

2016-2017 COURSE GUIDE



Forest Hills
School District

ENGAGE • EMPOWER • EXCEL



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All new courses are pending board approval.

ABBREVIATIONS USED IN COURSE LISTING

AP	Advanced Placement
CP	College Preparatory Class
H	Honors Class
Pre-AP	Pre-Advanced Placement
TR	Teacher Recommendation
N	Non-leveled Class
CC+	College Credit Plus

PLANNING YOUR PROGRAM OF STUDY

The courses listed in this handbook will help prepare students for the future. Students should read this publication carefully and develop a high school program that will help them reach their occupational, educational and personal goals. When scheduling classes for next year, students should complete the following steps:

- Review all graduation requirements
- Keep immediate and long-range goals in mind
- Select courses that fit your college and career goals

STUDENT RESPONSIBILITIES

It is the student’s responsibility to be familiar with the scheduling policies and procedures contained in this guide and to see that all graduation and award requirements are met.

POLICIES AND PROCEDURES

GRADUATION REQUIREMENTS CLASS OF 2017

Students from the class of 2017 must earn 22 credits and pass a state mandated graduation test (OGT) in order to receive a high school diploma. The test will measure student achievement in reading, writing, mathematics, social studies and science. Students will have additional opportunities during their 11th and 12th grade years to take and pass the test if necessary.

GRADUATION REQUIREMENTS CLASS OF 2018 AND BEYOND

Students must earn 22 credits and meet **ONE** of the following three requirements to graduate from the Forest Hills School District:

A. Students must earn a total of 18 points across all end-of-course state exams.

Students will take state-mandated **End-of-Course Exams** during their enrollment in the following courses:

English 9 **Math I** **American Government** **Biology**
English 10 **Math II** **US History**

To ensure that a student is well-rounded, the state requires that a student earn a minimum of 4 points in math, 4 points in English, and 6 points across science and social studies.

Students receive points based on their test performance levels which count toward the 18 points required for graduation. Fourteen (14) of those points must be reached by meeting the minimum point values required in the subject areas listed above.

Score	Points Assigned
Advanced	5 Points
Accelerated	4 Points
Proficient	3 Points
Basic	2 Points
Limited	1 Point

Note: Students enrolled in Biology or Life Science during the 2014-2015 school year, when a state assessment was not available, will automatically earn points that correspond with their year average in the course.

Life Science or Biology Year Average	A	B	C	D	F
Points	5	4	3	2	1

Note: If your student is not on track to graduate, you will be contacted by your student's counselor.

B. Earn a “remediation-free” score on a nationally recognized college admission exam such as ACT or SAT. The State Board of Education will be providing more information on this in upcoming months.

C. Earn a State Board of Education-approved, industry-recognized credential or a state-issued license for practice in a career and achieve a score that demonstrates workforce readiness and employability on a job skills assessment.

CREDITS FOR GRADUATION

Subject	Credits
English Language Arts Must be in English 9, 10, 11 and 12	4.0
Mathematics 3 of the 4 credits must be earned in grades 9-12, with Algebra II or Math III equivalent required.	4.0
Science Inquiry- based with lab experience Must include one (1) unit of Physical Science and one (1) unit of Biological Science	3.0
Social Studies 1 unit of Modern World History or AP Human Geography 1 unit of Modern U.S. History or AP U.S. History 0.5 unit of American Government 1 unit from two of the following: <i>Iconic Leaders</i> <i>Iconic Legends</i> <i>Ancient Civilization: The Pharaohs—Alexander the Great</i> <i>Ancient Civilization: Julius Caesar—Leonardo DaVinci</i> OR 1 unit of AP European History	3.5
Health	0.5
Physical Education Must include 0.25 unit of Physical Education *see page 19 for PE Waiver	0.5
Electives All students must receive instruction in economics and financial literacy during grades 9-12 and must complete at least two semesters of fine arts taken any time in grades 7-12. Students following a career-technical pathway are exempt from the fine arts requirement. <i>The Ohio Core Requirement for Financial Literacy may be earned through successful completion of any one of the following courses: Career and Life Planning, Economics, Personal Finance, Marketing I, Marketing Principles, Introduction to Business, Business Management I, College and Career Readiness: Charting your Course for the Future or AP Macroeconomics.</i> Remaining elective units must include any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology (including computer science), or English language arts, mathematics, science or social studies courses not otherwise required.	6.5
Total	22.0

GRADE LEVEL PLACEMENT

The following minimum number of credits is used in determining the grade level of each student:

Grade Level	Minimum Credits
Grade 10	5
Grade 11	11
Grade 12	16

GREAT OAKS CAREER CAMPUSES REQUIREMENTS

Students attending one of the Great Oaks Career Campuses must meet the Forest Hills School District graduation requirements. This includes passing the OGT (Class of 2017) or meeting the requirements of at least one (1) of the three (3) pathways established by the state of Ohio for the Class of 2018 and beyond.

Great Oaks students should earn the following credits **prior** to the 11th grade: two (2) units in English, two (2) in mathematics, two (2) in science, two (2) in social studies, and one (1) in health/PE. Students who are deficient in these required areas should make up the deficiency in an approved summer school, night school, correspondence program or online program.

COLLEGE PREPARATORY COURSE OF STUDY

Students who plan on attending a four-year college or university should complete at a minimum, an Algebra II/Math III class, two consecutive years of World Language and one elective in the Fine Arts.

These courses must be taken if the student is to be unconditionally accepted by a state university in Ohio. Students who do not take these courses may be accepted on the condition that the deficient course work will be made up in college.

DIPLOMA WITH HONORS

Honors diploma requirements differ slightly, depending on whether a student is completing a college preparatory or career technical education curriculum. The student must meet the requirements for the regular diploma plus criteria for honors. The criteria for Diploma with Honors are available on the Ohio Department of Education website at education.ohio.gov. Search for the key word phrase "Diploma with Honors".

LEVELS IN ACADEMIC CLASSES

A limited number of academic classes are leveled in the Forest Hills School District. We strive to place students with similar achievement, interest and ability in the same class. Students and parents who disagree with the recommended course may request a waiver.

Advanced Placement (AP): Advanced level courses are taught on the college level. Students in AP classes will be expected to take the Advanced Placement Examination in May.

Honors/Pre-AP (H): Honors level courses are taught at a faster pace and topics are studied in greater depth. Content may be equivalent to college-level work.

College Preparatory (CP): College preparatory level courses are designed for the student wishing to acquire a strong background for college entrance.

Non-Leveled (N): Academic courses that provide on-grade level instruction aligned with Ohio's Learning Standards.

COMMENCEMENT

Students must meet all credit requirements established by the Forest Hills Board of Education and the state of Ohio in order to participate in Commencement.

Students who do not meet these requirements, regardless of the reason, will not be allowed to participate in the Commencement program held at the end of the school year.

School personnel work throughout the school year with students who might not graduate on time because of credit deficiencies. Parents or guardians are also contacted at regular intervals if the chance exists that their child will not graduate on time. **However, it remains the primary responsibility of the student to make sure all graduation requirements are met and to notify his/her parents or guardians if an academic problem exists which may impede Commencement participation.**

Seniors who withdraw from school during the second semester of their senior year and finish their graduation requirements through correspondence or night school are not eligible to participate in the Commencement ceremony.

EARLY GRADUATION

Students who are interested in graduating in less than the normal four years of regular school attendance shall file a written request with the principal. If a student desires to graduate at the end of the first semester of the senior year, the principal should receive a written request before the end of the second semester of the student's junior year.

Students who wish to graduate in three years should make a written request no later than the end of their sophomore year. The principal reserves the right to waive these deadlines if circumstances warrant.

A student who graduates early will receive his/her diploma after Commencement. A copy of the complete board policy about graduation and Commencement is available on the Forest Hills School District webpage under "Board Docs." Please choose policy number 5460.

GRADE POINT AVERAGE AND CLASS RANK

Semester grades in all courses earning letter grades are used to determine a student's grade point average (GPA), the basis of class rank. Class rank is determined at the conclusion of each semester by using GPA and ranking students numerically. The following scale is used to determine a student's grade point average:

A+	97-100%	4.0
A	93-96%	4.0
A-	90-92%	3.7
B+	87-89%	3.3
B	83-86%	3.0
B-	80-82%	2.7
C+	77-79%	2.3
C	73-76%	2.0
C-	70-72%	1.7
D+	67-69%	1.3
D	65-66%	1.0
F	0-64%	0.0

Students who enroll in a weighted class and earn a grade of C- or higher will have 0.025 or 0.0125, depending on the course, added to their grade point average each semester.

The grades and class rank of students who are new to the Forest Hills School District will be converted to this system. Only those classes weighted at Forest Hills School District will be weighted in determining the student's GPA.

WEIGHTED COURSE POLICY

Grades earned in the following classes are weighted (0.025 added each semester to the grade point average of students who earn at least a grade of C-):

AP English: Literature and Composition	AP European History
AP English: Language and Composition	AP U.S. History
AP Computer Science	AP U.S. Government and Politics
AP Computer Science Principles	AP Macroeconomics
AP Calculus AB	AP Studio 3D Design
AP Calculus BC	AP Studio 2D Design
AP Statistics	AP Studio Drawing
AP Biology	AP Art History
AP Physics I	AP Psychology
AP Physics II	Engineering Your Future
AP Physics C	Engineering Models
AP Chemistry	Pre-Calculus
AP Music Theory	Anatomy and Physiology
AP Human Geography	

Courses earning 0.025 weight are represented through the course guide using the symbol **.

Note: College Credit Plus (CC+) courses taken on and off Forest Hills School District campuses are weighted as advanced standing.

Grades earned in the following classes are weighted (0.0125 added each semester to the grade point average of students who earn at least a grade of C-):

English 10 Pre-AP (H)	Wind Ensemble (H)
Chemistry (H)	Symphonic Orchestra (H)
Calculus (H)	AHS/THS Singers (H)
Math III (H)	Teaching and Learning Portfolio (H)
Advanced Mathematics (H)	Fourth Year World Language (H)
Percussion (H)	Fifth Year World Language (H)

Courses earning 0.0125 weight are represented throughout the course guide using the symbol *.

EDUCATIONAL OPTIONS: COLLEGE CREDIT PLUS AND CREDIT FLEXIBILITY

Students may now earn credits through College Credit Plus and Credit Flexibility as defined below.

A. COLLEGE CREDIT PLUS (CC+)

High school students have the option of participating in the College Credit Plus program which began in the 2015-2016 school year. College Credit Plus (CC+) is the new name for Ohio's dual enrollment program which allows students to take available courses for transcript credit for both high school and college. CC+ replaces PSEO (Post-Secondary Education Option) and redefines dual enrollment programs as advanced standing programs. There is no cost for the student to participate in CC+ when the student is enrolled in a public college or university.

Students must meet with a counselor to complete an [Intent to Participate form](#) and submit this to the building principal no later than April 1, 2016 in order to be considered for eligibility for the 2016-2017 school year. **This form should be used for all classes under the CC+ umbrella.** Interested students and parents should contact a school counselor for additional information.

Current high school courses which may be taken as CC+:

FHSD Course Name	FHSD Course Code	UC Course Name	UC Course Code	University Credit	High School Availability
Engineering Foundations **	3810	Engineering Foundations	ENED1020	2	AHS & THS
Engineering Models **	3820	Engineering Models	ENED1090	2	AHS & THS
Pre-Calculus **	2430	Pre-Calculus	MATH1026	5	AHS & THS
Biology for the Health Professions **	3720	Biology for the Health Professions	BIOL1051C	4	AHS & THS

COLLEGE CREDIT PLUS (CC+) continued

The following table is a **sample** credit bearing pathway provided to Forest Hills School District from the University of Cincinnati. These courses may be offered at any of the UC campuses including Main, Clermont, and Blue Ash. Students cannot take more than 30 credits in a given school year.

Liberal Arts (BA) 15 Credit Hour Pathway		
Course	Title	Credit
BIOL1081	Biology I	3
BIOL1081L	Biology I Lab	1
ECON1001	Intro to Microeconomics	3
ENGL1001	English Composition	3
HIST1001	U.S. History I	3
MATH1026	Pre-Calculus	5
Total Credit Hours		18

Liberal Arts (BA) 30 Credit Hour Pathway		
Course	Title	Credit
BIOL1081	Biology I	3
BIOL1081L	Biology I Lab	1
ECON1001	Intro to Microeconomics	3
ENGL1001	English Composition	3
HIST1001	U.S. History I	3
MATH1026	Pre-Calculus	5
POL1010	Intro to American Politics	3
SPAN2015	Spanish Comp and Conv I	3
SPAN2016	Spanish Comp and Conv II	3
Total Credit Hours		25

B. CREDIT FLEXIBILITY

Students may earn credit by pursuing one or more of the following educational options in accordance with the Forest Hills School District Credit Flexibility Program:

- Completing coursework
- Testing out of or demonstrating mastery of course content
- Pursuing one or more educational options (e.g., online/distance learning dual credit, educational travel, independent study, internships, music, arts, after-school programs, community service or other individualized projects)

Credit Flexibility is intended to motivate and increase student learning by allowing:

- Access to more learning resources, especially real-world experiences
- Customization around individual student needs
- Use of multiple measures of learning, especially those where students demonstrate what they know and can do, apply their learning or document performance

HIGH SCHOOL CREDITS FOR COURSES TAKEN IN EIGHTH GRADE

All students who successfully complete a world language course or Math I during the eighth grade year will receive one graded unit of high school credit in each course. The grade and the unit of credit will be included on the high school transcript and will be averaged into the grade point average.

Transfer students must provide verification that these courses were taken for high school credit and credit was given in the seventh or eighth grade at the original school.

SCHEDULE CHANGES

Selecting classes for the next school year is an important decision. Because schedule changes can have a significant effect on class size, the availability of staff, and the number of textbooks, students should plan carefully, realizing course requests will not be changed after June 3rd.

After June 3rd the only reasons a schedule will be altered are listed below:

- The school has made a scheduling error.
- A class needed to meet graduation requirements is not scheduled.
- A prerequisite has not been completed successfully.
- A student previously failed a subject with the same teacher (if space allows the change).
- A student wants to replace a study hall with an academic class. (The class must be added before the 10th day of the semester.)
- The teacher, counselor, parent and administrator agree the student has been placed in the wrong course.

Schedule changes will not be made based on preference for a teacher.

Schedule changes will not be made for a student who changes his/her mind.

*Note: After **20 days following the start of the course**, all classes approved by the principal to be dropped will receive a **WF** (withdraw failing) grade on the student's transcript.*

CHEATING OR PLAGIARIZING

Because student learning is the primary objective of the Forest Hills School District, the faculty and administration of Forest Hills School District regard academic dishonesty, cheating or plagiarism as serious breaches of ethical academic behavior. For more information regarding school rules and policies, please consult the student handbook or contact the administrative offices at either high school.

FAILURE TO COMPLETE COURSE REQUESTS

Courses for students who fail to enter their course requests online will be scheduled by the student's counselor. These selections are considered final unless the student requests a change prior to the June deadline.

REPEATING A FAILED SUBJECT

When a student repeats a subject previously failed, the grade earned upon repeating the class will become a part of the student's record as well as the original "F." Both grades will become part of the student's GPA.

CREDIT RECOVERY

Students who fail a course required for graduation will have several options for make-up credit including, but not limited to, the following:

- Retake the course during the regular school year.
- Enroll in the Forest Hills School District summer school program.
- Enlist an outside provider for an online, correspondence, or classroom course.

Outside provider courses must be approved by the building administration. Credit may not be accepted unless this is done. Students are not permitted to make up a course while currently taking the same course.

Expenses for summer school or an outside provider will be the responsibility of the student.

Seniors utilizing an outside provider must have completed the course(s) and submitted an official transcript to the school counselor by May 15th of the senior year in order to graduate on time with their class.

Online courses will require students to demonstrate mastery of the essential learning necessary for each course. In addition to earning a passing grade in the course, demonstrating mastery may also include extended writing assignments, exams, presentations, and/or other evidence of learning.

ATHLETIC ELIGIBILITY

In order to be eligible to participate in athletics in grades 9-12, a student must fulfill the following requirements:

- Be currently enrolled and must have been enrolled in school the immediately preceding grading period
- During the preceding grading period, have earned passing grades in a minimum of five 1.0 credit courses or the equivalent which count toward graduation. Physical education is only a 0.25 credit course, so it does not count enough towards the 5 credit requirement
- Have attained, during the preceding grading period, a 1.7 GPA or above

FALL SPORTS ELIGIBILITY

Eligibility to participate in fall sports is determined by grades earned in the 4th quarter grading period of the preceding school year. A student enrolled in grade 9 during the first grading period (after advancement from 8th grade) must have passed 75% of subjects carried the preceding grading period in which the student was enrolled and must have maintained a 1.7 GPA.

Note: The eligibility of a student continues until the start of the fifth school day of the next grading period, at which time the grades from the immediately preceding grading period become effective. The ineligibility of a student continues until 24 hours after the official grade posting date of the Forest Hills School District.

COURSE FEES

All course fees indicated in this publication are estimates. Additional fees may be assessed by the Board of Education. Parents/Guardians will be notified when fees are due.

AUDITING A COURSE

Students who have previously passed a course may take the course again (audit the course) for remediation, if the following conditions are met:

1. The student has the permission of the parents, teacher and counselor.
2. Class size permits the enrollment.
3. The student completes all assignments and behaves well.

Note: An audited course cannot be taken for credit and the grade will not be included in the grade point average. Both grades will appear on the transcript. However, only the original grade will be included in the grade point average.

COLLEGE ADMISSIONS

College admission is based on how well students perform in high school, class rank, GPA, courses taken and the scores earned on college admission tests, such as the SAT and ACT. Some schools also require SAT II.

Because colleges vary widely in their entrance requirements, students should refer to college catalogues, websites and their counselor for additional information. Students should do this early in their school career, especially if interested in a selective or private college.

Students planning to attend a college that follows a selective admissions policy should select the most challenging college preparatory curriculum possible. The more demanding the course work, the better chance students have for admission to the selective college of their choice. Students interested in a selective college should follow recommendations listed in the College Handbook, available in the Guidance Office. In addition, seniors should select a challenging 12th grade program.

An enriched academic course of study challenges the more intellectually capable and/or highly motivated student toward greater depth in program selection. An enriched academic course of study should include 4 credits of English, 4 credits of mathematics, 3 credits of science, 3.5 credits of social studies, 3 credits of one world language, 0.5 credit of health, 0.5 credit PE, 1 credit of a fine or performing art and 1.5 elective credits.

CLASS SIZE AND COURSE AVAILABILITY

Class size and staff availability have an impact on whether a course will be offered. School counselors and administration will make every effort to apprise students of any expected limitations on course availability. Classes in which enrollment is expected to be small may not be offered or may be offered at only one of the two Forest Hills School District high schools. Please be sure to contact your school counselor with any questions regarding your course requests for the 2016-2017 school year.

EXEMPTION TO THE PHYSICAL EDUCATION GRADUATION REQUIREMENT **(based upon Section 3313.603 of the Ohio Revised Code, Letter L)**

Beginning with the 2013-2014 school year, students in the Forest Hills School District in grades 9-12 who successfully complete two full seasons of interscholastic athletics, marching band or cheerleading may be excused from the high school physical education graduation requirement. The “two full seasons” requirement may be completed within a single school year.

According to Ohio Revised Code, boards of education may NOT provide for partial completion of the high school physical education requirement; therefore, the one-half unit requirement cannot be partially exempted. For example, it is not possible to combine one semester of a physical education course with successful completion of one athletic, marching band or cheerleading season to meet the physical education graduation requirement.

IMPACT ON OVERALL GRADUATION REQUIREMENTS

Those students excused from the high school physical education graduation requirement are required to complete one-half unit, consisting of at least 60 hours of instruction, in another course of study, as determined by the student.

Those students excused from the high school physical education graduation requirement are still required to meet all other graduation requirements established by the Forest Hills School District. **PE waivers are available in the counseling office [and online](#).**

SUCCESSFUL COMPLETION OF A SEASON

Successful completion of a season, in the case of interscholastic athletics, means that a student is both a member of the team or group and is eligible for end of season awards/recognition.

Formal starting dates for interscholastic athletics are determined by the OHSAA. Starting dates for marching band and cheerleading will be determined by the respective advisors; the starting date may be inclusive of mandatory camps.

RECOGNIZED ACTIVITIES

In addition to cheerleading and marching band, interscholastic athletic teams currently recognized by the Ohio High School Athletic Association in Forest Hills Schools include:

Baseball	Basketball	Bowling	Cheerleading	Cross Country
Dance	Diving	Football	Golf	Gymnastics
Lacrosse	Softball	Soccer	Swimming	Tennis
Track	Volleyball	Wrestling		

CAREER PATHWAYS

The Forest Hills School District is committed to assisting students in developing a high school experience that matches their individual interests, skills, and knowledge, while preparing them for next steps on their journey to future-readiness.

GOALS OF CAREER PATHWAYS:

1. To assist each student in determining high school courses based on interest and ability.
2. To provide a variety of course offerings that will prepare students for education/training beyond high school to meet individual career goals.
3. To produce students who excel in the following seven areas established as part of the Forest Hills School District's vision for student learning:
 - Critical Thinking and Problem Solving
 - Collaboration and Leadership
 - Agility and Adaptability
 - Initiative and Entrepreneurialism
 - Reading, Oral and Written Communication
 - Accessing and Analyzing Information
 - Curiosity and Imagination

Career pathways help students to personalize their educational plan and reach goals that extend beyond high school. A career path indicates a broad spectrum of careers that have similar characteristics and requirements for employment. The U.S. Department of Education has identified 16 career clusters designed to help students focus on career aspirations. Forest Hills School District career pathways take those 16 and combine them into four broad and flexible paths for academic instruction and student exploration. These are:



Health and Social Services



STEM (Science, Technology, Engineering and Math)



Arts, Humanities, and Communication



Business, Law, and Finance

Career pathways are not intended to lock a student into a career or a prescribed set of high school courses. They are, however, to serve as a guide when selecting courses and when working with counseling staff to develop a post-high school plan. Students should begin reviewing these pathways during their 8th grade year when selecting their high school freshman courses and should continue to use this guide as a resource when making scheduling choices during their high school career.

DESCRIPTION OF PATHWAYS

These descriptions offer students an opportunity to reflect on possible career pathways of interest. Students may have career interests that extended beyond the descriptions provided. The information below is not intended to be a thorough representation of career options but a general overview and exposure to generalized career areas.



HEALTH AND SOCIAL SERVICES

The Health and Social Services pathway includes a large and diverse group of careers that promote education, health, diagnosis, treatment, and wellness. Careers in this pathway have the potential to improve and save lives.

Sample Careers Include: education, counseling, mental health services, consumer services, personal care services, therapeutic services, diagnostic services, disease treatment services, public safety and protective services, fire protection services, health informatics and biotechnology research and development.



SCIENCE, TECHNOLOGY, ENGINEERING AND MATH

Careers in STEM are exciting, challenging, and ever-changing. STEM careers may involve designing, inventing, or building a wide variety of commodities. Learners who pursue one of these career fields may be involved in planning, managing, and providing scientific research or professional and technical services including laboratory, research and development services.

Sample Careers Include: scientific research and development, fuel cell technology and robotics, agricultural services, food processing, horticulture, natural resource management, environmental services, production planning and control, electrical engineering, maintenance engineering, manufacturing engineering, industrial engineering, transportation services, process engineering, information support services, communication network services, programming and software development/applications and interactive multi-media development.



ARTS, HUMANITIES AND COMMUNICATION

Careers in Arts, Humanities, and Communications tap into creative and expressive talents. This career pathway requires the ability to communicate effectively in both oral and written form and strong reading skills. In many ways, this pathway is about storytelling in various forms, capturing the human experience and reflecting it back to various audiences, helping others reflect upon the world around them, and inspiring others to make a difference.

Sample Careers Include: performing arts, visual arts, theatre arts, literary arts, media arts, education, journalism, television and radio broadcasting.



BUSINESS, FINANCE AND LAW

The Business, Finance, and Law pathway includes careers in planning, organizing, directing and evaluating functions essential to efficient and productive organizational operations, helping people and companies reach goals and achieve dreams. Learners with an interest in the Business, Finance, and Law pathway should develop a variety of skills including but not limited to strong interpersonal, presentational, and leadership skills.

Sample Careers Include: business management, administrative support, human resources, business administration, hospitality and tourism, marketing, information management, product/service management, financial advising, financial and investment planning, accounting, banking, insurance, real estate, financial planning, sales, public administration, public safety and protective services, homeland security, public planning, emergency management planning, fire protection, foreign services, and criminal justice system services.

SAMPLE STUDENT SCHEDULE

A CAREER PATHWAYS TEMPLATE

GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER		
9	English 9	Math I	Biology	Modern World History	World Language I		Health
							Physical Education
10	English 10	Math II	Physical Science	U.S. History	World Language II		Financial Literacy Elective
							0.25 Credits of PE
11	English 11	Math III	Chemistry	Ancient Civilization or Iconic Leaders & Legends			
12	English 12	Math Elective		Government			

Two Years of World Language are highly recommended for College Bound Students

REQUIRED COURSES
POSSIBLE ELECTIVE COURSES

Required Course: This sample schedule does not reflect all of the course options available to meet Forest Hills School District graduation requirements.

Elective Courses: The gray-shaded boxes represent the amount of space available for students to consider electives and leveled courses which connect to career pathways of interest.

BUSINESS

Code	Course	Level	Grade	Semesters	Credit	Career Pathways
6013	Personal Finance	N	9-12	1	0.5	
6213	Entrepreneurship	N	9-12	1	0.5	
6313	Business Computer Applications I	N	9-12	1	0.5	
6323	Business Computer Applications II	N	9-12	1	0.5	
6410	Business Management I	CP	11-12	2	1.0	
6420	Business Management II	CP	12	2	2.0	
6510	Accounting	CP	10-12	2	1.0	
6613	Business Law I	CP	10-12	1	0.5	
6623	Business Law II	CP	10-12	1	0.5	
6113	Introduction to Business	N	9-10	1	0.5	
6713	Marketing Principles	N	9-10	1	0.5	
6710	Marketing I	N	11-12	2	1.0	
6720	Marketing II	N	12	2	2.0	

PERSONAL FINANCE

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

This semester long course is designed to help students discover new ways to maximize their earning potential, develop strategies for managing their resources, explore skills for the wise use of credit, and gain insight into the different ways of investing money. **This course fulfills the financial literacy graduation requirement.**

ENTREPRENEURSHIP

Grade Level: 9-12
Course Credit: 0.5 credit, one semester

Description:

Entrepreneurship is a class designed to allow students to explore the exciting world of starting and owning a business. Students will discover real world business fundamentals covering economics, marketing, management, ownership, and distribution. The pitfalls and rewards of being an entrepreneur will also be explored.

BUSINESS COMPUTER APPLICATIONS I

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course will focus on basic word processing skill and applications including college formatting of reports, letters, memos, bibliography pages and tables. Students obtain fundamentals in this course; those who wish to gain a high proficiency should enroll in the Business Computer Application II course.

BUSINESS COMPUTER APPLICATIONS II

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester
Prerequisite: Business Computer Applications I

Description:

The emphasis of this course will be to build upon skills learned by incorporating a number of software applications such as spreadsheets, database, and presentation software.

BUSINESS MANAGEMENT I

Grade Level: 11
Course Credit: 1 credit, two semesters
Prerequisite: Students must apply and interview with the teacher prior to admission.

Description:

Business skill development will include communication skills, basic understanding of the accounting cycle and basic economics. Topics in Business Management practices will be introduced. Students will explore process and project management and its importance in managing resources, quality and information. Students will participate in the Future Business Leaders of America organization. Students will close the year with a Career Seminar to prepare for the Internship portion of Business Management II in the senior year. **This course fulfills the financial literacy graduation requirement.**

BUSINESS MANAGEMENT II

Grade Level: 12
Course Credit: 2 credits, two semesters
Prerequisite: Two semesters of business courses and teacher recommendation

Description:

Business skill development will continue in the senior year for students who completed basic economics topics in Business Management I as juniors. Topics covered in the Business Management I class will be continued at a more advanced level. Students will be exposed to management functions and decision making, technology and information management, financial analysis of a business, financial services, credit and human resources management. Students will also be working in internship positions 8-10 hours per week to reinforce the skills and knowledge they have acquired in the classroom. Students will work in a variety of business fields such as finance, management, information management, planning, promotion, pricing and purchasing.

The student has the option of early dismissal if all graduation requirements are met.

Students in this course will also be prepared to take the College Board CLEP exam for college credit in Business Management.

ACCOUNTING

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Two semesters of business courses and teacher recommendation

Description:

This year-long course is designed for students who plan to major in business and to develop an understanding of the accounting cycle. The course introduces basic accounting procedures, includes projects that use the complete accounting cycle and utilizes automated accounting. The student who completes two semesters of Accounting in high school will have a working knowledge of accounting terms and procedures and will be prepared for collegiate study of accounting.

Students in this course will also be prepared to take the College Board CLEP exam for college credit in Accounting.

BUSINESS LAW I

Grade Level: 10, 11, 12
Course Credit: 0.5 credit, one semester
Prerequisite: Two semesters of business courses and teacher recommendation

Description:

This is a semester course that is designed to help students develop an understanding of the legal system and how it relates and is used in the business environment. Students will study how the law affects their lives and its impact on business. Students will be able to prepare and analyze cases in different legal situations.

BUSINESS LAW II

Grade Level: 10, 11, 12
Course Credit: 0.5 credit, one semester
Prerequisite: Business Law I

Description:

The emphasis of this semester course is to build on the information learned in Business Law I. This course will help students understand the aspects involved in property and contract law. Students will identify the requirements for a valid contract and will analyze legal cases covering property and contract law. Students will be able to prepare and write briefs for cases in different business situations.

Students in this course will be prepared to take the College Board CLEP exam for college credit in Business Law.

Marketing Management and Research Program

The Marketing Management and Research program is designed to provide a solid foundation of business, finance and marketing knowledge for those students interested in majoring in college or pursuing a career in these fields. It will begin with Introduction to Business and Marketing Principles semester courses either the student's freshman or sophomore years. Marketing I will build on knowledge learned in these courses and provide greater focus developing marketing skills. Marketing II will provide students the opportunity to apply previous knowledge learned and further refine skills through various independent and team project management activities within the school and around the community. This course includes a Marketing Internship which offers students the opportunity to extend classroom learning through a variety of business and marketing-related internships.

DECA is a valuable component to the Marketing Management and Research Program. Students in this program will reinforce classroom skills through participation in business and marketing competitions, conferences, leadership challenges and opportunities. Students who are actively involved in DECA become eligible for many scholarships through participation and internship-related opportunities.

Completion of this program provides students the opportunity to earn 3-5 college credits upon successful completion of the Marketing CLEP exam at the end of senior year.

INTRODUCTION TO BUSINESS

Grade Level: 9, 10
Course Credit: 0.5 credit, one semester

Description:

Introduction to Business is a one semester course that introduces students to the career fields of Business & Administrative Services, Finance and Marketing. Students will learn skills in fundamental business activities. They will acquire knowledge of business processes, economics and business relationships. Students will use technology to apply and share business information. Employability skills, leadership, communications and personal financial literacy will be addressed. Students are eligible to participate in DECA, a student organization that provides self-growth and leadership opportunities through competitive events, leadership development and conferences at the local, state and national levels. **This course fulfills the financial literacy graduation requirement.**

MARKETING PRINCIPLES

Grade Level: 9-10
Course Credit: 0.5 credit, one semester

This course will be held at Anderson High School.

Description:

The second course in the Marketing Management & Research series, this one semester course introduces students to the specializations offered in Marketing. Students will obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and law, economic principles and international business. Technology, leadership and communications will be incorporated in classroom activities. Students are eligible to participate in DECA, a student organization that provides self-growth and leadership opportunities through competitive events, leadership development and conferences at the local, state and national levels. **This course fulfills the financial literacy graduation requirement.**

MARKETING I

Grade Level: 11
Course Credit: 1 credit, two semesters
Prerequisite: Students must apply and interview with teacher prior to admission

This course will be held at Anderson High School.

Description:

Marketing I is a designed to develop skills in the area of promotional strategy, advertising, sales promotion and publicity/public relations. Applying project management techniques, students will guide and control promotional campaign development and execution. Students will also learn motivation theories, branding techniques and design principles in communications with targeted audiences to influence. Students will create, execute and evaluate promotional strategies and content for advertising, sales promotion and publicity/public relations. Technology, employability skills, leadership and communications will be incorporated in classroom activities. All students will participate in DECA, a student organization, which provides self-growth and leadership opportunities through competitive events, leadership development and conferences at the local, state and national levels. **This course fulfills the financial literacy graduation requirements.**

MARKETING II

Grade Level:	12
Course Credit:	2 credit, two semesters
Prerequisite:	Successful completion of Marketing I and teacher recommendation

This course will be held at Anderson High School.





Description:

A continuation of Marketing I, students will apply management and motivation theories to plan, organize and direct staff utilizing project-based learning. They will learn to manage a workforce, lead change and build relationships with employees and customers. Students will use technology to analyze the internal and external business environment, determine trends impacting business and examine risks threatening organizational success. Ethical challenges, project management and strategic planning will also be addressed. All students will participate in DECA, a student organization, which provides self-growth and leadership opportunities through competitive events, leadership development and conferences at the local, state and national levels.

The student has the option of early dismissal if all graduation requirements are met.

Students are eligible to earn 3-5 college credits through completion of the Marketing CLEP exam at the end of senior year. Exam paid for in conjunction with Great Oaks.

COLLEGE AND CAREER READINESS

Code	Course	Level	Grade	Semester	Credit	Career Pathway
6523	College and Career Readiness: Charting Your Course for the Future	N	10-11	1	0.5	   

COLLEGE AND CAREER READINESS: Charting Your Course for the Future











Grade Level: 10, 11, 12

Course Credit: 0.5 credit, one semester








Description:

This course will equip students with the necessary information and skills to successfully prepare for the ACT, PSAT, and SAT. Additionally, students will explore college and career options, build college application and resume writing skills, learn interview techniques and financial planning. Students will define their personal academic, career, and life goals, and chart a path to successfully reach them. **This course meets the financial literacy graduation requirement.**

ENGLISH LANGUAGE ARTS

Code	Course	Level	Grade	Semester	Credit	Career Pathway
1110	English 9	N	9	2	1.0	
1120	English 9	CP	9	2	1.0	
1130	English 9 Pre-AP	H	9	2	1.0	 
1210	English 10	N	10	2	1.0	
1220	English 10	CP	10	2	1.0	
1230	English 10 Pre-AP *	H	10	2	1.0	 
1310	English 11	N	11	2	1.0	
1320	English 11	CP	11	2	1.0	
1340	AP English: Language and Composition **	AP	11-12	2	1.0	   
1440	AP English: Literature and Composition **	AP	12	2	1.0	 

Selective Choices for English 12 (choose 2 of 7 to fulfill requirement)						
1421	Banned Books	N	12	1	0.5	
1422	Fantasy	N	12	1	0.5	
1423	Humor and Satire	N	12	1	0.5	
1424	Love and Relationships	N	12	1	0.5	
1425	Mystery and Horror	N	12	1	0.5	
1426	Non-Fiction: Extraordinary Life Stories	N	12	1	0.5	
1427	Literature, Art and a Changing Society: Vietnam and the 60's	N	12	1	0.5	

Language Arts Electives						
1511	Books: Personal Choices	N	10-12	1	0.5	
1512	Creative Writing	N	10-12	1	0.5	
1610	Journalism I	N	10-12	2	1.0	
1620	Journalism II	CP	11-12	2	1.0	
1630	Journalism III	CP	12	2	1.0	
1711	Modern Mass Media	N	11-12	1	0.5	
1712	Broadcast Journalism	N	11-12	1	0.5	

All of the required English Language Arts courses are designed around high-quality literary and informational texts to develop the skills in reading, writing, speaking and listening that are the foundation for creative and purposeful expression. Emphasis will be placed on close, attentive and critical reading to tackle complex texts and to evaluate intricate arguments. Writing will be developed as a means of asserting and defending claims, demonstrating what the students know and conveying what they have thought, felt or experienced.

Each grade level addresses the English Language Arts standards by concentrating on literature of a specific thematic orientation or national origin. The course options available under each grade heading are designed to address the needs of students according to ability level.

Each English 9 course offering is a survey of various literary genres, time periods, and national origins.

ENGLISH 9

Grade Level: 9
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is designed for freshmen who are reading below grade level.

ENGLISH 9 (CP)

Grade Level: 9
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is designed for freshmen who are reading at or above grade level.

ENGLISH 9 PRE-AP

Grade Level: 9
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is designed for freshmen who are reading significantly above grade level and who demonstrate a strong interest in English. This course is designed to prepare students for English 10 Pre-AP and AP courses at the 11th and 12th grades.

Each English 10 course offering is a survey of American Literature.

ENGLISH 10

Grade Level: 10
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is designed for students who are reading below grade level.

ENGLISH 10 (CP)

Grade Level: 10
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is designed for students who are reading at or above grade level.

ENGLISH 10 PRE-AP *

Grade Level: 10
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is designed for students who are reading significantly above grade level and who demonstrate a strong interest in English. This course is designed to prepare students for AP courses at the 11th and 12th grades.

Each English 11 course offering is a survey of combined British and World Literature.

ENGLISH 11

Grade Level: 11
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is designed for students who are reading below grade level.

ENGLISH 11 (CP)

Grade Level: 11
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is designed for students who are reading at or above grade level.

AP ENGLISH – LANGUAGE AND COMPOSITION **

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is designed for honors-level students with superior reading ability and strong analytical skills. Most of the texts will be informational and argumentative pieces as the course concentrates on the analysis of rhetorical form and strategies. The writing course will focus on expository forms culminating in rhetorical, argumentative and synthesis writing; such expertise is valuable for students seeking advanced placement in college.

AP ENGLISH: LITERATURE AND COMPOSITION **

Grade Level: 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is offered to honors-level seniors who have superior ability and interest in literature composition will study significant literature from major world and American authors – everything from classical Greek tragedy and Elizabethan drama to modern poets and prose writers. This course is of particular value for students seeking advanced placement in college.

For students not taking an AP offering, English 12 is divided into two, one-semester courses. Each of these courses focuses on a specific literary theme and is designed to accommodate students of all reading abilities. The first semester of English 12 will focus on expository writing as well as student-selected choice of literary themes. The second semester of English 12 will focus on interpersonal communication (speech) as well as the second student-selective choice of literary themes. Students must choose **two** of the seven courses to fulfill their 12th grade English requirement.

BANNED BOOKS

Grade Level: 12
Course Credit: 0.5 credit, one semester

Description:

We can learn a lot about a society by what it approves and makes popular, and we can learn just much by looking at what it rejects. This course, made up of some of the most frequently challenged and banned books in the United States over the past decade, will examine both the issues that have made these works notorious and the qualities that have led so many people to champion them. The course may focus on one or more of the four grounds for banning: political, religious, sexual and social. Because students will deal with mature issues such as adult language, sexual content and violence, parental consent is required.

FANTASY

Grade Level: 12
Course Credit: 0.5 credit, one semester

Description:

This course is designed for students interested in exploring the realm of fantasy, a genre which has found a home for stories and novels categorized as fairy tales, folklore, fables or legends. As students examine the history and characteristics of fantasy, they will read literature selections which may include short stories and novels.

HUMOR AND SATIRE

Grade Level: 12
Course Credit: 0.5 credit, one semester

Description:

What makes something funny? Humor is an essential part of being human. Do humor and satire play a role in revealing cultural, political and personal truths? This course will examine the role of humor and satire in unmasking the idiosyncrasies of humans and the institutions they create. The course will consist of the analysis of humor in literature and other forms of popular media.

LOVE AND RELATIONSHIPS

Grade Level: 12
Course Credit: 0.5 credit, one semester

Description:

This course is designed for students interested in exploring the many forms of love: romantic, filial and platonic. Through the study of both classic and contemporary literature, poetry, film and song, students will analyze the impact that the presence or absence of love has in our lives.

MYSTERY AND HORROR

Grade Level: 12
Course Credit: 0.5 credit, one semester

Description:

What makes a good mystery or horror story? Why do people enjoy these books? In this course, students will analyze the works of writers such as Edgar Allan Poe, Stephen King, Agatha Christie and other famous horror and mystery writers in order to better understand the literary techniques these authors use and the human condition which inspires them.

NON-FICTION: EXTRAORDINARY LIFE STORIES

Grade Level: 12
Course Credit: 0.5 credit, one semester

Description:

What is it about someone's journey that captivates us? How do individual defining moments impact the human experience? This course will examine extraordinary true stories and the reasons that drive people to reveal them. We will explore the ways in which others' passions, secrets and struggles influence our own lives.

LITERATURE, ART, AND A CHANGING SOCIETY: VIETNAM AND THE 60's

Grade Level: 12

Course Credit: 0.5 credit, one semester

Description:

The Vietnam War era was a uniquely tumultuous time. American society was rocked by the conflict, and the arts – literature, music, film and visual media – captured the turmoil. This course will examine the social and political context of the Vietnam War and explore its impact on American culture and the literature and artistic media that reflect it.

The following elective courses are intended to further expand students' opportunities in English Language Arts. Students are encouraged to take any of these courses in addition to their year-long English course.

BOOKS: PERSONAL CHOICES

Grade Level: 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

Designed for tenth, eleventh or twelfth graders, this course is for students who have a love of reading but find they are unable to read on a regular basis because of time restraints and academic limitations. Students will read self-selected books, participate in discussions and write response journals to reflect upon theme, plot and characterization. This elective course does not fulfill the English credit requirement for graduation.

CREATIVE WRITING

Grade Level: 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course is intended for students interested in learning techniques and skills to produce creative writing in both fiction and nonfiction pieces. It should also help students to develop sensitivity to their surroundings, to understand the motivations of human nature and to evaluate their own life experiences. Students will be encouraged to express their ideas and observations and to develop their own personal style. They will become familiar with and attempt to produce a variety of written forms which may include, but are not limited to, narration, description, short story, mood piece, creative essay, drama and poetry. This elective course does not fulfill the English credit requirement for graduation.

JOURNALISM I

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course will explore the techniques used in print and digital media. Students will learn and apply journalistic writing styles, desktop publishing, design and advertising (selling ads required). Although the yearbook and newspaper will still be extracurricular activities, students will be working on both school publications as part of this course. Students taking this course should have strong writing skills. This elective course does not fulfill the English credit requirement for graduation.

JOURNALISM II

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Journalism I and teacher recommendation

Description:

Those students who wish to extend their experience and knowledge by continuing their work on school publications will have the opportunity to do so in this class. Further exploration of advertising (selling ads), ethics, power and responsibility of the press, as well as the role of editor will be part of this course. Making decisions on the news, researching, reporting and editorially serving school and community through written publications will be explored. This elective course does not fulfill the English credit requirement for graduation.

JOURNALISM III

Grade Level: 12
Course Credit: 1 credit, two semesters
Prerequisite: Journalism I and Journalism II and teacher recommendation

Description:

This class is designed for students who have successfully completed Journalism I and II. Students will continue to explore advertising (selling ads), ethics, power and responsibility of the press and the role of the editor by taking a strong leadership position over the publication. Editing and finalizing decisions on the news as well as researching and reporting are required. This elective course does not fulfill the English credit requirement for graduation.

MODERN MASS MEDIA

Grade Level: 11, 12
Course Credit: 0.5 credit, one semester

Description:

This elective course will include an analysis of various media such as newspapers, internet, magazines, radio, television and film. Students will understand the importance of media literacy, analyze changes in media and become aware of the influence and control which modern media has over the American public. Debate, discussion, videotaping, television viewing, movie reviewing and analyzing advertising techniques are included in this course. This elective does not fulfill the English credit requirement for graduation.

BROADCAST JOURNALISM

Grade Level: 11, 12

Course Credit: 0.5 credit, one semester

Description:

This course is designed for students interested in studying the essentials of audio/video broadcasting and video production. Students in this class will study and have practical experience in various areas of broadcast journalism including planning, filming, interviewing, reporting, anchoring, editing and production. Students will receive both behind-the-scenes and in front of the camera or microphone experience. This elective course does not fulfill the English credit requirement for graduation.

FAMILY AND CONSUMER SCIENCES

Code	Course	Level	Grade	Semester	Credit	Career Pathway
7113	Nutrition and Healthy Lifestyles	N	9-12	1	0.5	 
7213	Creative and Safe Cooking	N	9-12	1	0.5	 
7313	Child Development	N	10-12	1	0.5	
7413	Family Studies	N	10-12	1	0.5	
7513	Career and Life Planning	N	9-12	1	0.5	
7613	Personal Transitions	N	9-12	1	0.5	
7713	Fashion Design and Selection	N	9-12	1	0.5	

NUTRITION AND HEALTHY LIFESTYLES

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course is designed to provide students with information and lab experiences that will enable them to make healthy food choices based on a variety of lifestyles. There will be basics, such as dietary guidelines, safety and sanitation, meal planning and recipe modification. Other topics include eating disorders, weight management, sports nutrition and current trends in diets, nutrition and wellness factors.

The objectives for this course overlap those for Nutritional Biochemistry. It is recommended that students avoid taking both courses in the same year.

CREATIVE AND SAFE COOKING

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course emphasizes strategies for making economical choices when planning meals. Students will be introduced to the guidelines for selecting appliances, setting up a food budget and buying and storing foods. Safe and sanitary practices are covered in order to prevent food borne illnesses. Making consumer decisions, tips on using space, time and energy efficiently will help students manage their resources while working in the kitchen. Information on basic cooking methods will also give them a background on how to prepare a wide variety of foods. Regional and international cuisine will also be explored.

Fee: \$18 - \$42

CHILD DEVELOPMENT

Grade Level: 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course is designed to provide students with foundational skills and awareness that will enable them to make informed decisions about becoming a parent or childcare provider. Anyone who anticipates interaction with children in any capacity will benefit from this course. Topics include parenting readiness, human growth and development, balancing work and family responsibilities and changing family structures. The daily challenges and rewards of parenting will be the focus of cooperative and independent learning activities.

FAMILY STUDIES

Grade Level: 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

The purpose of this course is to provide learning opportunities that will enhance students' personal development and increase awareness of family living issues. Students will focus on child development concepts along with helping them relate personal experiences to family life issues and analyze situations that require critical thought and problem-solving techniques.

CAREER AND LIFE PLANNING

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course will provide students with many skills essential for independent living and suggestions for effective decision making related to both short- and long-range goals. Skills for competencies in individual and family economics will be explored along with knowledge for coordinating work and personal life. Topics covered will range from consumerism to interpersonal relationships and responsibilities faced in society by adults in various life stages. The course will utilize many case studies and role-play activities to stress key concepts. **This course meets the financial literacy requirement.**

PERSONAL TRANSITIONS

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

Adolescence is a confusing time for everyone. This course focuses on the practical problems faced by teens, including peer relations, conflict management, stress management and self-esteem. Activities include case studies, critical thinking problems and shared experiences.

FASHION DESIGN AND SELECTION

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course is primarily a hands-on course that emphasizes textile and pattern selection and construction techniques. This class would be helpful in developing a portfolio for students interested in majoring in fashion industry in college.

This course requires advanced manual dexterity skills and moderate technical abilities.

FINE ARTS – MUSIC

Code	Course	Level	Grade	Semester	Credit	Career Pathway
9600	Concert Treble	N	9-12	2	1.0	
9610	Men's Chorus	N	9-12	2	1.0	
9613	Beginning Guitar	N	9-12	1	0.5	
9620	Women's Chorus	N	10-12	2	1.0	
9623	Music History	N	9-12	1	0.5	
9630	AHS/THS Singers *	H	10-12	2	1.0	
9640	AP Music Theory **	AP	10-12	2	1.0	
9710	Concert Band	N	9-12	2	1.0	
9711	Marching Band	N	9-12	9WK	0.25	
9720	Percussion	N	9-12	2	1.0	
9740	Percussion *	H	9-12	2	1.0	
9730	Wind Ensemble *	H	9-12	2	1.0	
9810	Philharmonic Orchestra	N	9-12	2	1.0	
9830	Symphonic Orchestra *	H	9-12	2	1.0	

CONCERT TREBLE

Grade Level: 9-12 (Women)

Course Credit: 1 Credit, two semesters

Prerequisite: Previous choral experience or successful audition with the choral director

Description:

This group offers students experience in three or four part music, development in vocal skills, tone production, note reading skills, stage presence and an awareness of styles in music. Music studied and performed by this group includes classical, folk, popular, sacred and Broadway show music. Required concerts, assemblies, rehearsals and other programs comprise the performance experience. Solo and Ensemble participation is encouraged.

MEN'S CHORUS

Grade Level: 9-12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation and audition

Description:

This group performs unison, two, three and four part music written for tenor and bass voices. Selections are drawn from a variety of musical styles, including classical, folk, popular, sacred, sea chanteys and barbershop music. Special attention is given to vocal techniques and basic note reading skills. Required concerts, assemblies, rehearsals and other programs comprise the performance experience. Solo and Ensemble participation is encouraged.

BEGINNING GUITAR

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course is designed for the student that has a desire to learn basic guitar. Emphasis will be placed on note and clef reading of all six strings (not tab) as well as simple chords. Having a guitar at home is very helpful. Enrollment will be limited. Students will learn how to play classical guitar style.

WOMEN'S CHORUS

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation and audition

Description:

This group studies and performs unison, two, three and four part music written specifically for soprano and alto voices. Representative styles of music drawn from classical, folk, popular, sacred and Broadway musicals are performed. Special attention is given to vocal technique and basic music reading skills. Required concerts, assemblies, rehearsals and other programs comprise the performance experience. Solo and Ensemble participation is encouraged.

MUSIC HISTORY

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester
Prerequisite: Teacher recommendation

Description:

Music history is the study of music in western civilization. Students will expand their musical understanding through an exploration of composers, styles, social and historical background. There is a strong emphasis on detailed listening. The course also provides a necessary background for those interested in music as a career.

AHS/THS SINGERS *

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Successful audition with choral director

Description:

Music of all periods is studied and performed at regularly scheduled concerts and assemblies. Ensemble and solo work is emphasized and encouraged. Scales, sight reading, tone quality and singing experience are the determining factors in the selection of members for this top level group. This group performs standard literature as well as choreographed selections, and is often invited to do concerts in the community and beyond. Required concerts, assemblies, rehearsals and other programs comprise the performance experience. Additional requirements will include OMEA Adjudicated events, community service, outside concert attendance and other projects with notification from the director.

AP MUSIC THEORY **

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semester
Prerequisite: Teacher recommendation

Description:

The ultimate goal of the AP Music Theory course is to 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 achievement of this goal may be best promoted by integrated approaches to the student's development of: aural, site-singing, written, compositional and analytical skills through listening, performance, written and creative and analytical exercises.

CONCERT BAND

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, two semesters
Prerequisite: Successful audition and teacher recommendation

Description:

It is mandatory for all members to participate in Marching Band also. Students who plan to participate in a fall sport should contact the band director to see how accommodations may be made. Concert Band students work to build musicianship, fundamental skills and performance techniques. The selection of music will be varied throughout the year. The Concert Band presents several formal concerts each year. Opportunities are also available for solo and ensemble participation as well as pep and jazz bands. The band meets five days per week. Solo and Ensemble participation is encouraged.

MARCHING BAND (9 Week Course)

Grade Level: 9, 10, 11, 12
Course Credit: 0.25 credit, 9 weeks
Prerequisite: Successful audition and teacher recommendation

Description:

The Marching Band is comprised of band members from Concert Band, Wind Ensemble, Percussion, and the Color Guard. Members attend practices during the summer and August Band Camp in preparation for fall performances. Daily rehearsals beyond the school day prepare the class to perform at football games as well as at marching band festivals, contests and parades. There is considerable regional travel for the class including all varsity football games. Please contact the high school band director for specific dates and schedules, as attendance and participation are the primary basis for class grading.

PERCUSSION

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Successful audition and teacher recommendation

Description:

It is mandatory for all members to participate in Marching Band also. Students who plan to participate in a fall sport should contact the band director to see how accommodations may be made. Through teacher evaluation, percussion students will be placed in General Percussion or Advanced Percussion. Students in Percussion Class work to build musicianship, percussive skills, and performance techniques. The selection of music will be varied throughout the year consisting of both mallet and snare exercises and etudes, solos and ensembles. Percussion Class presents several formal concerts each year with Concert Band and Wind Ensemble. Opportunities are also available for solo and ensemble participation as well as pep and jazz bands. At the conclusion of the marching season, Orchestra Percussion go to Orchestra two times per week. Solo and Ensemble participation is encouraged.

PERCUSSION (H) *

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Successful audition and teacher recommendation

Description:

It is mandatory for all members to participate in Marching Band also. Students who plan to participate in a fall sport should contact the band director to see how accommodations may be made. Students in Percussion Class work to build high levels of musicianship and employ advanced performance techniques. The selection of music will be varied throughout the year using all percussion instruments. Music will include band arrangements, etudes, solos and ensembles. Percussion Class presents several formal concerts each year with Concert Band and Wind Ensemble. Students are required to participate in Solo and Ensemble as well as pep band. At the conclusion of the marching season, those students also participating in Symphonic Orchestra will attend Orchestra two times per week. Honors Percussion is by audition only. Auditions occur in the spring of the previous school year.

WIND ENSEMBLE *

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Successful audition and teacher recommendation

Description:

It is mandatory for all members to participate in Marching Band also. Students who plan to participate in a fall sport should contact the band director to see how accommodations may be made. Wind Ensemble students work to build high levels of musicianship and employ advanced performance techniques. A variety of band literature will be studied and performed. Students will study fundamental concepts of music theory, music history, and ear training throughout the course. Students will participate in community service based on sharing their talents outside of school. The Wind Ensemble presents several formal concerts each year. All students will participate in Solo & Ensemble, as well as Pep Band. At the conclusion of the marching season, Symphonic Orchestra members will attend Orchestra two times per week. Wind Ensemble is by audition only. Auditions occur in the spring of the previous school year.

PHILHARMONIC ORCHESTRA

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Successful audition with orchestra director

Description:

Philharmonic meets as a string orchestra daily. The Philharmonic curriculum includes string orchestra repertoire and developing technical string playing skills. All styles and types of music are studied to assure a well-rounded orchestra experience. The orchestra performs at required concerts throughout the year. Solo and ensemble participation as well as private lessons are strongly encouraged.








































SYMPHONIC ORCHESTRA *

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Successful audition with orchestra director

Description:

String Orchestra meets daily, one day with the winds and percussion players during the marching season and two days during the concert band season. The Symphony Orchestra curriculum includes both string and full orchestra repertoire and students from the orchestra are selected to play in the pit orchestra for the spring musical as well as chamber orchestra. All styles and types of music are studied to assure a well-rounded orchestral experience. The orchestra performs at various assemblies and required concerts throughout the year. Community service, outside concert attendance, extended rehearsals and OMEA Adjudicated events are requirements for this course. Private lessons are encouraged for participation in Symphony.

FINE ARTS – VISUAL ARTS

Code	Course	Level	Grade	Semester	Credit	Career Pathway
9110	Drawing and Painting I	N	9-12	2	1.0	   
9120	Drawing and Painting II	N	10-12	2	1.0	  
9130	Drawing and Painting III	N	11-12	2	1.0	
9140	AP Studio-Drawing **	AP	12	2	1.0	
9210	Sculpture and Ceramics I	N	9-12	2	1.0	   
9220	Sculpture and Ceramics II	N	10-12	2	1.0	  
9230	Sculpture and Ceramics III	N	11-12	2	1.0	
9440	AP Studio-2D Design **	AP	12	2	1.0	   
9240	AP Studio-3D Design **	AP	12	2	1.0	   
9310	Introduction to Photography	N	9-12	2	1.0	   
9320	Advanced Photo Design	N	10-12	2	1.0	
9410	Introduction to Digital Imaging	N	9-12	2	1.0	   
9420	Advanced Digital Imaging	N	10-12	2	1.0	  
9540	AP Art History **	AP	11-12	2	1.0	 

DRAWING AND PAINTING I

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semester

Description:

Drawing and Painting I is a semester hands-on basic training course to improve your drawing skills. You will learn the tricks of effective composition, discover how to see your subject matter like an artist does and be given lots of time to work on shading, perspective, color mixing and figure drawing. You will also get to know famous artists. Critical review of work during this course will be both written and verbal. Students will be required to keep a sketchbook and participate in class critiques of their own and others' works.

DRAWING AND PAINTING II

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Drawing and Painting I

Description:

Drawing and Painting II continues to build on student skills and knowledge of a wide variety of techniques and materials. Students will continue to develop their own artistic style, creative self-expression and knowledge of the fundamentals. They will increase their study of art history as they explore a variety of artists and art movements throughout time. After completing this course, students will be prepared for a future in higher level art classes should they choose to continue on to Drawing and Painting III. Student critiques will be both verbal and written. They will begin to work more independently. They will still be required to keep a sketchbook, turn in homework and participate in class discussion. Students may choose to purchase additional supplies for this course.

DRAWING AND PAINTING III

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Drawing and Painting II

Description:

In Drawing and Painting III, students will begin to master their own artistic skill as they work towards creating a cohesive body of work. They will continue to build on their knowledge of art history through the examination of many different artists and their styles. After completing this course, students will be prepared for a future in higher level art courses should they decide to continue on into AP Art and/or art at the college level. They will continue to work more independently and their projects will become more self-directed. Student critique will be more intense and frequent. They will still be required to keep a sketchbook, turn in homework and participate in class discussion. Students may choose to purchase additional supplies for this course.

AP STUDIO DRAWING **

Grade Level: 12
Course Credit: 1 credit, two semesters
Prerequisite: Drawing and Painting III and teacher recommendation

Description:

The Drawing Portfolio is intended to address a very broad interpretation of drawing issues and media. Line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making are drawing issues that can be addressed through a variety of means, which could include painting, printmaking, mixed media, etc. Abstract and observational works may demonstrate drawing competence. The range of marks used to make drawings, the arrangement of those marks and the materials used to make the marks are endless. There is no preferred (or unacceptable) style or content.

Any work submitted in the Drawing Portfolio that incorporates digital or photographic processes must address issues such as those listed above. Using computer programs merely to manipulate photographs through filters, adjustments or special effects is **not** appropriate for the Drawing Portfolio.

SCULPTURE AND CERAMICS I

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters

Description:

Anyone can be successful in this highly popular class. If you enjoy working with your hands, this class is for you. You will learn basic hand-building clay techniques as well as glazing and other finishing processes. Completing a variety of projects using different mediums you will learn how to make sculptures and ceramic pottery using the elements and principles of 3D design. You will also explore works created by sculptors and potters through the ages.

SCULPTURE AND CERAMICS II

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Sculpture and Ceramics I

Description:

This course emphasizes self-expression and interpreting what your art says about you while honing your technique and design skills. You will be introduced to new mediums as well as new techniques. You'll learn how to throw on a potter's wheel to create a variety of functional vessels. You'll also be exploring advanced hand-building and finishing techniques. We will continue to explore the history of sculptures, sculptors and functional pottery.

SCULPTURE AND CERAMICS III

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Sculpture and Ceramics II

Description:

You have already learned many sculpture techniques and have started to create your own style. This year you will be developing your voice while creating your work. Using prompts given by the instructor you will have the freedom to design and create your solution in the method that expresses your artistic style. You will also continue to advance your skills using the potter's wheel. You will explore the history of art as it applies to your personal style and choice of medium.

AP STUDIO ART: 2D DESIGN **

Grade Level:	12
Course Credit:	1 credit, two semesters
Prerequisite:	2 credits of art and teacher recommendation

Description:

This portfolio is intended to address two-dimensional (2D) design issues. Design involves purposeful decision making about how to use the elements and principles of art in an integrative way. The principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, figure/ground relationships) can be articulated through the visual elements (line, shape, color, value, texture, space). They help guide artists in making decisions about how to organize an image on a picture plane in order to communicate content. Effective design is possible whether one uses representational or abstract approaches to art. For this portfolio, students are asked to demonstrate mastery of 2D design through any two-dimensional medium or process including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking. Video clips, DVDs, CDs and three-dimensional works may not be submitted. However, still images from videos or films are accepted.

AP STUDIO ART: 3D DESIGN **

Grade Level:	12
Course Credit:	1 credit, two semesters
Prerequisite:	Sculpture and Ceramics III and teacher recommendation

Description:

This portfolio is intended to address sculptural issues. Design involves purposeful decision making about using the elements and principles of art in an integrative way. In the 3D Design Portfolio, students are asked to demonstrate their understanding of design principles as they relate to the integration of depth and space, volume and surface.

The principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale and occupied/unoccupied space) can be articulated through the visual elements (mass, volume, color/light, form, plane, line, texture).

For this portfolio, students are asked to demonstrate mastery of 3D design through any three-dimensional approach including, but not limited to, figurative or non-figurative sculpture, architectural models, metal work, ceramics, glass work, installation, assemblage and 3D fabric/fiber arts. There is no preferred (or unacceptable) style or content.

INTRODUCTION TO PHOTOGRAPHY

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters

Description:

In this class you will learn the basic skills and techniques of photography. Students will learn how to use the controls of their SLR cameras to design photographic images that effectively communicate their ideas and techniques for working in the darkroom to create unique images. Students will also learn some surprising and interesting things about the history of photography. Students should expect some personal expense in order to participate in this course. Photography requires a high level of maturity and initiative because much of the work needs to be done during daylight hours. Also having access to transportation is an asset to success. An SLR camera is required, either film or digital.

ADVANCED PHOTO DESIGN

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course will expand your knowledge of the art of photography, using both darkroom and digital techniques. Using your SLR camera, you will combine these skills with creative ways to take, manipulate and present photographic images. Some of photography's greatest artists will also be studied. Continue having fun with your camera, expect to work hard and purchase necessary supplies. Photography requires a high level of maturity and initiative because much of the work needs to be done during daylight hours. Also having access to transportation is an asset to success.

INTRODUCTION TO DIGITAL IMAGING

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters

Description:

Computers and technology are driving nearly every aspect of our culture including contemporary art. Students begin to develop an understanding of the elements of art and principles of design while gaining valuable experience working with computers. Students will experience a variety of programs including Adobe Photoshop and Illustrator while learning how to understand and expand on their creative skills. This is an essential class for art majors to stay up to date in the digital age.

ADVANCED DIGITAL IMAGING

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Introduction to Digital Imaging

Description:

An extension for the digital imaging student using a variety of computer based media, photography skills and other design media students will explore the elements and principles of visual design. Students will build upon previously learned skills and be introduced to new skills that will help them to become more effective visual communicators and consumers.



AP ART HISTORY **

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: History, Art or English teacher recommendation

Description:

The AP Art History course gives the serious student the opportunity to explore the history of art from ancient times to the present. The visual language of humans illuminates each age and culture more clearly than any other form of communication. Through readings, research, viewing images and videos, virtual and real visits to art museums and galleries, students will come to know the significant artists and artworks from diverse historical and cultural contexts. We will examine the development of trends, movement and events in art and will see how they reflected or affected the times in which they occurred. Writing skills will be important in the description, analysis and comparison of these works. Students will be asked to look, research, discuss and write about art in relation to such issues as patronage, gender, politics, religion and ethnicity. They will be expected, through carefully structured assignments, to exhibit an extensive scholarship in conjunction with these experiences in preparation for the AP Art History exam.

FINE ARTS – THEATRE

Code	Course	Level	Grade	Semester	Credit	Career Pathway
9910	Introduction to Theatre	N	9-12	2	1.0	
9920	Advanced Theatre Studio	N	10-12	2	1.0	

INTRODUCTION TO THEATRE

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters

Description:

The emphasis placed on theatre arts throughout history is the focus of this course. Students will gain an appreciation for theatre by studying specific histories and cultures, learning and applying language and vocabulary specific to theatre arts and engaging in projects that ask the student to apply knowledge in a creative way. Students will also have fun, gain self-esteem and confidence and be able to use their creativity in new and dynamic ways to tell stories of others and themselves.























ADVANCED THEATRE STUDIO

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Introduction to Theatre

Description:

Students in the Advanced Theatre Studio class will continue their education of theatre by participating in units of study that engage the learner in a variety of ways. Each unit allows the student to grow as an artist by understanding how history, culture and social issues affect dramatic texts. Students are also asked to communicate their ideas through creative expression. They will analyze and respond to a variety of literary and performance-based material. Students will continue to learn how to value theatre through reflection. In addition, students will engage in the film making process by writing, shooting, acting and editing their own short film. While similar to the theatrical process, film making is a new and exciting career path that students will need to explore if they are considering a career in the Performing Arts. Lastly, students will connect their learning by applying it to real-world projects presented to the public. This class is repeatable.

MATHEMATICS

Code	Course	Level	Grade	Semester	Credit	Career Pathway
2110	Math Foundations	N	9	2	1.0	
2210	Math I	N	10	2	1.0	
2120	Math I	CP	9	2	1.0	
2310	Math II	N	11	2	1.0	
2220	Math II	CP	9-11	2	1.0	
2230	Math II	H	9-11	2	1.0	
2410	Math III	N	12	2	1.0	
2320	Math III	CP	11	2	1.0	
2330	Math III *	H	10-12	2	1.0	
2530	Advanced Mathematics *	H	10-12	2	1.0	   
2540	AP Statistics **	AP	10-12	2	1.0	   
2420	College Algebra with Trigonometry	CP	11-12	2	1.0	  
2430	Pre-Calculus ** (CC+)	H	10-12	2	1.0	   
2630	Calculus *	H	11-12	2	1.0	   
2640	AP Calculus AB **	AP	11-12	2	1.0	 
2740	AP Calculus BC **	AP	12	2	1.0	

All math classes require the recommendation of the student's current math teacher.

CALCULATORS: Students taking four years of high school mathematics should own a graphing calculator with matrix and statistics capability. Graphing calculators are required in all math classes. The TI-83 or TI-84 Plus are strongly recommended.

MATH FOUNDATIONS

Grade Level: 9
Course Credit: 1 credit, two semesters

Description:

Math Foundations will provide students with a solid understanding of algebraic and geometric thinking in preparation for future success in rigorous mathematics courses. Definition of arithmetical, algebraic, geometric and linear terminology will comprise much of the learning inherent in this course. Computational skills will be bolstered as will students' ability to solve complex mathematical word problems. This course is the first course in a two year sequence and will incorporate many elements of the high school Math I course but will move at a pace more conducive to students who need extra time to develop the many skills needed for college and career mathematics readiness.

MATH I

Grade Level: 9, 10
Course Credit: 1 credit, two semesters

Description:

Math I is focused on formalizing and extending the mathematics that students learned in the middle grades. The critical areas deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Math I uses properties and theorems involving congruent figures and transformations of figures to deepen and extend understanding of geometric knowledge from prior grades. Definitions of terms from geometry will be explored. The final unit in the course ties together the algebraic and geometric ideas studied through statistics.

MATH II

Grade Level: 9, 10, 11
Course Credit: 1 credit, two semesters
Prerequisite: Math I

Description:

Math II is focused on quadratic expressions, equations and functions, comparing their characteristics and behavior to those of linear and exponential relationships from Math I. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. The link between probability and data is explored through conditional probability and counting methods including their use in making and evaluating decisions. The study of similarity links to an understanding of right triangle trigonometry and connects to quadratics through the Pythagorean Theorem. Circles with their quadratic algebraic representations round out the course.

MATH III

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Math II

Description:

It is in Math III that students pull together and apply the accumulation of learning that they have from their previous courses. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions which include polynomial, rational and radical functions. They expand their study of right triangle trigonometry to include general triangles. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems.

ADVANCED MATHEMATICS *

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

Advanced Mathematics is offered to students with solid critical thinking skills. Students will be introduced to a variety of advanced mathematical topics such as discrete mathematics, probability, descriptive and inferential statistics. In addition, students will learn how to use Microsoft Excel to conduct statistical simulations and model basic personal finance problems. This course explores the role randomness plays in our lives and demonstrates how math is used in the real world. It can be paired with Math II or Math III and is a perfect precursor to AP Statistics.

AP STATISTICS **

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

AP Statistics focuses on the study of probability and statistics, both descriptive and inferential. The course emphasizes analysis and interpretation more than computation. The course consists of four main strands: (1) Exploring data: describing patterns and departures from patterns, (2) Sampling and experimentation: planning and conducting a study, (3) Anticipating patterns: exploring random phenomena using probability and simulation, (4) Statistical inference: estimating population parameters and testing hypotheses.

COLLEGE ALGEBRA WITH TRIGONOMETRY

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Math III (H or CP) and teacher Recommendation

Description:

This course is designed for the college-bound student who needs a solid math background. Topics include advanced equation solving, functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometry, analytic trigonometry and applications and complex numbers. Additional topics may include conic sections, matrices and polar coordinates.

PRE-CALCULUS **

(CC+ option with the University of Cincinnati)

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Math III (H) and teacher recommendation

Description:

This course will prepare the advanced math student for Calculus. This year-long course is designed for the superior math student who plans to pursue a math-oriented career in math, business, engineering or science. Topics include functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometry, analytic trigonometry and applications, systems of equations and inequalities, matrices and determinants, analytic geometry, polar coordinates and parametric equations.

CALCULUS *

Grade Level:	11, 12
Course Credit:	1 credit, two semesters
Prerequisite:	College Algebra with Trigonometry or Pre-Calculus and teacher recommendation

Description:

Calculus is a course for the college-bound student. Topics include rates of change, derivatives, maxima and minima, applications of differentiation, optimization, anti-differentiation, integrals and applications of integration. This course is designed to prepare students for a college calculus course, easing the transition from high school to college level math.

AP CALCULUS AB **

Grade Level:	11, 12
Course Credit:	1 credit, two semesters
Prerequisite:	Pre-calculus and teacher recommendation

Description:

AP Calculus AB is a one-year, Advanced Placement course for the college-bound honors student. Topics include rates of change, derivatives, curve sketching, maxima and minima, definition of integrals, integrals and applications of integration. The course is a preparation for the Advanced Placement Calculus AB examination.

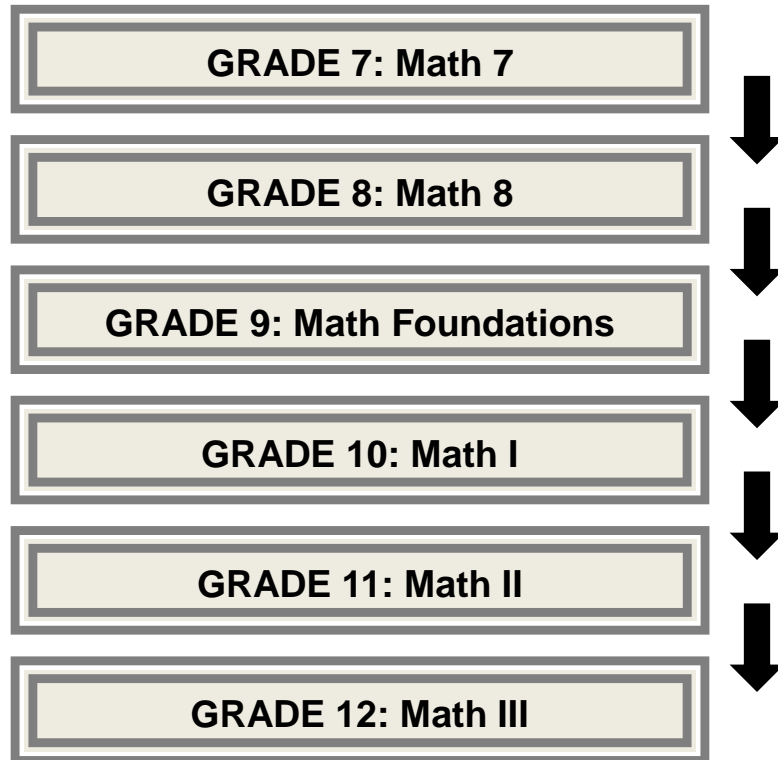
AP CALCULUS BC **

Grade Level:	12
Course Credit:	1 credit, two semesters
Prerequisite:	Pre-calculus and teacher recommendation

Description:

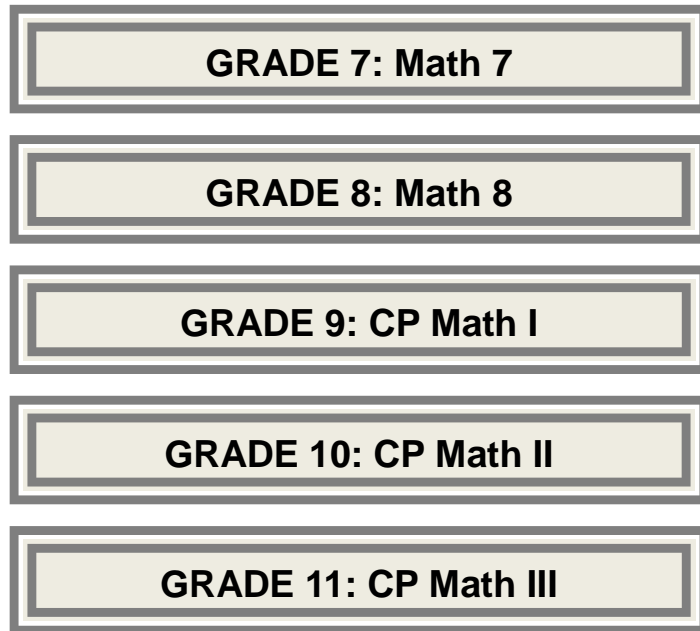
AP Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics taught in Calculus AB plus additional topics such as arc length, techniques of integration, sequences, series, vector-valued functions and polar coordinates. A Calculus AB sub-score is reported based on performance on the portion of the Advanced Placement Calculus BC Exam devoted to Calculus AB topics.

MATH PROGRESSION GENERAL



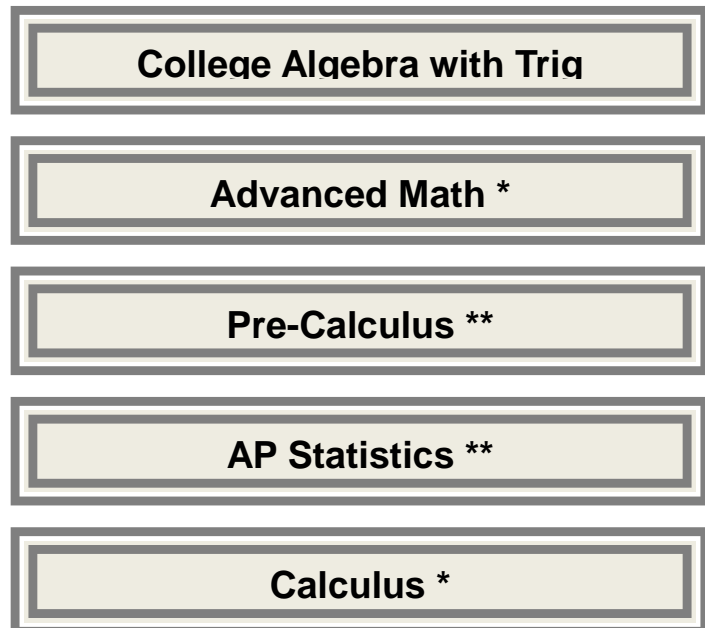
MATH PROGRESSION

COLLEGE PREP



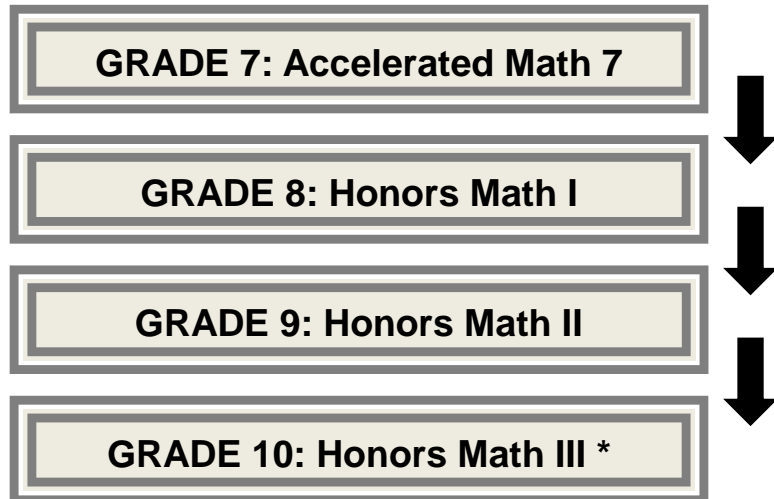
ELECTIVES

Note: 4 credits of math required

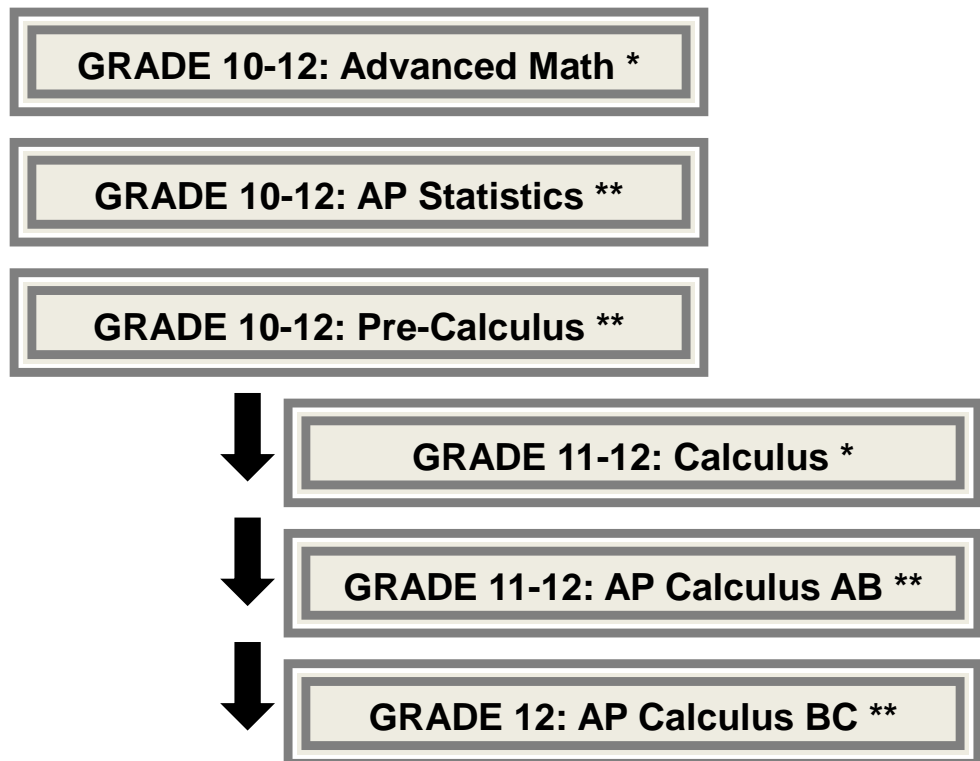


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MATH PROGRESSION HONORS









ELECTIVES



** 0.025 WEIGHT * 0.0125 WEIGHT

PHYSICAL EDUCATION

Code	Course	Level	Grade	Semester	Credit	Career Pathway
0123	Health	N	9-12	1	0.5	
0213	Physical Education	N	9-12	1	0.25	
0223	Lifeguarding, CPR, and First Aid	N	9-12	1	0.25	
0233	Dance and Creative Movement	N	9-12	1	0.25	
0243	Competitive Games	N	9-12	1	0.25	
0253	Strength Training and Conditioning	N	9-12	1	0.25	
0263	Leisure Games and Activities	N	9-12	1	0.25	
0273	Officiating	N	9-12	1	0.25	

HEALTH

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

The content of this class includes a study of family life, drugs, alcohol, tobacco, diseases, mental health, sexuality and STD's, safety, nutrition and CPR.

This course is required for all students.

PHYSICAL EDUCATION

Grade Level: 9, 10, 11, 12
Course Credit: 0.25 credit, one semester

Description:

Students will participate in a variety of individual, team and lifelong sports, as well as learn physical fitness activities. Students will engage in physical activities that promote skill enhancement, goal setting and lifelong enjoyment. Students will learn to work with others in authentic physical activity to achieve a common goal and learn cooperation and sportsmanship concepts. Some examples of physical fitness activities are tennis, swimming, flag football, volleyball, badminton and pickleball.

Unless you are using the Forest Hills School District PE waiver, this course is required for all students and is a prerequisite for all other physical education courses.

LIFEGUARDING, CPR, AND FIRST AID

Grade Level: 9, 10, 11, 12
Course Credit: 0.25 credit, one semester
Prerequisite: Physical Education or PE Waiver

Description:

Students will learn swimming techniques, water safety instructor aide skills, conditioning, survival skills and various aquatic games and activities. This course will teach students the skills necessary to save their own life and the lives of others. Students must be 15 years of age in order to receive certification. Students may receive school credit without receiving Red Cross certification.

Note: Swimming ability test will be administered in the first week of this course. Students should be advised that a proficient level of ability is required to begin this course.

DANCE AND CREATIVE MOVEMENT

Grade Level: 9, 10, 11, 12
Course Credit: 0.25 credit, one semester
Prerequisite: Physical Education or PE Waiver

Description:

This is an ideal class for students who enjoy creative movement, musical variety and collaborating with others. Basic movement styles will be explored and may include, but are not limited to the following: yoga, pilates, hip-hop, ballet, tap, Zumba, aerobic, tinikling, folk, line dancing, square dancing and other forms of creative dance. Students do not need to be experienced dancers but will be required to choreograph dance routines individually and in groups.

COMPETITIVE GAMES

Grade Level: 9, 10, 11, 12
Course Credit: 0.25 credit, one semester
Prerequisite: Physical Education or PE Waiver

Description:

This is an ideal class for students who enjoy vigorous physical activity, competition and teamwork through a variety of team and individual sporting events. The class has a competitive tournament-style format for many of the games. Events in the course will include, but are not limited to basketball, volleyball, soccer, handball and floor hockey. The class will also emphasize physical safety and athletic training and will encourage teamwork as well as athletic strategies and tactics.

STRENGTH TRAINING AND CONDITIONING

Grade Level: 9, 10, 11, 12
Course Credit: 0.25 credit, one semester
Prerequisite: Physical Education or PE Waiver

Description:

This class is designed for students who are interested in improving strength, muscular endurance and power. This class helps students set strenuous but attainable goals for enhancing their health and physical fitness. Exercise, proper nutrition, weight control and cardiovascular development will be studied. When possible, professional strength coaches and weightlifting experts will work with students to foster greater flexibility and agility training. A physical fitness evaluation will be given to each student and a program will be developed to satisfy individual needs and goals.

LEISURE GAMES AND ACTIVITIES

Grade Level: 9, 10, 11, 12
Course Credit: 0.25 credit, one semester
Prerequisite: Physical Education or PE Waiver

Description:

This is an ideal course for students who enjoy leisure sports and activities. The course will combine indoor and outdoor activities which will foster lifetime enjoyment of games and the social interactions they can provide. Events in the course may include but are not limited to corn hole, ping pong, golf, bowling, hacky sack, Frisbee, badminton, darts and strategy games. The only dress requirement for this course is school attire and appropriate footwear.

OFFICIATING



























Grade Level: 9, 10, 11, 12
Course Credit: 0.25 credit, one semester
Prerequisite: Physical Education or PE Waiver

Description:

The purpose of this course is to enable students to acquire knowledge of sport rules and regulations, develop skills in officiating selected sports, improve skills in specified team sports and maintain or improve health-related fitness. The content should include but not be limited to the following: safety practices, rules, terminology, etiquette, history of the sports, sportsmanship, correct techniques in performing skills, correct signals for officiating, umpiring and officiating games, consumer issues, benefits of participation, fitness activities and assessment of skills and fitness.

The sports offered may include but are not limited to basketball, flag football, soccer, softball and volleyball.

SCIENCE

Code	Course	Level	Grade	Semester	Credit	Career Pathway
3110	Life Science	N	9	2	1.0	
3120	Biology	CP	9	2	1.0	
3130	Biology *	H	9	2	1.0	
3340	AP Biology **	AP	11-12	2	1.0	 
3210	Physical Science	N	10	2	1.0	   
3220	Physical Science	CP	10	2	1.0	
3320	Chemistry	CP	11-12	2	1.0	
3230	Chemistry *	H	10	2	1.0	
3640	AP Chemistry **	AP	11-12	2	1.0	 
3310	Earth Science	N	11	2	1.0	
3410	Environmental Science	CP	11-12	2	1.0	  
3420	Physics	CP	11-12	2	1.0	 
3510	AP Physics I **	AP	11-12	2	1.0	 
3520	AP Physics II **	AP	12	2	1.0	
3530	AP Physics C: Mechanics **	AP	11-12	2	1.0	
3620	Nutritional Biochemistry	CP	11-12	2	1.0	  
3720	Biology for the Health Prof ** (CC+)	CP	11-12	2	1.0	   
3810	Engineering Foundations ** (CC+)	CP	10-12	2	1.0	
3820	Engineering Models ** (CC+)	CP	10-12	2	1.0	

LIFE SCIENCE

Grade Level: 9
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This is the first course in the series of life science, physical science and earth science. This course will explore many aspects of the living world. The course is aligned with Ohio's Learning Standards in preparation for the end-of-course exam. Emphasis will be placed on laboratory experiences and on reading and writing skills in connection with science.

BIOLOGY (CP)

Grade Level: 9
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is a survey course in biology for freshman. Students will focus on several areas of biology including the cell and its functions, biochemistry, genetics, ecology, weather and current events in biology. In addition to class readings and discussions, students will participate in a variety of labs and other hands-on activities in order to gain knowledge of these subject areas.

BIOLOGY (H)

Grade Level: 9
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This is a fast-paced course that requires students to use critical thinking skills and apply them to classroom activities, lab experiences and discussions of current events. This is an introductory course in biology that will cover topics such as the cell structure and function, genetics, classification, diversity of life and selected topics in earth science. Students may be required to participate in the district science fair or complete an equivalent project.

AP BIOLOGY **

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Biology, Chemistry and teacher recommendation

Description:

AP Biology is equivalent to an introductory collegiate general biology course and is designed for those students who have a strong interest in the life sciences. This course includes advanced instruction of topics covered in Biology such as basic chemistry, cellular structure and function, genetics, evolution, ecology and classification. New topics include organic chemistry, membrane structure and function, molecular genetics and human biology. The goal of this course is to prepare students to take the Advanced Placement Biology Exam.

PHYSICAL SCIENCE (N)

Grade Level: 10
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This is the second course in the series of life science, physical science and earth science. This course will explore many aspects of the physical world. This course is aligned with Ohio's Learning Standards. Emphasis will be placed on the laboratory experiences and on reading and writing skills in connection with science.

PHYSICAL SCIENCE (CP)

Grade Level: 10
Course Credit: 1 credit, two semesters
Prerequisite: Math I and teacher recommendation

Description:

A college preparatory course intended for sophomores. This course is an overview of the physical sciences: chemistry, physics, earth and space science. Topics studied will include chemical elements, the Periodic Table, Newtonian physics and wave characteristics.

CHEMISTRY (CP)

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Math I, Math II and teacher recommendation

Description:

This is a course for the college-bound student covering basic chemical and laboratory theory. Chemistry is the study of the composition of our world from sugar and baking soda to propane and water. Topics covered include: elements, compounds, mixtures, chemical formulas and equations, energy changes, periodic law, chemical bonding, acids, bases and salts.

CHEMISTRY (H) *

Grade Level: 10
Course Credit: 1 credit, two semesters
Prerequisite: Math I, Math II and teacher recommendation

Description:

This is an advanced level first-year chemistry course for science-motivated students. Topics include identification of elements, compounds and mixtures, metric system, density, writing of chemical formulas and equations, stoichiometry, energy changes, gas laws, periodic law, chemical bonding, relationships between phases of matter, water solutions, ionization, acids, bases and salts. The course will emphasize college laboratory experiments, critical thinking and problem solving. A strong background in honors mathematics is essential.

AP CHEMISTRY **

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Math III, Chemistry and teacher recommendation

Description:

AP Chemistry is equivalent to an introductory collegiate general chemistry course and is designed to enable students to be successful on the Advanced Placement Examination in Chemistry. Students should expect extensive writing assignments and labs and more rigorous mathematical treatment of topics than in the first-year chemistry course. Many topics from the first-year chemistry course will be studied in more depth. New topics will include reaction kinetics, electrochemistry, non-ideal equilibria, complex equilibria and thermodynamics.

Students are required to attend and complete the necessary lab components of the course.

EARTH SCIENCE

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This is the third course in the series of life science, physical science and earth science. This course will explore a full range of topics in earth science. Emphasis will be placed on laboratory experiences and on reading and writing skills in connection with science.

ENVIRONMENTAL SCIENCE

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Biology, Chemistry or Physics and teacher recommendation

Description:

This course is an in-depth study of the relationship between humans and the environment in which we live. Students will study the use of natural resources, determine the impact of human activities on our world and develop strategies for restoring and protecting aquatic and terrestrial ecosystems. Students will study issues such as pollution, climate change, sustainable development and more through classroom and field labs as well as long term projects.

PHYSICS

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation
Co-Requisite: Math III

Description:

This course is designed as an overview of physics with less emphasis on mathematics than AP Physics I. A solid foundation in algebra and strong graphing skills are necessary. Topics studied include motion, forces, principles of work, energy and momentum, sound, light, atomic and nuclear physics, electricity and magnetism.

AP PHYSICS I **

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Chemistry and teacher recommendation
Co-Requisite: Honors Math III

Description:

AP Physics I is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, and power, and mechanical waves and sound. It also introduces electric circuits. This course helps students develop a deep understanding of the foundational physics principles through an inquiry-based instructional approach. This technique better prepares students for success in future work and study in the sciences.

AP PHYSICS II **

Grade Level:	12
Course Credit:	1 credit, two semesters
Prerequisite:	AP Physics I or AP Physics C Mechanics and teacher recommendation
Co-Requisite:	Math III (H) or above

Description:

AP Physics II is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics and atomic and nuclear physics. This course helps students develop a deep understanding of the foundational physics principles through an inquiry-based instructional approach. This technique better prepares students for success in future work and study in the sciences.

AP PHYSICS C: Mechanics **

Grade Level:	11, 12
Course Credit:	1 credit, two semesters
Prerequisite:	Chemistry and teacher recommendation
Co-Requisite:	Pre-Calculus

Description:

AP Physics C: Mechanics provides instruction in each of the following six content areas: kinematics, Newton's laws of motion, work, energy and power, systems of particles and linear momentum, circular motion and rotation and oscillations and gravitation. This course uses guided inquiry and student-centered learning to foster the development of critical thinking skills. Introductory differential and integral calculus are used throughout the course.

NUTRITIONAL BIOCHEMISTRY

Grade Level:	11, 12
Course Credit:	1 credit, two semesters
Prerequisite:	Chemistry and teacher recommendation

Description:

This course will provide students opportunities to study the chemical and biological effects of nutrition on the body as it relates to everyday life. Learning activities will also address specific lifestyle options such as athletics, vegetarianism and medical issues such as diabetes. Classroom work will engage students in a variety of independent and cooperative activities including research, case studies and lab experiences.

Biology for the Health Professions **

(CC+ option with the University of Cincinnati)

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Biology and Chemistry or Physics and teacher recommendation

Description:

This course centers on the study of anatomy (structure) and physiology (function) of the human body. All of the major systems of the human body will be studied from the chemical level to the system level. Investigations will include use of computer technology, laboratory work, dissections and projects.

ENGINEERING YOUR FUTURE **

(CC+ option with the University of Cincinnati)

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Math II and teacher recommendation

Description:

This course is designed to introduce the field of engineering and engineering technology as students explore technology systems and design processes. Students will use math, science, technology and writing to solve engineering problems. The course is primarily project-based and requires substantial participation by all students. The course also emphasizes team work, oral and written communication and the impact technology has on society. This course relies heavily on curriculum proposed by the engineering consortium, Engineering Your Future, maintained by the University of Cincinnati. Many of the lecture components of this course are provided by the University of Cincinnati. Students also have an opportunity to earn two (2) semester hours of dual credit through College Credit Plus.

Note: This course is an elective science credit. It does not satisfy core science graduation requirements.

ENGINEERING MODELS **

(CC+ option with the University of Cincinnati)

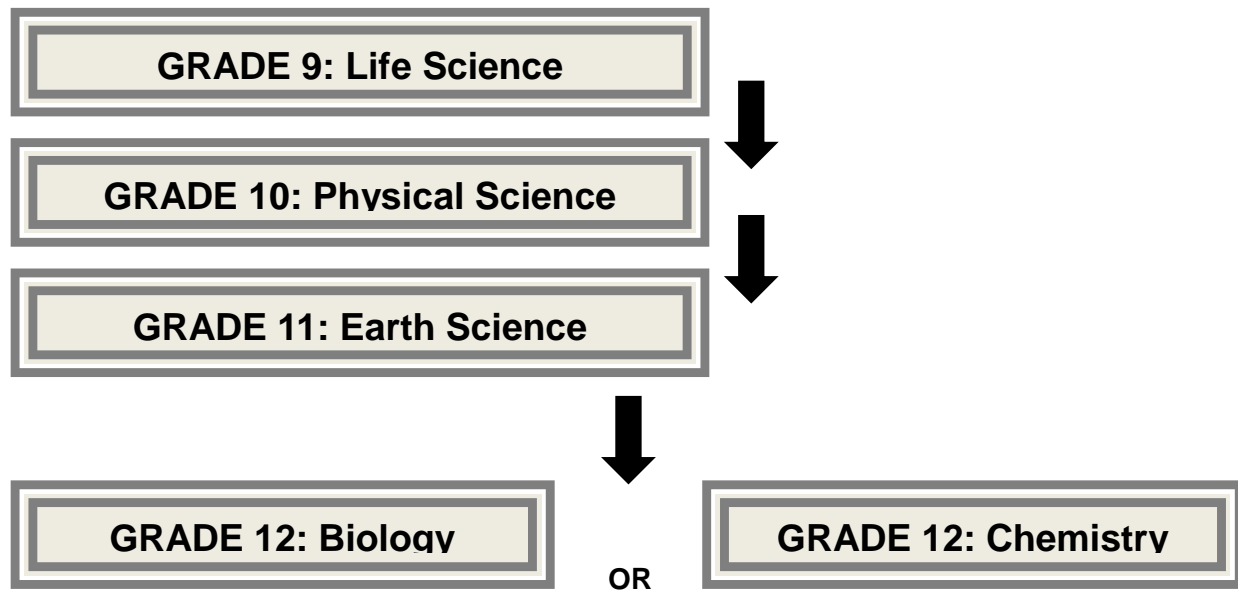
Grade Level:	10, 11, 12
Course Credit:	1 credit, two semesters
Prerequisite:	Math II and teacher recommendation
Co-Requisite:	Chemistry or above and Math III or above

Description:

Engineering Models will show how computer simulations can be used to expedite or replace the actual building of systems in a Challenge Based Learning classroom. MATLAB® will be the programming language learned because it is widely used by engineers in industry, academia, and research. In fact, it is the programming language learned by all incoming freshman engineering students at the University of Cincinnati. The Engineering Design Process will be utilized as students in this course solve problems that use knowledge from math, Physics, Chemistry, Biology and Engineering. A Capstone Project will be required. Students also have an opportunity to earn two (2) semester hours of dual credit through College Credit Plus.

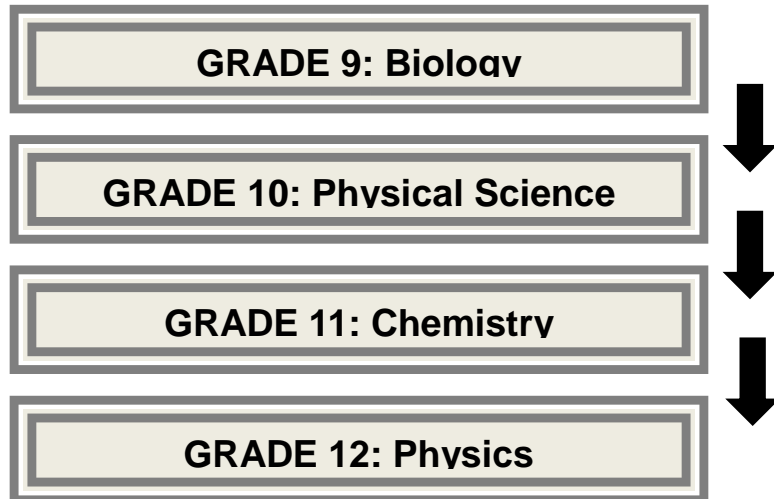
Note: This course is an elective science credit. It does not satisfy core science graduation requirements.

SCIENCE PROGRESSION GENERAL



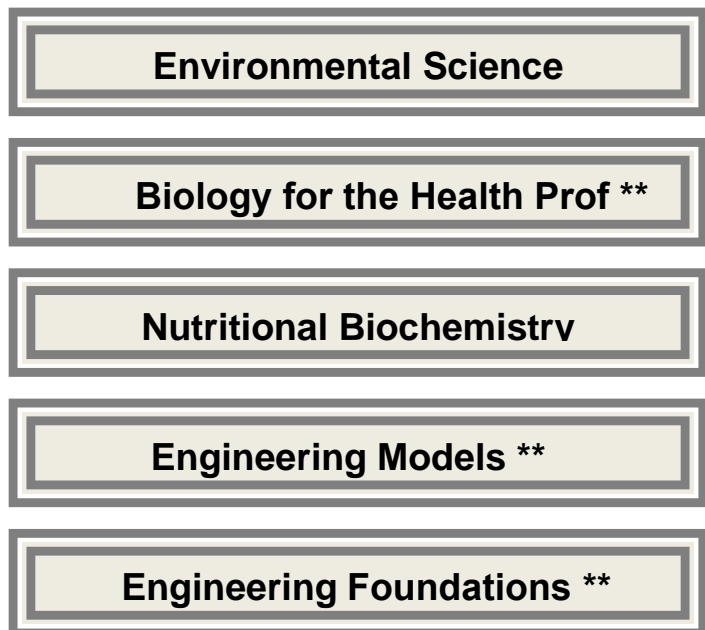
SCIENCE PROGRESSION

COLLEGE PREP



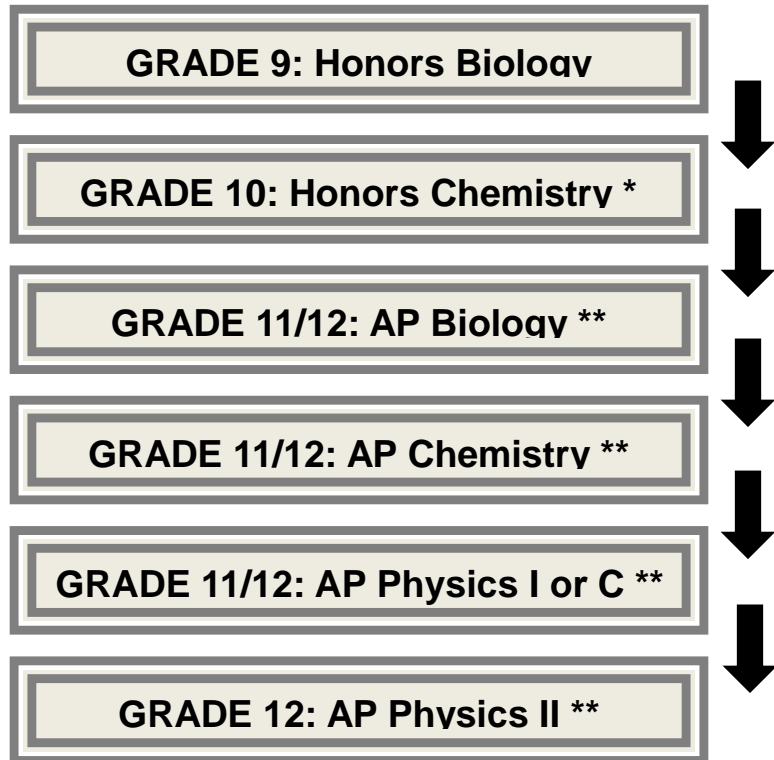
ELECTIVES

Electives can be taken at any time if prerequisites have been met.



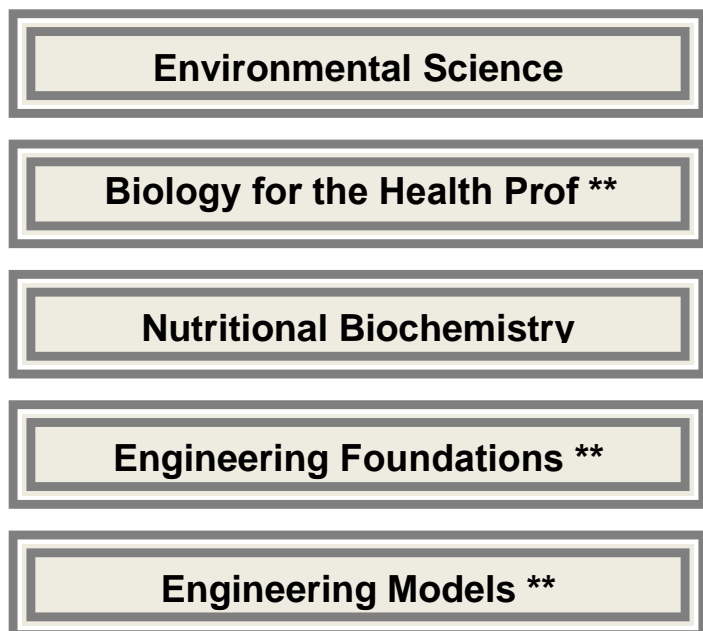
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SCIENCE PROGRESSION HONORS























ELECTIVES

Electives can be taken at any time if prerequisites have been met.



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SOCIAL STUDIES

Code	Course	Level	Grade	Semester	Credit	Career Pathway
4110	Modern World History	N	9	2	1.0	
4140	AP Human Geography **	AP	9	2	1.0	
4210	Modern U.S. History	N	10	2	1.0	
4240	AP U.S. History **	AP	10-12	2	1.0	
4311	Ancient Civilizations: The Pharaohs - Alexander the Great	N	11-12	1	0.5	
4312	Ancient Civilizations: Julius Caesar - Leonardo da Vinci	N	11-12	1	0.5	
4321	Iconic Leaders	N	11-12	1	0.5	
4322	Iconic Legends	N	11-12	1	0.5	
4340	AP European History **	AP	11-12	2	1.0	
4413	American Government	N	11-12	1	0.5	
4443	AP U.S. Government and Politics **	AP	12	1	0.5	  
4513	Social Psychology	N	11-12	1	0.5	  
4540	AP Psychology **	AP	11-12	2	1.0	  
4613	Economics	N	11-12	1	0.5	
4643	AP Macroeconomics **	AP	11-12	1	0.5	
4713	National Issues	N	11-12	1	0.5	  
4813	Sociology	N	11-12	1	0.5	  

MODERN WORLD HISTORY

Grade Level: 9
Course Credit 1 credit, two semesters

Description:

This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that lead to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

AP HUMAN GEOGRAPHY **

Grade Level: 9
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

The purpose of AP Human Geography is to introduce students to the skills and rigor of Advanced Placement coursework. AP Human Geography will introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students will also learn about the methods and tools geographers use in their science and practice. Upon successful completion of the course, students should have developed skills that enable them to:

- Use and think about maps and spatial data
- Understand and interpret the implications of associations among phenomena in places
- Recognize and interpret at different scales the relationships among patterns and processes
- Define regions and evaluate the regionalization process
- Characterize and analyze changing interconnections among places

MODERN U.S. HISTORY

Grade Level: 10
Course Credit: 1 credit, two semesters

Description:

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

AP U.S. HISTORY **

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is designed to provide superior students with a college level introductory U.S. history course. Use of analytical skills and factual knowledge is necessary to deal critically with the problems and materials in the course. Students will learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. This course will lead students to develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively to essay format. Students will be required to read selected works beyond the text. This course will prepare students to take the Advanced Placement exam. Summer reading is required.

Grade 11 students must take either: AP European History OR American Government and a semester of either Iconic Legends/Iconic Leaders or Ancient Civilizations/Ancient Civilizations.

ANCIENT CIVILIZATIONS: THE PHARAOHS - ALEXANDER THE GREAT

Grade Level: 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course will explore human history from the earliest civilizations through Alexander the Great. Topics will include the early river valley civilizations, the diversity of the African Continent, India and China and classical Greece and its legacy. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

ANCIENT CIVILIZATIONS: JULIUS CAESAR - LEONARDO da VINCI

Grade Level: 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course will explore human history from Ancient Rome through the rise of the Middle Ages. Topics will include the Ancient Roman world, the origins and empires of native America, the Middle East during ancient times and the Middle Ages Crusades and the creation of Western Europe. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

ICONIC LEADERS

Grade Level: 11, 12
Course Credit: 0.5 credit, one semester

Description:

Throughout mankind, the history of our world has been shaped by the words, beliefs and actions of individuals. Through an in-depth study of these people, we can better understand the political, social and/or economic impact they had on civilization and their legacy on future generations. The study of icons will be structured within the following categories: social activists, conquerors, sports figures, rights activists, business catalysts and the infamous. This class will foster a 21st century, student-centered classroom and will utilize a multitude of resources and assessments.

ICONIC LEGENDS

Grade Level: 11, 12
Course Credit: 0.5 credit, one semester

Description:

Throughout mankind, the history of our world has been shaped by the words, beliefs and actions of individuals. Through an in-depth study of these people we can better understand the political, social, and/or economic impact they had on civilization and their legacy on future generations. The study of icons will be structured within categories: politicians, military leaders, artists, religious leaders, thinkers and local leaders. This class will foster a 21st century, student-centered classroom and will utilize a multitude of resources and assessments.

AP EUROPEAN HISTORY **

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

This course is designed for superior students interested in social studies, who will study basic chronology and major events from 1450 to 1990 and ways that this information answers questions in the intellectual-cultural, political-diplomatic and social-economic history of Europe. Students will be required to discuss major themes in a broad perspective and write essays. Students will be required to read a college textbook and related-materials beyond the text. This course is based on the College Board requirements that will prepare the student to pass the Advanced Placement exam. Summer reading is required.

AMERICAN GOVERNMENT

Grade Level: 11-12
Course Credit: 0.5 credit, one semester

Description:

This semester course is taught primarily for senior students who maintain an average interest and ability in social studies. They may or may not be college-bound. The course includes a study of the organization and operation of the national, state and local governments. Topics to be studied are the three branches of federal government, state and local governments and current issues under the United States Constitution. **This course is required for graduation.**

AP U.S. GOVERNMENT AND POLITICS **

Grade Level: 12
Course Credit: 0.5 credit, one semester
Prerequisite: Teacher recommendation

Description:

This semester course is designed for students who have shown an interest in the study of government at the college level. It will include the study of general concepts used to interpret United States politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs and ideas that constitute U.S. political reality. Constitutional underpinnings of our government, political beliefs and behaviors, political parties and interest groups, institutions and policy processes of our national government and civil rights and civil liberties will be the major topics studied. This course will prepare students for the AP test. Summer reading required.

SOCIAL PSYCHOLOGY

Grade Level: 11, 12
Course Credit: 0.5 credit, one semester

Description:

This is a survey course designed to provide the student with a strong fundamental background in psychology that will be useful in everyday applications as well as in a college introductory psychology course. Major topics will include behavioral history, memory, intelligence, personality development, motivation, normal and abnormal behavior, states of consciousness and social psychology. Students will be assigned papers, projects and experiments throughout the semester.

AP PSYCHOLOGY **

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation

Description:

The AP Psychology 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. Students will also learn about the ethics and methods psychologists use in their science and practice.

ECONOMICS

Grade Level: 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course offers students an opportunity to become familiar with the fundamentals of the science of economics and the world's major economic "isms." Topics will include economic systems, supply and demand in the marketplace, factors of production, national and international financing and investments. This course is primarily designed for students planning to enter the field of business and for anyone wishing to gain an understanding of the practicality and reality of economics in everyday life. **This course meets the financial literacy requirement.**

AP MACROECONOMICS **

Grade Level: 11, 12
Course Credit: 0.5 credit, one semester
Prerequisite: Teacher recommendation

Description:

This course in macroeconomics is to provide students an understanding of the principles of economics that apply to an economic system as a whole. This AP macro course emphasizes the study of national income and price-level determination and will also develop student familiarity with economic performance measures, financial sector stabilization policies, economic growth and international economics. **This course meets the financial literacy requirement.**

NATIONAL ISSUES

Grade Level: 11, 12
Course Credit: 0.5 credit, one semester

Description:

This semester course is designed to follow current national events that are judged to have an important impact on the nation, its people and its history. Events for study are selected at the time of the course offering. Skills in reading, researching and reporting in written and oral presentations are required. Geographic knowledge of the world and statistical understanding of polls, graphs and charts should be well developed by students before enrolling in this course. A subscription to a weekly news magazine such as Time, Newsweek, or U.S. News and World Report is required.







SOCIOLOGY

Grade Level: 11, 12
Course Credit: 0.5 credit, one semester

Description:

This semester course will engage students in a brief overview of the field of sociology. This will include a description of the origins of the subject itself and will challenge students to view life through the sociological perspective. This perspective encourages students to see how people, including themselves, are shaped by societal forces. Various cultures across time and space will be compared and contrasted, and their cultural norms and folkways will be dissected. The three primary sociological theories will be explored in depth and applied to various topics throughout the course. Other topics that receive significant attention include societal inequalities, deviance and the construction of societal roles.

TEACHING PROFESSIONS

Code	Course	Level	Grade	Semester	Credit	Career Pathway
6810	Theory of Teaching and Learning	N	11-12	2	1.0	 
6820	Teaching and Learning Field Experience	N	12	2	1.0	 
6830	Teaching and Learning Portfolio Preparation *	H	12	2	1.0	 

THEORY OF TEACHING AND LEARNING

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Application and Interview

Description:

Theory of Teaching and Learning is the first level course in the two-year Teaching Professions Academy Program. This course is designed for the student who enjoys working with children through the teaching and learning process. Students will utilize technology to prepare presentations and portfolio documents. Field trips to different school buildings and colleges will be incorporated into classroom activities. Guest speakers from educational institutions will present current theory and practice. Students will be enrolled in the school's chapter of Educators Rising. This program is designed to support the student's postsecondary Teaching Professions Academy career major. In this course, students will be introduced to the following: orientation to teaching professions, understanding the learner, communication skills, teaching strategies in the learning environment, assessing teaching and learning and professional development.

TEACHING AND LEARNING FIELD EXPERIENCE

Grade Level: 12
Course Credit: 1 credit, two semesters
Prerequisite: Theory of Teaching and Learning and concurrent enrollment in Honors Teaching and Learning Portfolio Preparation.

Description:

Teaching and Learning Field Experience is one of two second level courses in the two-year Teaching Professions Academy Program. In this course, students will receive instruction to successfully observe and begin practicing the principles of teaching and learning by completing internships with mentor teachers in the primary, intermediate, middle and high school levels. Students will develop 21st century skills directly related to success in college and in professional settings. Visits to colleges with education programs will be incorporated into the program. Students will be encouraged to enroll in the school's chapter of Educators Rising. This program is designed to support the student's post-secondary Teaching Profession career major.





















TEACHING AND LEARNING SENIOR PORTFOLIO PREPARATION *

Grade Level: 12
Course Credit: 1 credit, two semesters
Prerequisite: Theory of Teaching and Learning and concurrent enrollment in Teaching and Learning Field Experience.

Description:

Teaching and Learning Portfolio Preparation is one of two second level courses in the two-year Teaching Professions Academy Program. In this course, students will receive instruction and support as they develop the capstone portfolio project. Emphasis will be placed on developing college level writing and revision skills while utilizing technology. Upon successful completion of the portfolio and achieving a passing score of 85% students will have the opportunity to earn college credit at participating two and four year colleges.

TECHNOLOGY AND COMPUTER SCIENCE

Code	Course	Level	Grade	Semester	Credit	Career Pathway
8110	Survey of Technology	N	9-12	2	1.0	  
8210	Engineering Drawing	N	9-12	2	1.0	
8310	Architectural Drawing	N	9-12	2	1.0	
8413	Information Technology Concepts	N	9-12	1	0.5	
8410	Computer Networking I	N	10-12	2	1.0	
8420	Computer Networking II	N	11-12	2	1.0	
8513	Essential Computing and Web Tools	N	9-12	1	0.5	   
8613	Programming	N	9-12	1	0.5	
8520	Advanced Studies in Computer Science	CP	12	2	1.0	
8640	AP Computer Science Principles **	AP	10-12	2	1.0	
8540	AP Computer Science **	AP	11-12	2	1.0	   
8713	Technology Internship	N	9-12	1	0.5	

SURVEY OF TECHNOLOGY

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters

Description:

This course is an introduction to the technological infrastructures that impact our lives. Students will examine four major areas of technology involving communications, manufacturing, construction and transportation and will complete many hands-on activities. The course is designed both to explore how things work and to explore possible vocational and career opportunities. Student projects may include, but are not limited to, taking apart and studying the hardware in computers and learning to draw on a computer. Projects may also include, but are not limited to, designing model bridges using computer simulation and then fabricating and testing them with weights, studying transportation systems and building gas propelled model race cars to study engineering principles. Students will have the opportunity to design and build a woodworking project.

ENGINEERING DRAWING

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters

Description:

This course is an exploration of technical drawing and design and appeals to students interested in engineering, manufacturing or design. Students will develop critical-thinking and problem-solving skills and learn how to create computer-assisted drawings using a CADD program. Students will go through the design process and may test some of their designs through prototypes and models.

ARCHITECTURAL DRAWING

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters

Description:

This course is an exploration of architecture and architectural design and is intended for anyone interested in learning how structures are designed and built. It is planned for students with a possible interest in architecture or construction technology careers. Students will learn the principles involved in architectural design, with an emphasis on residential architecture and to develop their own designs. Students will also learn to draw designs and various views of structures using a CADD program. Students may also make models of their designs.

INFORMATION TECHNOLOGY CONCEPTS

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, two semesters

Description:

This course covers the fundamentals of computer hardware, software and networking. Students will study the internal hardware components of a computer, operating system basics, common cloud software applications, computer networking, wireless technologies and individual and network security, along with other current Information Technology (IT) topics. The course explores additional IT educational options and various IT careers.

COMPUTER NETWORKING I

(CISCO Networking Academy)

Grade Level: 10, 11, 12

Course Credit: 1.0 credit, two semesters

Description:

This is the first year of the CISCO Networking Academy program. This course provides general networking knowledge, opportunities for career exploration and soft-skills development. The curriculum teaches networking based on application by covering network environments students may encounter in their daily lives - from small office and home office (SOHO) networking to larger enterprises and theoretical networking models later in the curriculum. The course is designed for students with basic PC skills and foundational math and problem solving skills. The curriculum encourages students to consider additional IT (Information Technology) education.

COMPUTER NETWORKING II

(CISCO Networking Academy)

Grade Level: 11, 12

Course Credit: 1 credit, two semesters

Prerequisite: Computer Networking I and teacher recommendation

Description:

This is the second year of the CISCO Networking Academy program. The concepts learned in the first course are continued in depth, along with more concepts on networking design, especially related to Wide Area Networks (WAN's). Upon successful completion of the second two semesters, students earn global-industry credit with CISCO as well as their high school credit. Students also qualify to register for the industry exam. Students can earn their CISCO Certified Networking Associate (CCNA) credentials when passing this exam. An additional fee is required for the industry certification exam. This course is open to juniors and seniors who have successfully completed Computer Networking I.

ESSENTIAL COMPUTING AND WEB TOOLS

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester

Description:

This course is designed for the student who wants more expertise in using application software for both academic and future-ready pursuits. Students will master a variety of important applications and create personal projects in a collection of current software programs including business software (spreadsheets, forms and presentations), web design (CSS, Javascripts and HTML5) and digital multimedia (pictures, music and movies.) This is the kind of software most likely needed in college, the business world and social media. In addition, we will learn to code our own computer games and have opportunities to discuss modern topics as they arise (e.g. GPS, virtual reality, robotics, 3D modeling.)

PROGRAMMING

Grade Level: 9, 10, 11, 12
Course Credit: 0.5 credit, one semester
Prerequisite: Math I (CP or H) and teacher recommendation

Description:

This semester long course is an introduction to computer programming and is open to all students. It covers the fundamental ideas of programming including screen design, user interfaces, decision branching, repetition, subroutines and establishing good overall coding habits. Students create modern looking programs with text boxes, buttons, drop-down menus, graphics and sounds. Emphasis will be on creating fun and interesting applications and the basics of game design.

ADVANCED STUDIES IN COMPUTER SCIENCE

Grade Level: 12
Course Credit: 1 credit, two semesters
Prerequisite: AP Computer Science and teacher recommendation

Description:

This course will be tailored to meet the needs of the students. If there is enough interest, a traditional teacher-led course could be offered. If not, then an Independent Study program would be set up. The student would have to be self-motivated and would be responsible for the development of the tasks and assessments. Topics might include robotics, virtual worlds, internet programming, Java GUI applets, gaming, advanced data structures, etc. Students could even suggest a topic they want to study.

AP COMPUTER SCIENCE PRINCIPLES **

Grade Level:	10, 11, 12
Course Credit:	1 credit, two semesters
Prerequisite:	Math I and English 9

Description:

Computing and Computer Science (CS) are helping to shape and change our world. CS Principles is designed to introduce students to the central topics of computing and CS, to instill ideas and practices of computational thinking and to have students engage in activities that use technology to address real-world problems and build relevant solutions. In this course, students will learn how to access the world of mobile services and applications as creators, not just consumers. They will learn to create entertaining and socially useful apps that can be shared with friends and family. In addition to learning to program and how to become better problem solvers, students will also explore the exciting world of computer science from the perspective of mobile computing and its increasingly important effect on society. This course is part of a national project through the College Board and National Science Foundation.

AP COMPUTER SCIENCE **

Grade Level	11, 12
Course Credit	1 credit, two semesters
Prerequisite:	Programming or AP CS Principles and teacher recommendation

Description:

The goals of the AP Computer Science course are comparable to those of a first-year course offered in college and university computer science departments. The course is intended to serve both as an introductory course for computer science majors and as a substantial elective course for people who will major in other disciplines that require significant involvement with computing. The content is consistent with the curricular recommendations of the AP College Board.

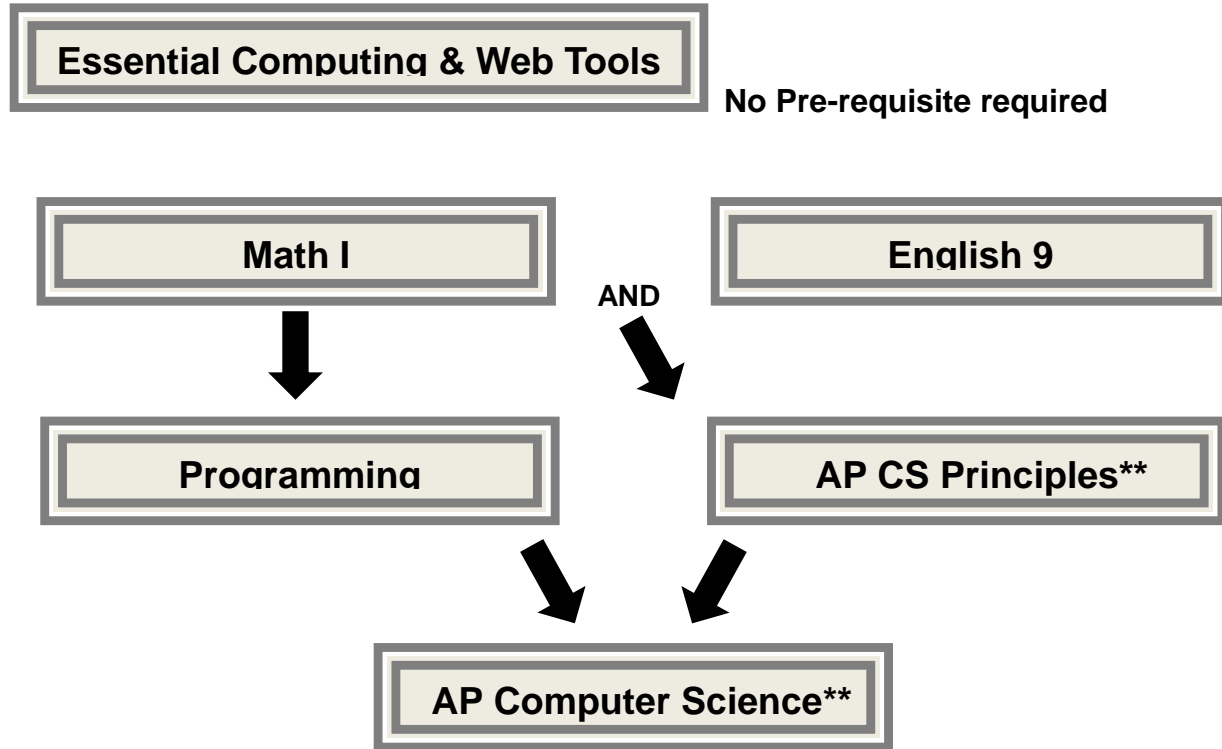
TECHNOLOGY INTERNSHIP

Grade Level:	9, 10, 11, 12
Course Credit:	0.5 credit, one semester

Description:























































This internship is a hands-on program in technology repair and integration into the educational setting to support and enhance the classroom curriculum. Students will work with staff and peers assessing a variety of technical issues and supporting the use of district endorsed software as well as investigating emerging technologies that teachers and students might be interested in using for teaching and learning.

COMPUTER SCIENCE PROGRESSION



**** 0.025 WEIGHT * 0.0125 WEIGHT**

WORLD LANGUAGES

Code	Course	Level	Grade	Semester	Credit	Career Pathway
5110	Mandarin I	CP	9-12	2	1.0	   
5120	Mandarin II	CP	9-12	2	1.0	   
5130	Mandarin III	CP	10-12	2	1.0	  
5210	German I	CP	9-12	2	1.0	   
5220	German II	CP	9-12	2	1.0	   
5230	German III	CP	10-12	2	1.0	  
5240	Advanced German Civilization and Literature *	H	11-12	2	1.0	
5250	Advanced German Conversation and Structure *	H	11-12	2	1.0	  
5310	Spanish I	CP	9-12	2	1.0	   
5320	Spanish II	CP	9-12	2	1.0	   
5330	Spanish III	CP	10-12	2	1.0	  
5340	Advanced Spanish Conversation and Structure *	H	11-12	2	1.0	  
5350	Advanced Spanish Civilization and Literature *	H	11-12	2	1.0	
5410	Latin I	CP	9-12	2	1.0	   
5420	Latin II	CP	9-12	2	1.0	   
5430	Latin III	CP	10-12	2	1.0	  
5440	Advanced Latin Civilization and Literature: Prose *	H	11-12	2	1.0	
5450	Advanced Latin Civilization and Literature: Poetry *	H	11-12	2	1.0	

A NOTE TO STUDENTS: At all levels of study, the teacher uses the target language extensively and encourages the students to do so. In addition, the teacher provides opportunities to communicate in the target language in meaningful and purposeful activities that simulate real-life situations. Activities that develop skills enable students to participate successfully. Time devoted to listening, speaking, reading and writing is appropriate to course objectives and to the language skills of students. Culture is systematically incorporated into instruction which enables students to develop positive attitudes toward cultural diversity.

The teacher uses explicit error correction in activities that focus on accuracy and implicit or no error correction in activities which focus on communication. The teacher also establishes an effective climate in which the students feel comfortable taking risks.

Prerequisites:

All first year world languages require a C+ average in College Prep or higher English, and/or a recommendation from the student's English teacher and a strong background in grammar. For a student to advance to the next year of a world language, the student must have at least a C+ in the world language and the teacher's recommendation.

To be successful in a world language, a student must be willing to study daily, complete daily homework assignments and memorize vocabulary.

Note: World Languages are taught sequentially. Students must complete each level with a passing grade of "C+" or better before enrolling in the next level. Each course offers one credit. A student who has successfully completed level one in the middle school may enroll in level two in the 9th grade. Students should expect to have daily homework.

Level I

Grade Level: 9, 10, 11, 12

Course Credit: 1 credit, two semesters

Prerequisite: English teacher recommendation or World Language department chair recommendation

Description:

In level I, the students are introduced to culture, basic vocabulary, grammar and pronunciation which are keys to building a foundation in reading and speaking. The curriculum includes basic communicative skills in listening, speaking, reading and writing. Courses which are recommended for 9th grade students or older that read and perform language arts skills on or above grade level.

German I
Spanish I
Latin I
Mandarin I

Level II

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Level I and teacher recommendation

Description:

In level two, the students will continue to develop the skills learned in the first year. The emphasis is on developing a broader range of vocabulary and more complex sentence structure. Students who have successfully completed level I or who have demonstrated proficiency as determined through a language proficiency test or through teacher recommendation are eligible to take this course.

German II
Spanish II
Latin II
Mandarin II

Level III

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Level II and teacher recommendation

Description:

Level three is recommended for students who are motivated to move beyond the standard levels of language learning. This year involves extensive use of the language to further develop skills in writing, reading, listening and speaking. Students will be expected to use the language and practice communicating in spoken and written forms. Prerequisites are a successful completion of C+ or better in levels one and two. This course is recommended for college-bound students who plan to take university placement tests in a foreign language. Successful completion of this course is one of the requirements for an Ohio Honors Diploma.

German III
Spanish III
Latin III
Mandarin III

Advanced languages are for students who are motivated to continue the study of languages. These honors courses are designed to help prepare students for university placement tests. Many university world language departments offer placement test options for all students which may allow them to test out of lower level language requirements and for which they may receive university credit.

Prerequisite: Teacher recommendation. College textbooks are used.

Advanced German Conversation and Structure *	(offered 2016-2017)
Advanced German Civilization and Literature *	(offered 2017-2018)
Advanced Latin Civilization and Literature: Poetry *	(offered 2016-2017)
Advanced Latin Civilization and Literature: Prose *	(offered 2017-2018)
Advanced Spanish Conversation and Structure *	(offered yearly)
Advanced Spanish Civilization and Literature *	(offered yearly)

GERMAN

Advanced German Civilization and Literature * provides students with opportunities to study current topics and culture in German-speaking countries. Students will read excerpts of plays and literature from these countries. Radio plays and films will be used to improve their listening comprehension. A more structured review of grammar will be done throughout the year.

Advanced German Conversation and Structure * provides students with opportunities to develop all language skills. Students will read and give reports about historical events, music, and literature that are being studied in class. Students will concentrate on increasing their oral and written proficiency in the language.

SPANISH

Advanced Spanish Conversation and Structure * provides students with an opportunity to speak, read, and write in Spanish as the class focuses on authentic Spanish materials. Students will systemically review grammar structures and expand vocabulary to increase effectiveness in communication.

Advanced Spanish Civilization and Literature * will emphasize the analysis of Hispanic literature and art with a focus on historical and cultural background. Students will read well known Spanish literature including novels, short stories, plays and poems.

LATIN

Advanced Latin Civilization and Literature: Prose * continues to develop students' writing and reading skills through exposure to authentic literature with an emphasis on prose. The curriculum includes selections of Caesar, Cicero, Livy, Pliny, and others.

Advanced Latin Civilization and Literature: Poetry * will continue to develop students' skills through exposure to authentic literature with an emphasis on poetry. The curriculum includes sections of Vergil, Horace, Catullus, Ovid and others.