasized in this course.

BASIC WORLD HISTORY
Credit: 1
Prerequisite: ARD placement World History is a study of man's development from prehistory to the current day. Each unit includes general characteristics of a time period, an analysis of one or two sample cultures, and a study of associated people and events.

UNITED STATES HISTORY
Credit: 1
Prerequisite: World Geography or Human Geography AP
United States History is the second part of a two-year study of U.S. history that begins in Grade 8. The content spans from 1870s post-Reconstruction to the present. Historical content focuses on the cultural, political, economic, and social events and issues related to expansion, imperialism, industrialization, urbanization, major wars, domestic and foreign policies, and reform movements. Students examine the impact of geographic factors on major events and analyze American society, evaluate the dynamic relationship of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and the times during which they were created as well as analyzing the impact of technology innovation of the American labor

movement. Critical thinking is used to interpret the past, including points of view and historical context. ***STAAR End of Course Exam required for Graduation.***

UNITED STATES HISTORY AP
Credit: 1
Prerequisite: World Geography or Human Geography AP
The US History AP Program is intended for qualified students who complete studies equivalent to a college introductory course in US History. This course is designed to provide students with the analytic skill and factual knowledge necessary to deal critically with the problems and materials in US History. The course, which spans the time between European contact and the present, is a survey of history utilizing a textbook and supplemental reading in the form of documents, essays and books on special themes, providing substantive and thematic coverage. The balance between learning factorial knowledge and critical analysis makes for a demanding class. This course serves as preparation for the AP Exam given in May. ***STAAR End of Course Exam required for Graduation.***

UNITED STATES HISTORY ONRAMPS (UNIVERSITY OF TEXAS DUAL-ENROLLMENT)
Credit: 1
Prerequisite: World Geography or Human Geography AP
THE UNITED STATES, 1492-1865 & THE UNITED STATES SINCE 1865 In these two sequential first-year college American history courses, students study significant themes in US history to uncover the range and depth of the American story. Using lectures, primary and secondary readings, videos, maps, and other graphics, students work both independently and collaboratively to develop the critical thinking skills to evaluate the historical record. History 315K surveys from the colonial beginnings through the Civil War, and History 315L considers the post Civil War era to the end of the 20th century. Exams include essay questions that require students to craft well-written narratives and arguments that set events in historical context, engage the complexity of cause and consequence, and make connections that reveal the dynamic of change over time Students will experience high-quality curriculum designed by the faculty at The University of Texas at Austin. Students can earn six hours of UT credit with feedback and assessment provided by UT course staff. ***STAAR End of Course Exam required for Graduation.*** **There is a fee associated with this course.**

BASIC U.S. HISTORY
Credit: 1
Prerequisite: ARD placement This course is designed to provide a basic understanding of U.S. history since Reconstruction. It includes the study of industrialization and urbanization, major wars, domestic and foreign policies, the Great Depression, and the Civil Rights Movement. ***STAAR End of Course Exam required for Graduation.***

UNITED STATES GOVERNMENT
Credit: 0.5
Prerequisite: US History
The US Government course is designed to expose students to the foundations, traditions, values, and workings of the American political system. Students will use primary and secondary sources to study the founding ideas of government, federalism, separation of powers within government, political behavior, campaigns and elections, and state government. Current issues are important to connecting to the concepts taught and the development of the course. Students are expected to gain an understanding of how government and politics function, and their roles as citizens and active participants within the system.

BASIC U.S. GOVERNMENT
Credit: 0.5
Prerequisite: ARD placement This course surveys the American political system beginning with the events leading to the adoption of the Constitution. The major units include constitutional principles, political parties, political participation, and the three branches of government.

ECONOMICS
Credit: 0.5
Prerequisite: US History
This course emphasizes the free enterprise system and its benefits. Areas of concentration include the elements of the American free enterprise system, the role of government in the American economic system, the relationship of the American economic system to international economic activity, and consumer economics. The course emphasizes the practical aspects of economic knowledge necessary for a career and an understanding of contemporary economic issues.

BASIC ECONOMICS
Credit: 0.5
Prerequisite: ARD placement This course is designed to provide a basic understanding of America's economic system. It includes the study of the fundamental concepts of free enterprise, profit motive, competition, and the role of government in individuals' lives. Current economic topics, problems, and potential solutions will also be included.

UNITED STATES GOVERNMENT AP
Credit: 0.5
Prerequisite: US History
This course is designed to give students a critical perspective on politics and government in the United States. The content area includes constitutional underpinnings of United States democracy, political behavior, political beliefs, interest groups, the three branches of government, civil liberties, and civil rights. The students read primary documents, prepare written reports, and give oral presentations. This course serves as preparation for the AP Exam given in May.

MACROECONOMICS AP
Credit: 0.5
Prerequisite: US History
Macroeconomics AP is a college-level introduction to the study of national economic systems. It includes classical and Keynesian analysis of aggregate supply and demand and other issues in the US economy such as fiscal and monetary policy, international trade, inflation, unemployment, growth, and productivity in the economy as a whole. Students use methods of economic analysis, college-level readings, data analysis, and formal research and writing projects to prepare for the AP exam in May for possible college credit.

EUROPEAN HISTORY AP
Credit: 1
Prerequisite: World History or concurrent enrollment
The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse/ In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. This course serves as preparation for the AP Exam given in May.

MICROECONOMICS AP
Credit: 0.5
Prerequisite: US History; and Algebra 2 or concurrent enrollment
The purpose of an AP in Microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. This course serves as preparation for the AP Exam given in May.

PSYCHOLOGY AP (Includes Social Studies Advanced Studies)
Credit: 1
The Psychology AP course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their practice. This course serves as preparation for the AP Exam given in May.

PSYCHOLOGY
Credit: 0.5
Psychology is an elective course designed to have students consider the development of the individual and an exploration of personality. The study of psychology is based on a historical framework and relies on effective collection and analysis of data. Students study topics such as theories of human development, personality, motivation, self-esteem and learning theories.

SOCIOLOGY
Credit: 0.5
Sociology is an elective course designed to have students study dynamics and models of individual and group relationships. This will be done with film to demonstrate the topics of study. Students will study topics such as history and systems of sociology, cultural and social norms, social institutions and mass communication. All of this will be seen first-hand in films!

SOCIAL STUDIES ALTERNATE (APPLIED)

Students enrolled in Social Studies Alternate courses will have access to their community physically, culturally, and economically through hands-on activities, as well as exposure to current events and environmental issues which focus prerequisite skills needed to access enrolled grade-level TEKS.

APPLIED WORLD GEOGRAPHY
Credit: 1
Prerequisite: ARD Placement This course covers the functional academic skills with emphasis on the basic knowledge and understanding of functional community activities, current events and environmental issues. This course is designed to provide a basic understanding of World Geography.

APPLIED US HISTORY
Credit: 1
Prerequisite: ARD Placement This course covers the functional academic skills with emphasis on the generalization of skills related to functional community activities, current events and environmental issues. This course is designed to provide a basic understanding of U.S. history since Reconstruction.

APPLIED WORLD HISTORY
Credit: 1
Prerequisite: ARD Placement This course covers the functional academic skills with emphasis on the application of functional community activities, current events and environmental issues.

APPLIED GOVERNMENT
Credit: 0.5
Prerequisite: ARD Placement This course emphasizes problem-solving and ability to draw conclusions through the exploration of rights, privileges, and responsibilities within school, community, and employment settings.

APPLIED ECONOMICS
Credit: 0.5
Prerequisite: ARD Placement This course emphasizes problem-solving and ability to draw conclusions through the application of skills related to general money management, purchasing goods and services, and use of economic resources.

SPANISH

SPANISH 1
Credit: 1
This course is an introductory course to the Spanish language and its cultures. The skills of listening, speaking, reading and writing, as well as the study of culture, history, and the interrelationships of language are the essential elements taught in this first course of foreign language study.

SPANISH 2
Credit: 1
Prerequisite: Spanish 1
This course is a continuation of Spanish 1. The instruction places special emphasis on the understanding of the Spanish language and expansion of the student's working vocabulary as well as continuing the study of grammar and language production.

SPANISH 2 Pre-AP
Credit: 1
This course is a continuation of Spanish 1. The instruction places special emphasis on the understanding of the Spanish language and expansion of the student's working vocabulary as well as continuing the study of grammar and language production.There is an increased emphasis on writing, reading, and speaking Spanish. The goal of the course is to prepare students for pre-AP Spanish 3 and ultimately, AP Spanish 4.

SPANISH 3
Credit: 1
Prerequisite: Spanish 2
This course is a continuation of Spanish 1 and 2, focusing on mastery of the academic components and furthering communication skills. It requires previously learned grammatical structures to enhance oral as well as written skills.

SPANISH 3 Pre-AP
Credit: 1
Prerequisite: Spanish 2
This course offers a complete presentation of Spanish grammar, as well as cultural readings and literary works. Students continue to acquire language proficiency while reviewing and broadening their lexical and grammatical foundation. This course begins preparation for advanced placement test.

SPANISH 4 AP (Spanish Language)
Credit: 1
Prerequisite: Spanish 3 Pre-AP
Students will have ample opportunities to continually engage in authentic communicative tasks. This course will feature pair and group language practice activities. Students will learn to express their own views on topics and questions of interest to them. Some literature selections will be introduced and discussed. This course is designed to increase preparation for advanced placement test.

SPANISH 5 AP (Spanish Literature)
Credit: 1
Prerequisite: Spanish 4 AP
This course covers the equivalent of a third-year college course in advanced Spanish composition and conversation. It stresses oral skills, composition, and grammar. There is an emphasis on the use of Spanish for active communication relating to areas of interest such as the arts, history, current events, sports, literature, and other cultural topics. Students will be expected to read authentic materials such as newspapers, magazines, and specific literary selections.

SPANISH FOR SPANISH SPEAKERS 1 & 2
Credit: 2
Prerequisite: Oral and written language proficiency test to determine level.
These courses will address the unique instructional needs of those students who have different levels of ability as native Spanish speakers. It will include reading and writing strategies to help students with the STAAR, grammar, spelling, cultural features, and vocabulary enrichment. The course will also include some literature selections. This course will allow the student to become more proficient in both oral and written communication skills in Spanish. Much emphasis will be placed on increasing vocabulary and there will be focus on improving reading and writing skills as well. Students will have an introduction to Hispanic literature. The student will be encouraged to grow bilingually in this multicultural world.

SPANISH FOR SPANISH SPEAKERS 3 Pre- AP & 4 AP
Credit: 2
Prerequisite: Spanish for Spanish Speakers 1 and 2.
This course will have ample opportunities to continually engage in authentic communicative tasks. This course will feature pair and group language practice activities. Students will learn to express their own views on topics and questions of interest to them. Some literature selections will be introduced and discussed. This course is designed to increase preparation for the advanced placement test. **NOTE: All students must take the AP Spanish Language exam when it is offered in May.**

LATIN

LATIN 1
Credit: 1
Latin 1 introduces you to the Latin language and to its culture of origin, ancient Rome. Latin is a classical language and as such, we endeavor to study it rather than speak it: in this course you will begin to comprehend Latin text and you will learn how to translate it into English. (You'll strengthen your command of English in the process!) The texts themselves draw upon high-interest topics such as mythology and Roman society. This course meets as a multi-leveled class and you will benefit from supportive, productive collaboration with more experienced Latinists.

LATIN 2
Credit: 1
Prerequisite: Latin 1
In Latin 2, you will hone your translation skills by reading longer, more complex passages. You'll command a larger vocabulary and you'll master all of the basic grammatical forms. This increase in content and complexity opens up a brand new portal to the ancient Romans' culture and mythology as the texts begin to model authentic ancient Latin. This course meets as a multi-leveled class and you will benefit from supportive, productive collaboration with more experienced Latinists and from supporting those enrolled in Latin 1. Latin 2 students may join a Qualibet* Latin section with instructor approval, if space is available.

LATIN 3 Pre-AP
Credit: 1
Prerequisite: Latin 2
In Latin 3, you will comprehend and translate with more fluency: translation is no longer the end goal but a necessary stepping stone to literary analysis. As the year begins, your readings will still be adapted passages, but you'll take on your first authentic texts this year: poetic meter, figurative language, mythology, history, and Roman culture are studied seamlessly through these texts themselves. Authentic reading selections include excerpts of Ovid's Metamorphoses and Caesar's The Gallic Wars. This course meets as a multi-leveled class and you will benefit from opportunities to mentor and support less experienced Latinists. Latin 3 students may join a *Qualibet** Latin section with instructor approval.

LATIN 4 AP
Credit: 1
Prerequisite: Latin 3 Pre-AP

In Latin 4, you'll complete your analysis of Caesar's Gallic War and you'll marvel at Vergil's Aeneid against the backdrop of the Augustan Age. You'll achieve critical appreciation of these timeless pieces of literature through extensive literal

translation, literary and metrical analysis, supplemental English readings, and discussion of the pieces' context in ancient Roman society. This course meets as a multi-leveled class and you will benefit from opportunities to mentor and support less experienced Latinists. Latin 4 students may join a *Qualibet Latin section if their schedule allows**

LATIN 5 (Advanced Honors)
Credit: 1
Prerequisite: Latin 4 AP
Students will select, read, and analyze a survey of ancient Latin authors with a continued focus on literal translation, metrical and figurative devices in poetry, historical and cultural context, and influence on later literature. This course meets as a multi-leveled class and you will benefit from opportunities to mentor and support less experienced Latinists. Latin 5 students may join a *Qualibet** Latin section if their schedule allows. **Qualibet* sections are smaller, student-directed Latin teams that are organized to meet and work during the school day but independently of the traditionally scheduled Latin classes. Students in *Qualibet* teams have complete access to the LTHS Latin app through Schoology as well as resources for collaborating with other LTHS Latin students online. *Qualibet* sections have the same attendance and grading expectations as the traditionally scheduled Latin courses. However, these students are held to a higher standard of independent project completion and problem-solving and, in turn, they are granted a higher degree of freedom and flexibility.

FRENCH

FRENCH 1
Credit: 1
French I is an introductory class stressing basic language skills and acquisition. Students will be immersed in comprehensible language so that the brain has the opportunity to unconsciously acquire, or "pick up", what it can when it is ready. Students will acquire frequently used words and structures of the language by interacting daily with a competent French speaker (the teacher), and by reading often.

FRENCH 2
Credit: 1
Prerequisite: French 1
This course is a continuation of French 1. The instruction places special emphasis on the understanding of the French language and the expansion of the student's working vocabulary, cultural understanding and communication in the target language.

FRENCH 2 Pre-AP
Credit: 1
Prerequisite: French 1
This course is a continuation of French 1. The instruction places special emphasis on the understanding of the French language and the expansion of the student's working vocabulary, cultural understanding and communication in the target language. Students will begin to explore the 6 course themes in the AP French Language and Culture curriculum.

FRENCH 3 Pre-AP
Credit: 1
Prerequisite: French 2
This course offers a complete presentation of French grammar, as well as cultural and authentic readings and literary works by authors around the French-speaking world. Students continue to acquire language proficiency while reviewing and broadening their lexical and grammatical foundation. This course will begin the presentation of the 6 course themes in the AP French Language and Culture curriculum.

FRENCH 4 AP (French Language)
Credit: 1
Prerequisite: French 3 Pre-AP
Students should have a good command of French grammar and a high level of competence in listening, reading, speaking and writing. The basis of the AP French Language and Culture course are the three modes of communication (Interpersonal, Interpretive and Presentational). Students will have ample opportunities to continually engage in authentic communicative tasks. The course will be structured around the six course themes in the AP French Language and Culture course curriculum. Students will explore the themes including global challenges, science and technology, contemporary life, personal and public identities, families and communities and beauty and aesthetics. Each of the themes will stress authentic reading and listening practice and help students increase oral and written fluency in the French language.

FRENCH 5 (Advanced Honors)
Credit: 1
Prerequisite: French 4 AP
This course covers the equivalent of a 3rd year college course in composition and conversation. There is an emphasis on the use of French for active communication relating to areas of interest such as the arts, history, current events, sports, literature and other cultural topics. The course stresses oral skills, composition and grammar and is designed to increase proficiency level and prepare the student for the French Language Advanced Placement test and college French entrance exams.

AMERICAN SIGN LANGUAGE

AMERICAN SIGN LANGUAGE (ASL) 1
Credit: 1
This course covers receptive signing, expressive signing, interactive communication, culture and language. Emphasis will be placed upon the study of skills and concepts that result in the understanding of most routine questions, statements, requests, and the gist of everyday conversations on non-technical and familiar subjects. Concepts that result in knowledge and awareness of the history and culture of deaf people within a range of situations will be taught.

AMERICAN SIGN LANGUAGE (ASL) 2
Credit: 1
Prerequisite: ASL 1
This course is a continuation of ASL 1 and deals with the essential elements of receptive skills, expressive signing, interactive communication, culture and language. Concepts and skills will be developed that will result in generalizations about how a language operates. A majority of class time will be conducted in ASL. This “Voices Off” policy will enable students to be immersed in the language.

AMERICAN SIGN LANGUAGE (ASL) 3
Credit: 1
Prerequisite: ASL 2
This course allows the student to increase his/her knowledge and experience of the language and culture of the Deaf people in the United States. It will focus on specific language and cultural behaviors, as well as the grammar of ASL at an advanced level. Both expressive skills (student production of signs), and receptive skills (student understanding of signs) will be the major focus of the course. More emphasis will be placed on students’ expressive skills than in previous courses. ASL 3 will be conducted in sign language. This “Voices Off” policy will enable students to be immersed in the language.

CHINESE (MANDARIN)

Note: As a new program at LTHS, depending on enrollment, Chinese at LTHS may be teacher-led or provided online by LTISD. Online/virtual options will require self-discipline, organization, and commitment.

CHINESE 4: CHINESE LANGUAGE AND CULTURE AP
Credit: 1
Prerequisite: Chinese 3
AP Chinese Language and Culture is considered an advanced Chinese language course. This course will challenge students to build up a more complex vocabulary, focus on important linguistic grammar structures and continue to make complex phrases and sentences. The goal of this course is to deepen students’ immersion into the language and culture of the Chinese-speaking world. The course engages students in an exploration of both contemporary and historical Chinese culture. The students will be able to write Chinese sentences and essays, participate in fluent Chinese conversations, and read short Chinese stories with confidence.

PATH COLLEGE CAREER I: HIGH SCHOOL TRANSITION
Credit:2
RECOMMENDED for all 9th Graders (Students co-enrolled and receive 1 credit in Business Information Management)
The *Path College Career Prep* courses advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. Path courses focus on developing the habits and skills that are expected in college study and the workforce.The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals.

PATH COLLEGE CAREER III :COLLEGE TRANSITION
Credit:1
Prerequisite: English I and II
The *Path College Career Prep* courses advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. Path courses focus on developing the habits and skills that are expected in college study and the workforce. College Transition is designed to equip students with the knowledge, skills, and abilities necessary to be active and successful learners, both in high school and in college. Students examine numerous research based learning strategies that are proven to lead to academic success such as goal setting, effective time management, handling stress, note taking, active reading, test-taking strategies, and conducting research. In the College Transition course, students will research financial scholarships and grant opportunities, complete applications, and explore technical schools, colleges, and universities. With the increased emphasis on career and college readiness and post-secondary education, students need a course that will provide opportunities to meet these post-secondary opportunities in grades 9-12. **NOTE: This course requires a fee.**

CREATIVE WRITING (Literary Genres)
Credit: 0.5
Creative writing is a class dedicated to the expression and clear communication of ideas. Students should be prepared to produce all types of expressive projects from song lyrics to poetry to nonfiction. Lessons will be derived from many sources, including classic literature, current cinema, pop culture, and music. The class heavily emphasizes group interaction, participation and acceptance.

JOURNALISM
Credit: 0.5
This course is an introduction to journalism writing, layout, and media study. The course is writing intensive and will include several major projects, including conducting an interview or attending a newsworthy event.
NOTE: This course is a prerequisite for Yearbook.

CREATIVE WRITING WORKSHOP I (Advanced Journalism: Literary Magazine)
Credit: 1
In this project-based workshop class, students practice writing in various creative genres including poetry, fiction, creative nonfiction, and drama. Instruction is based on a seminar-style workshop format in which student writing is the primary text. Projects allow space for independent vision and interest while providing writers with experimental techniques to enhance their craft. In addition to producing their own creative projects, students will design, publish, and market our school literary magazine, The Lake Travis Review. Creative Writing Workshop I is a full-year elective course.

CREATIVE WRITING WORKSHOP II (Advanced Journalism: Literary Magazine)
Credit: 1
Prerequisite: Creative Writing Workshop 1
Students who successfully complete Creative Writing Workshop I may take Creative Writer's Workshop II and continue specializing in their area of writing interest. In this course, students will learn the basics of publishing, compose new creative works, and take leadership roles on the editorial staff of The Lake Travis Review.

PUBLIC SPEAKING 1 (Honors)
Credit: 1
Public Speaking 1 consists of the study of argumentation and rhetoric development on diverse political topics through multiple formats of Public Speaking. Students are taught how to think and listen critically as well as express those ideas in a constructive and efficient format. Creation of Public Speaking cases, speech writing, and practice Public Speakings will all be assessed. Public Speaking requires tournament participation as well as extensive student led research. Formats of Public Speaking learned include: Policy Public Speaking, Lincoln-Douglas Public Speaking, Public Forum Public Speaking, and Congressional Public Speaking. Public Speaking is open to all classifications of students. Entry into the Public Speaking program requires students to meet the honors course criteria, tournament participation on some weekends, and after school rehearsal. Public Speaking is a competitive class concentrating on both foreign and domestic policies of the United States and other countries. Students learn how to articulate their positions on topics through multiple formats of Public Speaking. Students will earn their speech requirement in this course by demonstrating proficiency in the skills required for graduation.

ORAL INTERPRETATION 1 (Honors)
Credit: 1
This class is designed to allow students to explore literature, screenplays, and Theatre from a personal experience. Students will learn how to analyze selections from different genres of literature in terms of character development, tone, and mood and will be able to apply that analysis in developing a personal interpretation of the selections. In class performances are required in the following events: humorous interpretation, dramatic interpretation, duet acting, duo interpretation, prose, and poetry. Tournament participation on some weekends is required.

Public Speaking 2-4/Oral Interpretation 2-4 (Honors)
Credit: 1
Prerequisite: Public Speaking 1 or Oral Interpretation 1
This is the upper level speech and Public Speaking class for competitive varsity members. Tournament participation is required. This class will focus on developing student's abilities in the events of their choosing. This class is for students who want to be serious competitors on the speech and Public Speaking circuit.

FILM HISTORY AND AESTHETICS (Visual Media)
Credit: 0.5
This course is focused on the history of cinema and many of its movements over the past 100 years. It will help the student to develop a scholarly, creative and professional approach to film while incorporating creative, practical, intellectual and esthetic values. Study will incorporate specific genres (e.g. Western, gangster, musical, silent, epic, comedy, and social drama).

MODEL UNITED NATIONS 1 (Social Studies Research Methods) (Honors)
Credit: 1
Model United Nations is an analysis-level, application-based Honors class in which you can earn a social studies elective credit. You will learn about the United Nations, current events, improve your speaking skills and understand the world around you. This class will take you from basic speaking skills to being able to Public Speak like the UN on global topics. During the year, you will participate in in-depth discussions, conferences and the capstone project is to produce a two day Model United Nations conference.

MODEL UNITED NATIONS 2-4 (Social Studies Research Methods) (Honors)
Credit: 1
Prerequisite: Model UN 1 or participation in 3 previous LTHS tournaments
This is the upper level Model UN class for competitive members. Tournament participation is required. This class will focus on improving the base skills they have already acquired through Model UN 1. This class is for students who want to be serious competitors in Model UN.

OFFICE AIDE
Credit: 1
Prerequisite: Senior
Only students classified as seniors are scheduled to be office aides. Students may have only one office aide period per semester.
NOTE: This course is for local credit only.

OFF-CAMPUS
Credit: None
Prerequisite: Senior (18 or more credits)
Seniors may elect to be off-campus one period (must either be 1st/5th or 4th/8th period) each day during their senior year. If a student chooses off-campus, the student may not be on campus during the off-campus period without the permission of a teacher, counselor, administrator, or staff member.

PALS 1
Credit: 1
Prerequisite: Application & Selection
The Peer Assistance and Leadership course is a peer-helping program in which students are selected through an application and interview process to be trained as peer facilitators. PAL I training includes team building, leadership skills, communication skills, and decision making. Following the initial training period, students are assigned as mentors to students and community members. The PAL curriculum and training are designed to meet the standards and ethics for effective peer programs as set by the National Peer Helpers Association.
NOTE: PAL I & II is double blocked. Students taking the courses must take PAL I and PAL II consecutively.

PALS 2
Credit: 1
Prerequisite: Completion of PAL I; Application & Selection
PAL II curriculum includes weekly mentoring assignments as well as continuing curriculum enrichment. In addition to communication and leadership skills, students will address such issues as conflict resolution and peer mediation. The PAL curriculum and training are designed to meet the standards and ethics for effective peer programs as set by the National Peer Helpers Association.
NOTE: PAL I & II is double blocked. Students taking the courses must take PAL I and PAL II consecutively.

PALS 3 & 4 Juniors/Seniors
Credit:1
Prerequisite: Completion of PAL I & II; Application, Evaluation, & Selection
Peer Assistance and Leadership PAL III Mentoring: is a double blocked, fall semester course where students are trained and given the tools to be be mentors and role models to life skills students and students at the middle and elementary level.
Peer Assistance and Leadership PAL IV Leadership: is a double blocked spring semester course where students who are trained in the PALs III course will continue to be mentors and role models to life skills students and students at the middle and elementary level. Students will plan, oversea, and carryout community service projects such as CavinCrisis, Thrills4Skills, and LTStronger.

PALS 5 Seniors
Credit:1
Prerequisite: Completion of PAL 3 & 4; Application, Evaluation, & Selection
PAL Senior Officers PAL V: *is a double blocked course of seniors who have successfully completed the PAL III & PALS IV prerequisite. PAL V roster would consist of 6-8 students per sections*
PAL Senior Officers PAL V: *Would be a stacked class and would assist in the day to day operations, organization, team building, group norms, planning, and mentoring for the freshmen, sophomore, and junior classes.*
PAL Senior Officers PAL V: *would be responsible for planning, fundraising, scheduling, and managing the Lake Travis Leadership Conference.*
PALS Senior Officers would be a **double stacked** class with **PALS I, II, III & IV classes** who would assist in the day to day operations, organization, team building, group norms, planning, and mentoring for the freshmen.

SCREENWRITING (Creative/Imaginative Writing)
Credit: 1
This is a writing-intensive course where students will learn the craft of screenwriting through the study of scene writing, character creation, three-act structure, and dramatic conflict. In the first semester students will write scenes and short screenplays. In the second semester, they will outline and create a longer original screenplay. All student writing will be read out loud in class in a workshop setting, and students will learn to critique their classmates' writing in a positive and constructive manner. Students will also study and analyze the work of master screenwriters through reading screenplays and watching films.

SPORTS MEDICINE
Credit: 1
Prerequisite: Must be approved by the Athletic Trainer
First year student trainers will enroll in course after being accepted in sports medicine program. Must complete application process and try-out for program in the previous year's spring semester.
In this course the students will learn about athletic injuries including the prevention, immediate care, treatment, and rehabilitation of those injuries. This course is designed for students in the student athletic training program, and provides a more in-depth study and application of the components of sports medicine. Individualized and independent assignments will be included in this course. This course will involve outside-of-class time homework. **NOTE: This course is for elective credit (not PE credit) and is recommended for students interested in learning more about being in Athletic Training.**

YEARBOOK 1-3
Credit: 1
Yearbook courses center on the advanced study of journalism. Students will produce the yearbook as staff members. Students must be self-motivated, responsible, and able to work under pressure to meet deadlines. **NOTE: Students are required to work after school.** Students must agree to use breaks and after school time for photo and news gathering at school functions and other duties. Students will learn techniques of editing, writing, layout and design, advertising, sales, photography, publishing, and management.

ALTERNATIVE ELECTIVES (ARD PLACEMENT)

STRUCTURED LEARNING
Credit: 1
Prerequisite: ARD placement This course is designed to improve study skills and provide support for students in acquiring the necessary skills to school success. Students will learn methods of organization and study strategies. Independent time is allocated to work on homework, projects, and prepare for tests.

OCCUPATIONAL PREP 1 (may count as Modified Technology Applications credit)
Credit: 1
Prerequisite: ARD placement
This course prepares students to enter the job market through a study of job clusters and employment issues. The course also teaches application and interview processes, identifying barriers to employment, individual attributes that enhance employability, ways to locate available jobs, using community services/resources to aid employment and to maintain a successful job experience.

OCCUPATIONAL PREP 2
Credit: 1
Prerequisite: ARD placement
This course is designed to teach students the important skills required to maintain a job, such as workplace safety, understanding job responsibilities, time requirement and management, relationships, task commitment, accepting feedback from an authority figure, leaving a job appropriately, organizational skills and performance and evaluation requirements. Job specific skills are introduced in various areas. Students explore a variety of jobs and activities that comprise the responsibilities and routines of daily employment.

SUPERVISED EMPLOYMENT
Credit: 1
Prerequisite: ARD placement
To prepare LTISD students for work experiences through training and guidance. This program will prepare youth for work experiences through training and guidance in the community. Supervised Employment will train youth in technical skills, and soft or hard skills needed for specific career pathways or work settings. The program staff will devote significant time to developing and maintaining relationships with local employers. Supervised Employment carefully matches youth to work experience opportunities based on individual interests and skills and provides ongoing support to youth and employers throughout the work experience.

SCHOOL STORE OPERATIONS
Credit: 1
Prerequisite: ARD Placement
School Store Operations is a full year course that students will take while working in the school based enterprise on campus. Students will facilitate all aspects of the school run business including sales, promotion, inventory, cash management and general operations. This course is designed to learn the basic fundamentals of creating and operating a business through the management of the on-campus school based enterprise.

V.A.C. (BASIC VOCATIONAL ADJUSTMENT CLASS)
Credit: 1-4
Prerequisite: ARD placement
This course provides the student with the opportunity to develop and practice skills needed to acquire and maintain employment. Students receive instruction to develop personal and interpersonal skills required to compete in the workplace. Instruction is provided in the classroom and on the job site with emphasis on maintaining employment and career advancement. Students must maintain a job to continue in this course.

HOME AND COMMUNITY SKILLS
Credit: 1
Prerequisite: ARD placement This course is a functional skill, multi-level course covering independent living skills as designated in each student's IEP. Some of the topics taught in this class include nutrition, menu planning, grocery shopping, sanitation, basic food prep, cleaning, laundry, safety and hygiene. The student's instruction focuses on identified needs set forth in the IEP for each student.

L.I.F.E. PROGRAM (BASIC TRANSITION PROGRAM) (Learning Independence for Everyday)
Credit: 1
Prerequisite: 18+ yrs old This course is designed to promote individual growth toward independent living goals. As the transition student leaves the system he/she should have a job, a plan for recreation and post-secondary education, a means of transportation (beyond the school bus). The program should be a rehearsal for the exit from school services. Schedules will be flexible and do not follow a traditional school day. Students in the transition program will be working and learning in natural environments. These settings may include job sites in the community or other community education opportunities.

AUDIO VIDEO PRODUCTION

AUDIO VIDEO PRODUCTION I
Credit: 1
Grade Placement: 9–12
Prerequisite: None.
Note: Articulated Austin Community College credit available for 9th, 10th, and 12th grade students
In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video products. **No experience is necessary. Course supply requirement: Each student will be required to provide their own 16GB (minimum) SD card.**

AUDIO VIDEO PRODUCTION II
Credit: 1
Grade Placement: 10–12
Prerequisite: Audio/Video Production I.
Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and postproduction products. This course may be implemented in an audio format or a format with both audio and video. **Course supply requirement: Each student will be required to provide their own 16GB (minimum) SD card.**

- This course centers on the advanced study of film/video production. Students will produce the school CavCast as staff members, as well as, live events (sports, concerts and plays), and commercials for local business/non-profit organizations. Students must be self-motivated, responsible, and able to work under pressure to meet deadlines. **NOTE: Students are required to work before and/or after school.**
- Students must agree to utilize after school time for video/photo news gathering at school functions and other assignments.
- Students will learn techniques of new media journalism to include news gathering, editing, writing, photography, audio capture, and web based publishing and management. Students will also be expected to complete one independent project (narrative or documentary) for submission to a film festival.
- Students will assist in the development, planning, and execution of a district-wide multimedia technology fair to be conducting each spring.

PRACTICUM IN AUDIO VIDEO PRODUCTION HONORS
Credit: 2
Grade Placement: 11–12
Credits: 2
Prerequisites: Audio/Video Production II.
Building upon the concepts taught in Audio/Video Production II and its corequisite Audio/Video Production II Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course may be implemented in an advanced audio/video or audio format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.NOTE: Students are required to work before and/or after school. Course supply requirement: Each student will be required to provide their own 16GB (minimum) SD card.

BUSINESS MANAGEMENT & FINANCE

PRINCIPLES OF BUSINESS, FINANCE & MARKETING
Grade Placement: 9–11
Credits: 1
Prerequisite:None.
In Principles of Business, Marketing, and Finance, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, the marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

MONEY MATTERS
Grade Placement: 9–12
Credit: 1
Prerequisite:None.
Recommended Prerequisites: Principles of Business, Marketing, and Finance.

In Money Matters, students will investigate money management from a personal financial perceptive. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will gain knowledge and skills necessary to establish short-term and long-term financial goals. Students will examine various methods of achieving short-term and long-term financial goals through various methods such as investing, tax planning, asset allocation, risk management, retirement planning, and estate planning.

GLOBAL BUSINESS
Grade Placement: 10–12
Credits: .5
Prerequisite: None.
Note: Articulated Austin Community College credit available for 9th, 10th, and 12th grade students
Global Business is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.

BANKING AND FINANCIAL SERVICES
Grade Placement:10–12
Credit: .5
Prerequisites: None.
Recommended Prerequisite: Principles of Business, Marketing, and Finance.
In Banking and Financial Services, students will develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of banking to become competent employees and entrepreneurs. Students will incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

BUSINESS LAW
Grade Placement: 11–12
Credits: 1
Prerequisite: None.
Business Law is designed for students to analyze various aspects of the legal environment, including ethics, the judicial system, contracts, personal property, sales, negotiable instruments, agency and employment, business organization, risk management, and real property. ******Students will visit the Travis County Courthouse and County Jail and learn about/participate in the Texas High School Mock Trial Competition.

ACCOUNTING 1
Grade Placement: 10–12
Credit:1
Prerequisites: None.
Recommended Prerequisites: Principles of Business, Marketing, and Finance.
Note: Articulated Austin Community College credit available for 9th, 10th, and 12th grade students
In Accounting I, students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students will reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students will formulate and interpret financial information for use in management decision making.Accounting includes such activities as bookkeeping, systems design, analysis, and interpretation of accounting information**.**

FINANCIAL MATHEMATICS
Grade Placement: 10–12
Credit: 1
Prerequisite: Algebra I.
Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. ***Note: This course satisfies a math credit requirement for students on the Foundation High School Program.***

MARKETING

FASHION MARKETING
Grade Placement: 9–12
Credit:.5
Prerequisite: None.
Recommended Prerequisite: Principles of Business, Marketing,and Finance.
Note: Articulated Austin Community College credit available for 9th, 10th, and 12th grade students
Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual

merchandising, and career opportunities.

SPORTS & ENTERTAINMENT MARKETING
Grade Placement: 9–12
Credit: .5
Prerequisite: None.
Recommended Prerequisite: Principles of Business, Marketing,and Finance.
Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

ADVERTISING
Grade Placement: 9–12
Credit: .5
Prerequisite: None.
Recommended Prerequisite: Principles of Business, Marketing, and Finance.
Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Student will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

ENTREPRENEURSHIP
Grade Placement: 10–12
Credit: 1
Prerequisite: None.
Recommended Prerequisites: Principles of Business, Marketing,and Finance.
Note: Articulated Austin Community College credit available for 9th, 10th, and 12th grade students
Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services.

SOCIAL MEDIA MARKETING
Grade Placement: 9–12
Credit: .5
Prerequisite: None.
Recommended Prerequisite: Principles of Business, Marketing and Finance or any marketing course.
Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

BUSINESS TECHNOLOGY APPLICATIONS

BUSINESS INFORMATION MANAGEMENT (BIM)
Grade Placement: 9
Credit: 1
Prerequisite: None
Corequisite: Path College Career I: High School Transition
Note: Articulated Austin Community College credit available for 9th grade students. All 9th grade students are highly encouraged to enroll in this course as part of the Path College Career I: High School Transition course.
In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education utilizing digital literacy skills. Students apply technical skills to address business applications of emerging technologies, create word processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software.

GRAPHIC DESIGN AND ILLUSTRATION 1
Credit: 1
Prerequisite: None
Recommended Prerequisite: Principles of Arts, Audio/Video Technology, and Communications
This course explores the many aspects of Graphic Design from the Illustrator to the Art director. Students will continue the study of the elements and principles of design and develop a digital portfolio of their work. They will be introduced to various drawing, photography and layout computer programs such as Adobe CS6.

DIGITAL MEDIA
Grade: 10-12
Credit: 1
Ths course develops proficiencies in designing, importing and manipulating advanced text, graphics, audio and video used in presentation management, multimedia productions, publishing systems, and emerging technologies. Students will use Adobe Creative Suite including Photoshop.

CAREER PREPARATION I
Credit: 2
Prerequisites:
- **Meeting with teacher prior to enrollment**
- **Complete application**
- **Teacher recommendations**
- **Students must be at least 16 years old**
- **Good attendance record**
- **Students must have own transportation to work**
- **Must be employed the entire school year**

Career Preparation I provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success.

SCHOOL STORE OPERATIONS (Project Based Research)
Grade Placement: 11–12
Credit: 1
Prerequisites: Principles of Business, Finance & Marketing and at least two other business or marketing classes or competitive DECA member. Please see the teacher for signature approval to register for this class.
School Store Operations is a full year course that working in the school based enterprise on campus and is a capstone experience for students in business and marketing classes. Students will facilitate all aspects of the school run business including sales, promotion, inventory, cash management and general operations. This course is designed to learn the basic fundamentals of creating and operating a new business venture through the management of the on-campus school based enterprise. In addition to running the store, students are required to prepare an individual research project and interact with industry mentors as they research, create and present their solutions. Students receive a number grade each grading period based on attendance, assignment completion and store management, project development and weekly checkpoints. Project-Based Research is a course for students to research a real-world problem. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests. Students use scientific methods of investigation to conduct in-depth research, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

ENGINEERING

INTRODUCTION TO ENGINEERING DESIGN
Grade Placement: 9–12
Credit: 1
Have you ever wondered how your sunglasses or iPod was designed? If so, then you should consider taking Introduction to Engineering Design. This is a course designed to explore the world of engineering, which will cover units in design, sketching, Computer-Aided Design (CAD) modeling and assembly, geometric relationships, analysis, documentation and presentation. This course may include Engineering Design and Problem Solving including Engineer Your World.

PRINCIPLES OF ENGINEERING (Honors)
Grade Placement: 10–12
Credit: 1
Prerequisite: Introduction to Engineering Design and concurrent enrollment in Geometry
Note: Articulated Austin Community College credit available for 9th, 10th, and 12th grade students
Have you ever used coat hangers and duct tape for something other than hanging coats and taping ducts? Then this course is for you! This introductory course in engineering is a “hands on” project oriented course, designed to help students understand the field of engineering technology and its career possibilities. Students will be taught project management skills and be expected to pace their studies as they progress through each unit. Students will explore technology systems and manufacturing processes to help students learn how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change.

CIVIL ENGINEERING AND ARCHITECTURE (CEA) HONORS
Grade Placement: 10–12
Credit: 1
Prerequisites: Completion of Algebra 2 (average 85 or higher recommended). Completion of Introduction to Engineering Design (IED) OR Architectural Design
This is a study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including components and systems, structural design, stormwater management, site design, utilities and services, cost estimation, energy efficiency, heat loss/gain, beam design/analysis, surveying and careers in the Civil and Architectural industry.The students will utilize industry leading 3D software Autodesk Revit Architecture to create and test their own residential and commercial designs. At the conclusion of the course the student will have a better understanding of design and construction of residential and commercial industry. Students will be required to take an End-of-Course exam administered by Project Lead the Way (PLTW). The exam is composed of 64 multiple choice questions with an 80 minute time limit. **NOTE: This course requires a course fee**

DIGITAL ELECTRONICS (Honors)
Grade Placement: 10–12
Credit: 1
Prerequisites: Completion of Algebra 2 (average 85 or higher recommended). Completion of Introduction to Engineering Design (IED) OR Principles of Engineering (POE)
Note: Articulated Austin Community College credit available for 9th, 10th, and 12th grade students
After beginning with an introductory unit into basic electrical fundamentals, the Digital Electronics course transitions into the digital focus of electronics. In the second unit of the course, the students build fun and engaging projects such as a voting machine and a fireplace control circuit as they learn principles of combinational logic. The students are then introduced to sequential logic as they build projects such as a burglar alarm, and a 60 second timer. The fourth major unit of this class introduces the development of circuits based upon microcontrollers as students build a toll booth gate, and copier jam detector. As the class learns digital electronics concepts, circuits are first prototyped virtually using circuit design software called Multi-Sim and then built live either on a breadboard or with the use of a microcontroller. Students do not need to have any prior knowledge of electronics before taking this course. Students will be required to take an End-of-Course exam administered by Project Lead the Way (PLTW). The exam is composed of 65 multiple choice questions with an 80 minute time limit. **NOTE: This course requires a course fee**

ENGINEERING DESIGN AND DEVELOPMENT (Honors)
Grade Placement: 11–12
Credit: 1
Prerequisite: Introduction to Engineering Design and Principles of Engineering plus 1 of the following:
- Architectural Design
- Civil Engineering and Architecture
- Computer Science
- Digital Electronics
- Robotics & Automation

This course is an engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year.

SOFTWARE ENGINEERING

FUNDAMENTALS OF COMPUTER SCIENCE
Credit: 1
Prerequisite: Algebra 1
Introduction to computer science focuses on foundational computer science concepts and computational practices. The course will include history of computing, computer hardware, computer security, networking, introductory programming practice with SCRATCH, Webpage Development, App Development, Robotics, JavaScript, and Java. Students will learn computational thinking through logical reasoning, problem-solving, and creating algorithms. Students will also explore the ethical and social issues in computing and careers in computing.

COMPUTER SCIENCE ONRAMPS (UT DUAL-ENROLLMENT)
Credit: 1
Prerequisite: Algebra 1 and Algebra 2 or co-enrollment
THRIVING IN OUR DIGITAL WORLD is a new dual-enrollment course that teaches computer science principles, a set of core ideas that shapes the landscape of computer science and its impact on our society. In addition to learning about the magic and beauty of computing, students will acquire essential Texas College and Career Readiness skills, applying critical thinking, problem solving, and communication within a project-based learning framework. Students will experience high-quality curriculum designed by the faculty at The University of Texas. Students can earn three hours of UT credit with feedback and assessment provided by UT course staff.
There is a fee associated with this course.

COMPUTER SCIENCE PRINCIPLES AP
Credit: 1
Prerequisite: Geometry or Fundamentals of Computer Science
This course prepares students to take the Computer Science Principles AP examination. It will introduce students to the foundations of computer science and include how the internet works, how digital data is stored, what is Big Data and how it is used, data privacy and cybersecurity issues, global impacts of computing, and creative aspects of programming, using abstractions and algorithms. Students will learn computational thinking practices that help them see how computing is relevant to many areas of their everyday lives and create programs in JavaScript to solve real life problems. This course involves creativity, writing, innovation, reflection, and logical thinking. The AP College Board requirements for this class involve two projects during the school year which are submitted to AP College Board as part of the students AP Score for the course. One of the projects is a research paper over a computing innovation. The second project is creating a computer program along with a written response describing their program. There is also a 2 hour multiple choice AP Exam in May. **Note: Satisfies 1 LOTE credit.**

COMPUTER SCIENCE AP
Credit: 1
Prerequisites:
- **Completion of Algebra 2 Required (average 85 or higher recommended)**
- **Completion of AP Computer Science Principles OR Fundamentals of Computer Science Required (average of 90 or higher recommended)**
- **Good Attendance (because of our programming environment in class)**
- **Good Typing Skills, Logical Thinking Skills, Patience and Perseverance**

This is a fast paced college level programming class that teaches the Java programming language in detail. We write thousands of lines of code and cover several abstract concepts of Java. This course prepares students to take the Computer Science A AP examination. Topics include designing and implementing computer solutions to problems, learning well-known algorithms and data structures, and coding fluently in Java. The concepts of inheritance, polymorphism, data abstraction and recursion will be emphasized. The AP Computer Science test is 3 hours. 40 multiple choice questions - 1.5 hours (50% of score), 4 Free response questions - 1.5 hours (50% of score). The test is all on paper, and the free response questions are handwritten segments of code.
Note: Satisfies 1 LOTE credit.

COMPUTER SCIENCE ADVANCED HONORS
Credit: 1
Prerequisites: Computer Science AP
This is an independent study course used to continue the study of the Java programming language and allow students to choose a topic in computer science they would like to learn more about in an independent study.! An assignment will be given each grading period on an advanced data structure in Java including Stacks and Queues, Linked Lists, and Trees. Students should be motivated to do research, put their research into practice in programming, and report on their accomplishments each grading period for the individual topic of study. Some popular topics of interest include learning new programming languages such as python and C++, web page development, app development, game design and development, and physical computing.

PRINCIPLES OF CYBERSECURITY Honors
Grade Placement: 10–12
Credit: 1
This course develops the knowledge and skills needed to master fundamental concepts of cybersecurity. Students in the course will develop a basic foundation for continuing their cybersecurity education and choosing a career in the cybersecurity field. Students will explore the challenges facing information security professionals related to ethics, system security, network security and application security. Students will conduct risk assessments and develop and implement security policies to mitigate those risks. Students will examine trends in cyberattacks, common vulnerabilities and the emergence of cyber terrorism.

ROBOTICS I Honors
Grade Placement: 9–10
Credit: 1
Prerequisite: None Recommended Prerequisite: INTRODUCTION TO ENGINEERING DESIGN
In Robotics I, students will transfer academic skills to component designs in a project based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

ARCHITECTURE

ARCHITECTURAL DESIGN I
Grade Placement: 10–12
Credit: 1
Prerequisites: Algebra I and English I. Recommended Prerequisites: Geometry, Principles of Architecture, and Principles of Construction.
In Architectural Design I, students will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. Architectural Design I include the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scaled models for nonresidential or residential architectural purposes. **NOTE: This course requires a course fee**

INTERIOR DESIGN I
Grade Placement: 10–12
Credit: 1
Prerequisites: Algebra I and English I.
Interior Design I is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Students will use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, promote sustainability, and compete in industry. **NOTE: This course requires a course fee**

AGRICULTURE

PRINCIPLES OF AGRICULTURE, FOOD, and NATURAL RESOURCES
Grade Placement: 9–12
Credit: 1
Prerequisite: None.
Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations.

HORTICULTURE & LANDSCAPE DESIGN

HORTICULTURAL SCIENCE
Grade Placement:10–12
Credit: 1
Prerequisite: None.
Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production.

WILDLIFE, FISHERIES, and ECOLOGY
Grade Placement: 9–12
Credit: 1
Prerequisite: None.
Wildlife, Fisheries, and Ecology Management examines the management of game and nongame wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings

FLORAL DESIGN
Grade Placement: 9–12
Credit:1
Prerequisite: None.
Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.
Note: This course satisfies a fine arts credit requirement for students on the Foundation High School Program.
Note: This course requires a supply fee.

VETERINARY & ANIMAL SCIENCE

LIVESTOCK PRODUCTION
Grade Placement: 10–12
Credit:1
Prerequisite: None.
In Livestock Production, students will acquire knowledge and skills related to livestock and the livestock production industry. Livestock Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry.

VETERINARY MEDICAL APPLICATIONS
Grade Placement: 11–12
Credit: 1
Prerequisites:Equine Science, Small Animal Management, or Livestock Production.
Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species.
This course of study is designed to prepare students for the certification examination through the Texas Veterinary Medical Association (TVMA), which leads to a Certified Veterinary Technician. Level 1 and Level 2 Competencies, set by TVMA will be covered.

ADVANCED ANIMAL SCIENCE
Grade Placement: 11–12
Credit:1
Prerequisites: Biology and Chemistry or Integrated Physics and Chemistry (IPC);Algebra I and Geometry;and either Small Animal Management, Equine Science, or Livestock Production. Recommended Prerequisite: Veterinary Medical Applications.
Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. ***Note: This course satisfies a science credit requirement for students on the Foundation High School Program.***

AGRICULTURAL MECHANICS

AGRICULTURAL MECHANICS and METAL TECHNOLOGIES
Grade Placement:10–12
Credit: 1
Prerequisite: None. Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources.
Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

AGRICULTURAL STRUCTURES DESIGN and FABRICATION
Grade Placement:11–12
Credit: 1
Prerequisite: None. Recommended Prerequisites: Agricultural Mechanics and Metal Technologies.
In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment.

WELDING I
Grade Placement: 10–12
Credit: 2
Prerequisite: None. Recommended Prerequisites: Algebra I, Principles of Manufacturing, Introduction to Precision Metal Manufacturing, or Introduction to Welding.
Welding I provide the knowledge, skills, and technologies required for employment in metal technology systems. Students will develop knowledge and skills related to this system and apply them to personal career development. This course supports integration of academic and technical knowledge and skills. Students will reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for future success.

AGRICULTURAL POWER SYSTEMS
Grade Placement:10–12
Credit: 2
Prerequisite: None. Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources.

Agricultural Power Systems is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

HEALTH SCIENCE

MEDICAL TERMINOLOGY
Grade Placement: 9–12
Credit: 1
Prerequisite: None.
The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

PRINCIPLES OF HEALTH SCIENCE
Grade Placement: 9–10
Credit: 1
Prerequisite: None.
The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

HEALTH SCIENCE THEORY
Grade Placement: 10–12
Credit: 1
Prerequisites: Principles of Health Science and Biology. Recommended Corequisite: Health Science Clinical.
The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

LIFETIME NUTRITION AND WELLNESS
Grade Placement: 10–12
Credit: 1
Lifetime Nutrition and Wellness stresses the importance of healthful eating, mindfulness and physical activity. This class will explore how decisions affect wellness at the various stages of the life cycle. The curriculum will be based on three keystone pillars being movement, nourishment and mindfulness. Students will learn the physiology of how movement positively affects the health of every major body system. Students will explore food, how it relates to the human body, diseases, growing, cooking and preparing. The study of physiology of stress and how stress, anxiety and depression affects the health of the entire body as well as relationships with others.

COUNSELING AND MENTAL HEALTH
Grade Placement: 11–12
Credit: 1
Prerequisite: None. Recommended Prerequisite: Principles of Human Services.
In Counseling and Mental Health, students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations on their actions and responsibilities, and the implications of their actions. Students understand how professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

MEDICAL MICROBIOLOGY & IMMUNOLOGY (HONORS) see page 30
PATHOPHYSIOLOGY (HONORS) see page 30

HEALTH SCIENCE-Certified Medical Assistant (CCMA) (Honors)
Credit: 1
Prerequisite: Health Science, Chemistry, Anatomy and Physiology & Teacher Approval Process
The course content includes developing the skills to be able to assist physicians with exams, take vital signs, practice aseptic technique, interview patients for medical history, provide proper medical documentation, perform clinical procedures, use aseptic laboratory techniques and protocols, understand and use medical terminology and understand and use office procedures including HIPAA, OSHA, medical insurance billing and medical coding. Students will gain valuable knowledge to prepare them to handle both the clinical duties and administrative responsibilities in a variety of healthcare settings. Students who successfully complete the course will have the opportunity to sit for the Medical Assistant Certification Exam offered by National Healthcare Association. **NOTE: This course requires a fee.**

PRACTICUM in HEALTH SCIENCE-*Certified Nurse Assistant (CNA)* (Honors)
Grade Placement:11–12
Credit: 2
Prerequisites: Principles of Health Science, Health Science Theory, and Biology.
The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. NOTE: This course requires a fee. This course is double-blocked. This course is limited to 20 students for 2018-19 due to clinical placements. Please see the teacher for more details if you would like to register for this class.

HEALTH SCIENCE PRACTICUM-Pharmacy Technician
Grade Placement:11–12
Credit: 1
Prerequisites: Biology and Chemistry. Recommended Prerequisites: A course from the Health and Science Career Cluster.
The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers.

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY
Credit: 1
Prerequisite: None
Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, protective services, corrections, firefighting, and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, protective services, and corrections.

LAW ENFORCEMENT 1
Grade Placement: 10–12
Credit:1
Prerequisite: None. Recommended Prerequisite:Principles of Law, Public Safety, Corrections, and Security.
Law Enforcement I is an overview of the history, organization, and functions of local, state, and federal law enforcement. Students will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

COURT SYSTEMS AND PRACTICES
Grade Placement: 10–12
Credit: 1
Prerequisite: None. Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security.
Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and Interrogations. This course will provide students with practical legal application opportunities through motion practice, brief writing, oral arguments, moot court and mock trials.

CRIMINAL INVESTIGATION
Grade Placement: 10–12
Credit: 1
Prerequisite: None. Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security.
Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence.

FORENSIC SCIENCE
Grade Placement:11–12
Credit: 1
Prerequisites: Biology and Chemistry. Recommended Prerequisite or Corequisite: Any Law, Public Safety, Corrections, and Security Career Cluster course.
Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.Scientific methods of investigation can be experimental,

descriptive, or comparative. The method chosen should be appropriate to the question being asked. ***Note: This course satisfies a science credit requirement for students on the Foundation High School Program.*** ***Note: This course satisfies an advanced science credit.***

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY
Grade Placement: 11–12
Credit: 2
Prerequisite: None.
The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

VISUAL ARTS

In Art 1 – 4 and AP Art, students purchase a $25 art supply kit. The kit contains the brand specific required art supplies for the upcoming school year. The kit listed below will be the property and responsibility of the individual student but will be expected to be utilized in the art room and at home as needed. We have worked hard to find the best deals for specific brands of supplies by ordering in bulk. Our goal was to save parents time and money by putting together this kit so that you were not having to hunt down specific school supplies for art.

ART 1
Credit: 1
This course is an introduction to the basic elements and principles of design. It will deal with basic drawing design techniques as well as introducing several different mediums for students to explore. Students will have the opportunity to examine art and artists and engage in various art processes including drawing, painting, printmaking, ceramics, sculpture and sketchbook submissions. Students will learn to use creative problem-solving and critical analysis through execution of projects and critique.

ART 2 DRAWING & PAINTING
ART 2 CERAMICS
ART 2 SCULPTURE
Credit: 1
Prerequisite: Art 1
Ceramics and Sculpture is a continued study of the elements and principles of design and the study of three-dimensional art in the context of projects in ceramics and sculpture. Students will have the opportunity to explore various sculpture and construction techniques in clay such as relief and free form sculpture, coil slab, and wheel-thrown pottery, tile and mosaic construction as well as glazing, patination and other methods of surface decoration. Drawing & Painting course is a continued study of the elements and principles of design and the study of two-dimensional art in the context of projects in drawing and painting. Students will have the opportunity to use various drawing and painting media, including pastels, watercolor, acrylic and pen and ink and continue to use creative problem-solving and critical analysis in the execution of projects.

ART 3 DRAWING & PAINTING
ART 3 CERAMICS
ART 3 SCULPTURE
Credit: 1
Prerequisite: Art 2
This course is designed for the serious art student and will concentrate on development of individual style as well as technical proficiency in a variety of media. Emphasis will be on visual organization of elements and principles of design as well as aesthetic and critical judgment. Students will begin to build a portfolio.

ART 4 DRAWING & PAINTING
ART 4 CERAMICS
ART 4 SCULPTURE
Credit: 1
Prerequisite: Art 3
This course is for the serious art student interested in investigating stylistic and technical directions in his/her work as well as building a portfolio in preparation for college and other post-secondary training in the graphic or fine arts. The course is structured to emulate the way a practicing artist really works. Students have the opportunity to pursue individual interests while working independently. It is structured only in that it provides a time frame and evaluation criteria.

ART AP 2D DRAWING AND PAINTING PORTFOLIO, Year 1
ART AP 3D PORTFOLIO, Year 1
Credit: 1
Prerequisites: (All 3 requirements must be met) Successful completion of Art 2 Drawing and Painting, Teacher recommendation from the designated Art 2 Drawing and Painting Teacher, Teacher Approval from the designated AP 2D teacher.
This is a program administered by the College Board to provide highly motivated high school students an opportunity to earn college credit. This course is the first year of the portfolio with a focus on continued skill building and a mixture of breadth and concentration portfolio pieces. In the first year of AP Art 2D or 3D Portfolio, students will switch between breadth assignments that build skills and technique as well as explore one specific concept via the concentration section of the portfolio. Students will use a variety of media. Students will develop mastery in concept, composition and execution. Students that sign up for year 1 of Art AP 2D or 3D are committing to a 2 year studio art AP program and a final submission of the AP portfolio their senior year.

ART AP 2D DRAWING AND PAINTING PORTFOLIO, Year 2
Credit: 1
Prerequisite: Successful completion of Art AP 2D Drawing Portfolio, Year 1 and Teacher Approval from the designated AP 2D teacher.
This is a program administered by the College Board to provide highly motivated high school students an opportunity to earn college credit. This course is the second year of the portfolio with a focus on technique, composition and conceptual thought. Students will work on a mixture of breadth and concentration portfolio pieces. In the second year of AP Art 2D Drawing Portfolio, students will continue to investigate the Concentration section of the Portfolio as well as demonstrate successful technique and skill in the Breadth section. Students will use a variety of wet and dry 2D media. Students will develop mastery in concept, composition and execution. Students will be required to submit their AP Portfolio to the College Board at the completion of this 2 year program.

ART AP 2D DESIGN PORTFOLIO
Credit: 1
Prerequisites: (All 3 requirements must be met) Successful completion of Art 2 Drawing and Painting or Digital Photography or Graphic Design, Teacher Recommendation from either the Art 2 Drawing teacher or the Digital Photography/Graphic Design Teacher and Teacher Approval from the designated AP 2D teacher.
This is a program administered by the College Board to provide highly motivated high school students an opportunity to earn college credit. This is a fast paced, 1 year portfolio class geared towards students wanting to submit Photography, Graphic design or Illustration portfolios. Both sections of the AP studio portfolio will be created during this 1 year program, culminating in a total of 24 high quality artwork submissions. Students will be able to use digital tools as well as wet and dry media in this portfolio. Students will develop mastery in concept, composition and execution. Students will be required to submit their AP Portfolio to the College Board at the completion of this 1 year program.
Note: A student may not take both ART 2D Drawing and Painting Portfolio (Year 2) and this course, Art AP 2D Design. A student may only earn 2 total credits in AP Art 2D.

ART AP 3D DESIGN PORTFOLIO
Credit: 1
Prerequisite: Teacher Approval
This is a program administered by the College Board to provide highly motivated high school students an opportunity to earn college credit. The course is the second year of the portfolio, unless permission granted from instructor, with a focus on the concentration portion of the portfolio. AP Studio Art: 3D Design, students will create a portfolio of work exploring three dimensional design using ceramics, sculpture and mixed media. Students will develop mastery in concept, composition and execution. Students will focus on the concentration section of the portfolio, exhibiting an in depth exploration of one idea and area of study, techniques and approaches to problem-solving in design. Students will submit the portfolio in May of the AP year. All work for the portfolio will be photographed and submitted digitally through the AP Central Website. As a class we will explore the tools and information provided by the College Board throughout the course.

DIGITAL PHOTOGRAPHY 1 (ART 2 - PHOTOGRAPHY)
Credit: 1
Prerequisite: Art 1
Students in Photography will use their creative design foundation skills to explore digital camera operations, techniques, and applications of acquiring, manipulating and outputting digitized photographic images utilizing the Adobe Photoshop program.
NOTE: This course requires a $50 fee

DIGITAL PHOTOGRAPHY 2 (ART 3 – PHOTOGRAPHY)
Credit: 1
Prerequisite: Digital Photography 1
Students in Photography II will use their knowledge they acquired in Photography I to further develop their skills to explore digital camera operations, techniques, and applications of acquiring, manipulating and outputting digitized photographic images utilizing the Adobe Photoshop program. A Photography Portfolio will be produced.

ART HISTORY AP
Credit: 1
Prerequisite: Teacher Approval
This course is designed to offer the same benefits to secondary school students as those provided by an introductory level college course in Art History. Students will gain an understanding of architecture, sculpture, painting, and other art forms with diverse historical and cultural contexts.

FINE ARTS

MUSIC 1-2, APPLIED
Credit: 1
Prerequisite: Teacher Approval
Applied Music courses offer students an opportunity to receive small group or private instruction designed to develop and refine performance skills. A variety of music methods and repertoire is utilized to refine students' abilities in learning, performing, creating, and responding to music.

MUSIC AND MEDIA COMMUNICATIONS 1
Credit: 1
Music and Media Communications I (MMC I) is designed to provide access to rigorous and relevant instruction in music and media-based skills to those students entering high school who may not have an extensive background in music (or possibly little elective music study beyond Grade 5). The class will provide access to instruction in fundamental music skills and knowledge. Students will explore and discover their own connections to music and their musicality using technology and media-based resources for listening, recording, sharing, composing, and making music. Students will analyze the presence of music in contemporary contexts and be introduced to skills and knowledge required for some music-related technical professions and components of media production.

MUSIC THEORY AP
Credit: 1
Prerequisite: Must be in band, choir or orchestra
The Music Theory AP course will develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. The student will also be confident to take the Music Theory AP Advanced Placement test at the end of the year. This is a college level course.
NOTE: This course requires a $50 fee.

THEATRE AND MEDIA COMMUNICATIONS 1
Credit: 1
Theatre and Media Communications I provides students with a rigorous and relevant experiential study of Theatre along with video and audio design. Creation and analysis of student performances will be balanced with explorations into contemporary practices in digital media. Students will learn how to bridge traditional stagecraft with current technology applications to create new media such as animations, digital images, multimedia presentation, digital video, websites, and interactive performances. Furthermore, student work will culminate in a capstone project that investigates an issue relevant to the student and uses a digital stage to address a problem within the community or to effect a change. This project will afford students an opportunity to learn and practice creative research skills, develop a narrative, engage an audience, and connect an online community to their project?

BAND

Band courses focus on the study of wind instruments, basic and advanced music theory, sight-reading skills, marching, concert, ensemble, and solo skills. Students perform at athletic events, pep rallies, community functions, productions, contests, and travel. Students are required to attend rehearsals before and/or after school.
Students will earn 0.5 credit for the PE requirement for the fall semester each of their first two years of participation in marching band.
NOTE: This course is double blocked.

BAND 1-4
Credit: 1
Prerequisite: Membership in middle school band or approval of Director
Band courses focus on the study of wind and percussion instruments, basic and advanced music theory, sight-reading, and solo ensemble skills. All band members participate in Cavalier Marching Band and are assigned to an ability grouped concert band. Band members perform in a variety of ensemble settings at concerts, school functions, community events, athletic events and competitions. Travel is a regular function of band participation. Students are required to attend selected rehearsals before or after school. **NOTE: Students will earn 0.5 credit for PE in the fall semester of the first two years of Marching Band.**

COLOR GUARD 1-4
Credit: 1.0
Prerequisite: Spring Audition
Color Guard functions as the visual element of the Cavalier Marching Band in the fall semester and as a competition team in the spring semester. Students in this class travel and perform with the LTHS Cavalier Marching Band and as a separate competition team. Students employ a variety of dance and movement techniques as well as equipment in performance.

NOTE: Students will earn 0.5 credit for PE in the fall semester of the first two years of participation in Color Guard.

JAZZ ENSEMBLE
Credit: 1
Prerequisite: Membership in Cavalier Band or LTHS Orchestra, audition
Jazz Ensemble I is a performance based class that focuses on the various genres of Jazz from Big Band to Contemporary. Students will also learn music theory and musical improvisation. Intermediate to advanced music reading skills are required. Jazz I perform at concerts, contests and community functions.

CHOIR

Students perform at community events and functions, productions, contests, and travel. Students are required to attend rehearsals before and/or after school. Choir courses focus on the study of basic and advanced music theory, choral literature, music reading skills, sight-reading skills, choir, ensemble, and solo skills.

NON-VARSITY WOMEN'S CHORUS 1-4
Credit: 1
This course is designed for female choral students of a beginning to intermediate level. Students will further their musical ability through sight-singing, written assignments, and performing treble choral repertoire of a beginner to intermediate level. Students will perform 4 evening concerts throughout the school year with other possible community activities.

VARSITY WOMEN'S CHORUS 1-4
Credit: 1
Prerequisite: Audition and Director Approval
This course is designed for female choral students of an advanced level. Students will perform 3 and 4 part advanced women's choral repertoire. Students will work on musicality and overall presentation of concert pieces by using the techniques of sight-singing and written assignments. Students will be required to perform 4 evening concerts as well as numerous community activities and TMEA and UIL sponsored contests.

NON -VARSITY MEN'S CHORUS 1-4
Credit: 1
This course is designed for male choral students of a beginning to intermediate level. Students will further their musical ability through sight-singing, written assignments and performing male choral repertoire of a beginner to intermediate level. Students will perform 4 evening concerts throughout the school year with other possible community activities.

VARSITY SHOW CHOIR 1-4
Credit: 1
Prerequisite: Audition and Director Approval
Show Choir is an advanced performing choir for female students who have exceptional ability in vocal music and moderate dance experience. This course emphasizes a combination of singing, dancing, and performing skills. Membership is by audition only.

VARSITY MIXED CHORUS 1-4
Credit: 1
Prerequisite: Audition and Director Approval
This course is designed for experienced male and female choral students who are highly motivated. Students will study and perform advanced mixed choral literature while working on vocal technique, ensemble technique, musicianship, and sight-singing skills. Students will participate in group and individual contests throughout the year including TMEA auditions and UIL activities, various community events, and campus concerts. Students are strongly encouraged to participate in the LTISD Private Lesson Program.

ORCHESTRA

At least 2 years of intermediate study with group or individual instruction in violin, cello, viola, or bass is required to take Orchestra 1. Orchestra courses focus on the study of string instruments, basic and advanced music theory, sight-reading skills, concert, ensemble, chamber, and solo skills. Students perform at community events and functions, productions, contests, and travel. Students are required to attend rehearsals before and/or after school.

ORCHESTRA 1-4 CHAMBER
Credit: 1
Prerequisite: Approval of Director
Students must audition for the director to perform in this group. The Lake Travis
Chamber Orchestra is composed of students who have had prior string experience. This course furthers students' knowledge on string instruments with emphasis on technique, music history, theory, and ensemble performing. Creativity and self-expression are nurtured. More advanced music is played than in Concert or Symphony Orchestra. This class offers students opportunities for solo work, improvisation, and explore different genres of music. Students are required to perform at four concerts during the school year. Students are also required to participate in UIL Solo and Ensemble, graduation ceremony, UIL Full and String Orchestra Contest, Region Orchestra and All-State Orchestra, if eligible.

ORCHESTRA 1-4 CONCERT
Credit: 1
Prerequisite: Approval of Director
Concert Orchestra is composed of students who have had prior string experience. The focus for the Concert Orchestra is on mastering advanced playing skills (e.g. shifting, vibrato, and various bow strokes). Students will become independent readers and improve their musicianship skills in counting, pitch recognition, and sight-reading. All students are taught and tested on fundamentals of basic music theory. The experience of teamwork and following the conductor is also a continuing part of the student's education. Students are required to perform at four concerts during the school year.

ORCHESTRA 1-4 SYMPHONY
Credit: 1
Prerequisite: Approval of Director
Students must audition for the director to perform in this group. The Lake Travis Symphony Orchestra is composed of students who have had prior string experience. This course furthers students' knowledge on string instruments with emphasis on technique, music history, theory, and ensemble performing. Creativity and self-expression are nurtured. More advanced music is played than in Concert Orchestra. This class offers students opportunities for solo work, improvisation, and exploring different genres of music. Students are required to perform at four concerts during the school year. Students are strongly encouraged to participate in Region Orchestra and All-State Orchestra, if eligible.

THEATRE

Entry into Theatre art requires students to participate in productions, and requires some after school rehearsal if a student is selected and accepts a position in a production. Materials and selections may be of mature nature

THEATRE ARTS 1
Credit: 1
This Theatre course is designed for the beginning actor. The course will introduce the new Theatre student to the exciting world of Theatre. Topics of study will include expressive use of body and voice through drama games and warm-ups, basic acting techniques, script analysis, intro to Theatre history, stage terminology, the production process, technical elements and crew work, as well as beginning performance opportunities. **Theatre 1 students will be required to attend school play performances.**

THEATRE ARTS 2-4
Credit: 1
Prerequisite: Theatre Arts 1
Theatre 2-4 is an advanced level course in which the actor will continue to develop acting techniques, interpret theatrical texts, utilize the voice and body expressively, explore technical Theatre, and practice evaluation and reflection. Students will be given the opportunity to be involved in performance pieces in the fall and spring, but will be required to attend very few after school rehearsals. In addition, the course will include accents/dialects, Shakespeare, Theatre History, directing and playwriting. All elements of production work will be incorporated including make-up, props, costumes, sound, lighting, publicity and set design. The course is designed for the acting student interested in serious and challenging production work. **Theatre 2 – 4 students will be required to attend school play performances or be involved in them.**

ADVANCED THEATRE PRODUCTION 1, 2, 3
Credit: 1
Prerequisite: Theatre Arts 2 and Instructor Approval by Audition
This top level course is created for the dedicated and professional acting student. The course will involve production work which include after school hours. The majority of the coursework revolves around numerous performance opportunities. Students are expected to commit time and effort to the success of these productions. Opportunities to explore musical Theatre, One-Acts, Shakespearean plays, student directing, classical selections as well as Children's Theatre will be provided at this level. This course is designed for the focused Theatre student interested in full involvement in the program. Students in this course will be required to audition for all main stage school plays.

TECHNICAL THEATRE 1
Credit: 1
This is an introductory course dealing with various backstage aspects of the Theatre. In addition to classroom learning, this course strives to expose students to "hands-on" experiences in theatrical production. Topics include: Theatrical facilities, tools, scenery construction, stage rigging, lighting, principles of design, production evaluation and technical Theatre career opportunities. Additionally, there are a number of projects that supplement daily lessons. Students are provided an opportunity to participate in after-hours production work.

TECHNICAL THEATRE 2
Credit: 1
Prerequisite: Technical Theatre 1 and Instructor Approval
Expanding on the concepts taught in Technical Theatre I, this course examines the application of technologies used in live productions. Major foci of this class are sound, lighting, stagecraft, advanced rigging and stage management. To apply the concepts taught, after school involvement in productions and other after school events is required**. NOTE: Students are required to work after school.**

TECHNICAL THEATRE 3-4
Credit: 1
Prerequisite: Technical Theatre 2 and Instructor Approval
Deepening students' understanding of concepts taught in Technical Theatre 2, this course asks students to make informed choices in the process of creating live productions. This course requires a great deal of motivation as classroom discussions and projects are often student-led. Major areas of study for this class are sound, lighting, stagecraft, rigging, design, and production management. As students move through this two year-sequence, success is measured in the ability to synthesize and adapt knowledge to solve ever larger production problems, typically through increased responsibility for production leadership. To apply the concepts taught, extensive after school involvement in productions and other after school events is required**. NOTE: Students are required to work after school. Technical Theatre 3 satisfies the required Technology graduation credit requirement.**

DANCE

Dance courses focus on the various characteristics and movements of dance techniques. Students will increase their understanding of the four basic strands of dance: Foundations-perception, creative expression-the artistic process, creative expression - performance, historical and cultural relevance, and critical evaluation & response. Dance one will be a prep course for dance 2-4. Students in Dance 2-4 are required to participate in a dance concert in the spring semester and it is optional for Dance 1 students. **NOTE: There is a fee associated with this class since dance attire must be worn in each of the dance classes.**

DANCE 2 & 3
Credit: 1
Prerequisite: Teacher approval only, audition based
This course is designed for intermediate level students. Audition and placement will be decided by dance department staff. Students will learn advanced level physical and academic elements of Ballet, Modern, Jazz, Musical Theatre, Hip Hop, Precision Dance, Cultural Dance, and Performance Studies. Students will perform at the spring concert, and participate in upper-level student choreographic works show. Mandatory dance attire and equipment is required for class, as designated by instructor.

DANCE 4
Credit: 1
Prerequisite: Teacher approval only, audition based
This course is designed for advanced level students only. Audition and placement will be decided by dance department staff. Students will learn advanced level physical and academic elements of Ballet, Modern, Jazz, Tap, Musical Theatre, Hip Hop, Precision Dance, Cultural Dance, and Performance Studies. Students will perform at the spring concert, and participate in upper-level student choreographic works show. Mandatory dance attire and equipment is required for class, as designated by instructor.

JV RED RUBY DANCE TEAM 1-4
Credit: 1
Prerequisite: Audition
JV Dance Team is designed for students who are interested in auditioning for the LTHS Dance Team, the Cavalettes. Students will be required to attend after school rehearsals, public performances, contests, and travel. Students will learn precision and drill based dance skills that are essential for drill team tryouts held in the spring. Students will perform in school-related/community performances. **NOTE: Mandatory dance attire and equipment is required for class, as designated by instructor.**

CAVALETTES DANCE TEAM 2-4
Credit: 1
Prerequisite: Audition
Dance team requires before and after school rehearsals, public performances, contests, and travel. Performances include: athletic events, pep rallies, community events, productions, and competitions.
NOTE: This course is double blocked. Students will earn 0.5 credit for PE in the fall semester of the first two years of participation in Cavalettes. Mandatory expenses incur.

WORLD DANCE
Credit: 1
Come and learn about dance styles from across the world. This course will specifically address cultural dances. Student will also have the opportunity to research culture and performance opportunities. All gender are welcome to participate.

ATHLETIC TRAINING 1
Credit: 1
Prerequisite: Must be approved by the Athletic Trainer
In this course students will assist the Athletic Trainer in the prevention, rehabilitation and care of athletic injuries. Students will be required to attend events outside of the school day. Also students will be required to cover workouts before school starts in August and during school holidays. **Trainer 1 is required to take the Sports Medicine class concurrently under General Electives.**

ATHLETIC TRAINING 2 -4
Credit: 1
Prerequisite: Must be approved by the Athletic Trainer
The course is designed for the athletic training students. It provides an in-depth study and application of the components of sports medicine including but not limited to: basic rehabilitative techniques; therapeutic modalities; wound care, taping and bandaging techniques; prevention, recognition and care of musculoskeletal injuries; injuries to the young athletes; drugs in sports; and modern issues in sports medicine.

PE – FOUNDATIONS OF PERSONAL FITNESS
Credit: 1
Foundations of Personal Fitness represents a new approach in physical education and the concept of personal fitness. The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. The knowledge and skills taught in this course include teaching students about personal fitness programs, stress management, fitness games, nutrition, and weight training. A variety of cardiovascular fitness activities will be implemented to encourage each student to work within their Target Heart Rate Zone. Weight lifting and flexibility exercises are included in this course. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives-students designing their own personal workout plan.

PE – INDIVIDUAL SPORTS
Credit: 1
This course is for the development and maintenance of the human body. Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. Introduces the rules, skills and strategy of sports such as frisbee, tennis, golf, tracking & field, kickboxing, bocce, badminton and hiking. Tournament play is emphasized during this course. Development of skill for the use in lifetime individual sports and activities will be conducive for healthful living. Students are required to wear clothing appropriate for physical activity.

PE – TEAM SPORTS
Credit: 1
This course is for the development and maintenance of the human body. Development of skill for the use in lifetime team sports and activities will be conducive for healthful living. Team sports may include but are not limited to: basketball, volleyball, softball, flag football, team handball, kickball, ultimate Frisbee, and recreational activities. Students are required to wear clothing appropriate for physical activity.

PE – WEIGHT TRAINING & CONDITIONING
Credit: 1
Prerequisite: Basic knowledge and prior experience / interest in weight training and conditioning. Student should understand that this class will be primarily spent learning about and participating in weight training and conditioning activities.
The purpose of this class is to provide students with the opportunity to improve personal fitness through weight training and conditioning. Throughout the course, the major objectives are to develop physical skills, stamina, a healthy body, and interest in a physical activity that can be done throughout one's lifetime.

PE – AEROBIC ACTIVITIES/DANCE 1 – DANCE AEROBICS
Credit: 1
This course focuses on students developing an individual fitness program based on competency in aerobic activity, development of motor skills, healthy lifestyles, and social development. . Activities will include dance aerobics, step aerobics, jogging, and power walking. The classroom segment involves notes, tests, computer labs, and group projects concerning the physical well-being of the individual. Students are required to wear tennis shoes, workout pants, a work out top, and sports bra.
Students in this class who plan to audition for a LTHS dance team, should let the dance teacher know of these plans.
NOTE: There is fee of approximately $33- $57 for this course. Students will earn 1.0 credit for PE for taking Dance Aerobics.

*** Students will earn 0.5 credit for PE in the fall semester of the first two years of participation in Cavalettes, Marching Band, and Color Guard.**
***Off Campus Physical Education (OCPE) Waivers 1 and 2 for PE Credit can be found at http://ltisdschools.org/Page/562**

CHEER

CHEERLEADING 1-4
Credit: 1
Prerequisite: Spring Audition
Cheerleading includes activities to develop the overall strength and skills in the development of motions, jumps, tumbling, stunt, and dance techniques. Students will participate as spirit leaders at athletic events, pep rallies and community functions.

ATHLETICS

- All athletic courses include activities to develop the overall strength, speed, and skill of students. Students must pass a physical examination administered by a medical doctor and must turn a paper copy of that completed physical and medical history form into the athletic training department to be kept on file. Students must also submit additional required paperwork, signed by a parent or legal guardian and adhere to the guidelines set by the Athletic Director before being allowed to participate in any athletic practice before, during or after school.
- Entry into any athletic course is based upon a student's individual performance ability and upon the approval of the Head Coach and/or Athletic Director. Students are required to purchase specific practice gear as determined by the Head Coach. To obtain more information regarding any Athletic program at LTHS, please contact the Athletic Director's office at 512.533.6058.
- Up to four credits in athletics can count toward graduation.

Double Blocked Courses

MEN'S BASEBALL 1-4
Credit: 1

MEN'S & WOMEN'S BASKETBALL 1-4
Credit: 1

MEN'S & WOMEN'S CROSS COUNTRY 1-4
Credit: 0.5

MEN'S FOOTBALL 1-4
Credit: 1

MEN'S & WOMEN'S GOLF 1-4
Credit: 1

MEN'S & WOMEN'S SOCCER 1-4
Credit: 1

WOMEN'S SOFTBALL 1-4
Credit: 1

MEN'S & WOMEN'S SWIMMING 1-4
Credit: 1

MEN'S & WOMEN'S VARSITY TENNIS 1-4
Credit: 1

MEN'S & WOMEN'S TRACK 1-4
Credit: 0.5

WOMEN'S VOLLEYBALL 1-4
Credit: 1

MEN'S & WOMEN'S WRESTLING 1-4
Credit: 1

Single Blocked
MEN'S & WOMEN'S VARSITY RED TEAM & JV TENNIS 1-4

PATH COLLEGE CAREER 1: HIGH SCHOOL TRANSITION
Credit: 2
RECOMMENDED for all 9th Graders (Students co-enrolled and receive 1 credit in Business Information Management)
The *Path College Career Prep* courses advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. Path courses focus on developing the habits and skills that are expected in college study and the workforce.The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals.

DATA, MODELING, AND INFERENCE (Statistics) OnRamps
Credit: 1
Grade Placement: 11–12
OnRamps Statistics is a dual-enrollment data analysis course to develop the quantitative reasoning skills and habits of mind necessary to succeed in the higher education environment. This course will target conceptual understanding and hone highly relevant mathematical skills through scaffolded introduction to statistical methodologies, informal game play, and strategic lab exercises that engage students in hands-on analysis of real data. Valuable programming and coding skills are acquired a s a means to conducting these analyses, giving students a solid foundation in data science. Team-based problem solving is highly valued, and assessments will guide students through self-reflective analyses of their own preparedness and depth of understanding. **There is a fee associated with this course.**

COURT SYSTEMS AND PRACTICES
Credit: 1
Grade Placement: 10–12
Court Systems and Practices is an overview of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and Interrogations. This course will provide students with practical legal application opportunities through motion practice, brief writing, oral arguments, moot court and mock trials.

PRINCIPLES OF CYBERSECURITY Honors
Credit: 1
Grade Placement: 10–12
This course develops the knowledge and skills needed to master fundamental concepts of cybersecurity. Students in the course will develop a basic foundation for continuing their cybersecurity education and choosing a career in the cybersecurity field. Students will explore the challenges facing information security professionals related to ethics, system **security**, **network** security and application security. Students will conduct **risk** assessments and **develop** and implement security **policies** to mitigate those **risks**. Students will examine trends in cyberattacks, common vulnerabilities and the emergence of cyber terrorism.

SCIENCE RESEARCH AND DESIGN (S.T.E.M.) Honors
Credit: 1
Prerequisite: PreAP Biology and Chemistry
This course combines open inquiry research, whether you are interested in Biology, coding, or psychology, etc. In this unique course you will learn how to research and design investigations while participating in district science fair with the ability to move on to the Austin Energy Science Festival and the Texas Science and engineering Fair. *Some upper-level math involved.

LIFETIME NUTRITION AND WELLNESS
Credit: 1
Grade Placement: 10–12
Lifetime Nutrition and Wellness stresses the importance of healthful eating, mindfulness and physical activity. This class will explore how decisions affect wellness at the various stages of the life cycle. The curriculum will be based on three keystone pillars being movement, nourishment and mindfulness. Students will learn the physiology of how movement positively affects the health of every major body system. Students will explore food, how it relates to the human body, diseases, growing, cooking and preparing. The study of physiology of stress and how stress, anxiety and depression affects the health of the entire body as well as relationships with others.

ENGLISH 4: LITERARY CRITICISM 19TH CENTURY BRITISH LITERATURE HONORS
Credit: .5
Taught Fall Semester
Students will read and analyze several major literary works including plays, novels, short stories and poetry. Students will explore the importance of the time period, the culture and the biographical information of the authors studied.

ENGLISH 4: LITERARY CRITICISM 20TH CENTURY BRITISH LITERATURE HONORS
Credit: .5
Taught Spring Semester
Students will read and analyze several major literary works including plays, novels, short stories and poetry. Students will explore the importance of the time period, the culture and the biographical information of the authors studied.

WORLD DANCE
Credit: 1
Come and learn about dance styles from across the world. This course will specifically **address cultural dances. Student will also have the** opportunity **to research culture and performance opportunities. All gender are welcome to participate.**