



Forest Hills
School District

ENGAGE • EMPOWER • EXCEL



FOREST HILLS SCHOOL DISTRICT

Course Guide 2019-2020



Turpin High School
2650 Bartels Road
Cincinnati, OH 45244
Tel: 513.232.7770
Fax: 513.232.9047

Principal
David Spencer

Associate Principal
Brian Lee

Assistant Principals
Camey Eberhard
Nathan Dumford

Athletic Director
Tony Hemmelgarn

Counselors
Nancy Aniskovich (A-G)
Amy Wiginton (H-O)
Clint Nagel (P-Z)
Cindy Brittingham
(Special Programs)

Department Chairs
Art - Rod Vesper
Counseling - Nancy Aniskovich
Health/PE - Jamie Harloff
Language Arts - John Polivka
Band- Joe Wesche
Mathematics - Donna Mechley
Science - Corey Mullins
Social Studies - Rob Stoll
World Languages - Laura Martinez

AHS/THS 2019-2020 Course Guide



Anderson High School
7560 Forest Road
Cincinnati, OH 45255
Tel: 513.232.2772
Fax: 513.232.2295

Principal
Rob Fellows

Assistant Principals
Kyle Fender
David Kammerer
Emily Stanyard

Athletic Director
Chris Newton

Counselors
Lateef Johnson (A-D)
Chris DeLottel (E-K)
Carol Terwillegar (L-R)
Amy Maxwell (S-Z)

Department Chairs
Art - Mary Broxterman
Choral Music: Michelle Burkey
Counseling – Carol Terwillegar
Health/PE - Debbie Gallagher
Language Arts - Cynthia Deatherage
Mathematics - Tonya Herron
Orchestra/Strings– Jessica Cox
Science – Emily Dorsey
Social Studies - William Meltebrink
World Languages – Ella Campos

TABLE OF CONTENTS

CLICK TO ADVANCE TO
SECTION

ABBREVIATIONS USED IN COURSE LISTING	5
PLANNING YOUR PROGRAM OF STUDY	5
STUDENT RESPONSIBILITIES.....	5
GRADUATION REQUIREMENTS.....	6
CREDITS FOR GRADUATION	8
DIPLOMA WITH HONORS	9
COMMENCEMENT	10
EARLY GRADUATION	11
EXEMPTION TO THE PHYSICAL EDUCATION GRADUATION REQUIREMENT	21
IMPACT ON OVERALL GRADUATION REQUIREMENTS	21
SUCCESSFUL COMPLETION OF A SEASON.....	21
RECOGNIZED ACTIVITIES.....	21
GRADE LEVEL PLACEMENT	9
GREAT OAKS CAREER CAMPUSES REQUIREMENTS.....	9
COLLEGE PREPARATORY COURSE OF STUDY.....	9
LEVELS IN ACADEMIC CLASSES.....	10
GRADE POINT AVERAGE	11
WEIGHTED COURSE POLICY.....	12
ADVANCED PLACEMENT	13
COLLEGE CREDIT PLUS.....	14
CREDIT FLEXIBILITY.....	16
HIGH SCHOOL CREDITS FOR COURSES TAKEN IN EIGHTH GRADE.....	17
SCHEDULE CHANGES.....	17
CHEATING OR PLAGIARIZING.....	18
FAILURE TO COMPLETE COURSE REQUESTS.....	18
REPEATING A FAILED SUBJECT.....	18
CREDIT RECOVERY.....	18
ATHLETIC ELIGIBILITY.....	19
FALL SPORTS ELIGIBILITY	19
COURSE FEES	19
AUDITING A COURSE	19
COLLEGE ADMISSIONS.....	20
CLASS SIZE AND COURSE AVAILABILITY.....	20
CAREER PATHWAYS.....	22
GOALS OF CAREER PATHWAYS	22
SAMPLE STUDENT SCHEDULE	25
BUSINESS.....	26
COLLEGE AND CAREER READINESS	32
ENGLISH LANGUAGE ARTS	33
FAMILY AND CONSUMER SCIENCES.....	42

FINE ARTS – FILM	45
FINE ARTS – MUSIC	47
FINE ARTS – VISUAL ARTS	53
FINE ARTS – THEATRE	61
MATHEMATICS.....	63
PHYSICAL EDUCATION	68
SCIENCE	73
SOCIAL STUDIES	84
TEACHING PROFESSIONS.....	91
TECHNOLOGY AND COMPUTER SCIENCE.....	94
WORLD LANGUAGES	99

All new courses are pending board approval.

ABBREVIATIONS USED IN COURSE LISTING

AP	Advanced Placement
CP	College Preparatory Class
H	Honors Class
TR	Teacher Recommendation
N	Non-leveled Class
CCP	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.

GRADUATION REQUIREMENTS

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
English 10

Math I
Math II

American Government
US History

Biology

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: 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.

SUBJECTS	ACT Test(s)	SAT Tests
English Language Arts	Reading 22 (Reading 21 for students enrolled before 7/1/2014) English 18	Reading 450 Writing 430
Mathematics	Math 22	Math 520

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.

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 in Ohio are available on the Ohio Department of Education website. For more information, please contact your counselor.

Click [HERE](#) for more information from ODE on Honors Diplomas

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.

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

Students in the Forest Hills School District in grades 9-12 who successfully complete (as determined by sponsor, coach, Athletic Director) 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.**

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	
Track	Volleyball	Wrestling	Tennis	

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, Honors Modern World History or AP Human Geography 1 unit of U.S. History or AP U.S. History 0.5 unit of American Government or AP U.S. Government and Politics 1.0 unit from two of the following: <i>Modern America, WWII, World Cultures, Social Psychology, AP Macroeconomics, or Sociology</i> OR 1.0 unit one of the following: <i>AP European History, AP Psychology, or AP Human Geography</i>	3.5
Health	0.5
Physical Education Must include 0.25 unit of Physical Education *see PE Waiver information	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, 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 may include any combination of remaining courses.	6.5
Total	22.0

ACADEMIC POLICIES AND PROCEDURES

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 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. See the Credit Recovery section of the course guide for more information.

COLLEGE PREPARATORY COURSE OF STUDY

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

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.

College Credit Plus (CCP): College Credit Plus courses are taught on the college level. Students have the opportunity to earn college credit for their work in these courses.

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.

GRADE POINT AVERAGE

Forest Hills utilizes a 4.0 grade point average (GPA) calculation. Semester grades in all courses earning letter grades are used to determine a student's GPA. Weighted GPA is calculated with an additional 1.0 for AP/CCP courses (for a potential 5.0) and an additional 0.5 for Honors/Pre-AP courses (for a potential 4.5). Please refer to the following tables for specific calculations.

Unweighted GPA		
Grademarks		
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

Weighted GPA			
Grademarks		Honors	AP/CCP
A+	97-100%	4.5	5.0
A	93-96%	4.5	5.0
A-	90-92%	4.2	4.7
B+	87-89%	3.8	4.3
B	83-86%	3.5	4.0
B-	80-82%	3.2	3.7
C+	77-79%	2.8	3.3
C	73-76%	2.5	3.0
C-	70-72%	2.2	2.7
D+	67-69%	1.3	1.3
D	65-66%	1.0	1.0
F	0-64%	0.0	0.0

The grades of students who are new to the Forest Hills School District will be converted to this system. Individual circumstances may vary. See the school counselor or an administrator with questions.

Note: College Credit Plus courses are weighted according to the highest weight offered in the corresponding FHSD content department as required by the state of Ohio.

EDUCATIONAL OPTIONS:

Students may earn credits through Advanced Placement, College Credit Plus, and Credit Flexibility as defined below.

A. ADVANCED PLACEMENT (AP)

Advanced Placement (AP) courses are college-level courses offered to high school students. These courses which are offered through the CollegeBoard give students to the opportunity to earn college credit and/or qualify for more advanced courses when they begin college. To earn college credit for an AP class, students must take and pass the corresponding Advanced Placement test. These tests are scored on a range of 1-5, with 5 being the highest possible score. A score of 3 is considered passing.

B. COLLEGE CREDIT PLUS (CCP)

College Credit Plus (CCP) 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. CCP replaces PSEO (Post- Secondary Education Option) and redefines dual enrollment programs as advanced standing programs. There is no financial obligation for the student to participate in CCP when the student is enrolled in a public college or university.

Students must meet with a counselor or attend an informational meeting, complete an Intent to Participate, and submit this form to the school counselor no later than March 31, 2019 in order to be considered for eligibility for the 2019-2020 school year. **The form must be completed by students with any interest in CCP, including those interested in CCP courses offered on the FHSD campus.** Interested students and parents should contact a school counselor for additional information.

FHSD Course Name	FHSD Course Code	Institute of Higher Education	IHE Course Code	University Credit	High School Availability
Pre-Calculus**	2430	University of Cincinnati	MATH1026	5	AHS & THS

COLLEGE CREDIT PLUS (CCP) 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

C. 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

FHSD Credit Flex Information

HIGH SCHOOL CREDITS FOR COURSES TAKEN IN EIGHTH GRADE

All students who successfully complete a world language course or Math I or Math II 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 the deadline.

After May 1, the teacher, counselor, parent, and administrator will discuss, and the school team will decide whether the student has been placed in the wrong course.

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

Below are examples of reasons a schedule may be altered:

- 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 allowsthe 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.)

Note: Students interested in taking more than 4 AP courses in a single semester should meet with a counselor and administrator to ensure that a rigorous schedule with more than 4 AP courses is in the best interest of the student.

*Note: After 10 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 May 1.

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:

- Enroll in the Forest Hills School District summer school program.
- Retake the course during the regular school year.
- 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 15 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:

- Have been enrolled in a high school or a middle 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. Students must have maintained a 1.7 GPA. A student enrolled in grade 9 during the first grading period (after advancement from 8th grade) must have passed a minimum of five (5) classes carried from the preceding grading period 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 of a range of fees that may be assessed. 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, GPA, courses taken and the scores earned on college admission tests, such as the SAT and ACT. Some schools also require SAT II (subject test.)

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.

Seniors should select a challenging grade 12 program. 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 Counseling Office. In addition, seniors should select a challenging grade 12 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 including Chemistry and Physics, 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 arts.

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 2019-2020 school year.

STUDENT PATHWAYS

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: (Click [HERE](#) for more information)

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 extend 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.

A CAREER PATHWAYS TEMPLATE

Three 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.

SAMPLE STUDENT SCHEDULE

Grade	English	Math	Science	Social Studies			Other
9	English 9	Math I	Biology	Modern World History	World Language I		Health Physical Education
	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	Government and 0.5 Social studies Elective			
12	English 12	Math Elective		0.5 Social Studies Elective			

4 year Course Planning Chart

*When planning, make sure you've added up the credits in the rightmost column.
Also include the required courses below the chart.*

	9th grade	10th grade	11th grade	12th grade	Total Credits
English	English 9	English 10	English 11	English 12	____ (4 needed)
Math					____ (4 needed)
Science (some classes are 0.5 credit, some are 1 credit)	Biology	Physical Science or Chemistry			____ (3 needed)
Social Studies (some classes are 0.5 credit, some are 1 credit)	World History or AP Human Geography	US History	Government <u>and</u>		____ (3.5 needed)
World Language					
Electives (classes are .25, .5, or 1.0 credit)	- - - -	- - - -	- - - -	- - - -	____
Grand Total:					____ (22 needed)

Electives required for graduation

- Health (Summer School is an option)
- 2 PE courses (Summer School is an option)
- Financial Literacy (several options in course guide)
- Visual or Performing Arts (anytime in grade 7-12)

Courses that colleges/universities want to see

- At least 2 years of World Language (3 for selective colleges)
- Visual or Performing Arts
- Chemistry and Physics

BUSINESS

Code	Course	Level	Grade	Semesters	Credit	Career Pathways
6013	Personal Finance	N	9-12	1	0.5	   
6013D	Personal Finance (online)	N	10-12	1	0.5	   
6113	Introduction to Business	N	9-12	1	0.5	   
6213	Entrepreneurship	N	10-12	1	0.5	   
6410	Business Management I	CP	11-12	2	1	
6420	Business Management II	CP	12	2	2	
6713	Marketing Principles	N	9-10	1	0.5	 
6710	Marketing I	N	11-12	2	1	 
6720	Marketing II-Marketing, Management and Entrepreneurship	N	12	2	2	 

PERSONAL FINANCE

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

Description:

This semester long course is designed to help students discover new ways to maximize their learning 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.**

Fee: \$5-\$15

PERSONAL FINANCE (ONLINE)

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

Description:

This is a fully online course. Students will have regular opportunities to meet with the teacher for assistance and progress checks. Regular due dates for work completion will be set by the teacher that coincide with the regular grading periods. Students in this

online course will experience the same content as the face-to-face course but with the added flexibility of individualized learning. 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. **Fee: \$5-\$15**

This course fulfills the financial literacy graduation requirement.

ENTREPRENEURSHIP

Grade Level: 10, 11, 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 MANAGEMENT I

Grade Level: 11, 12
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.**
Fee: \$15-\$25

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. **Fee: \$15-\$25**

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, 11, 12
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. **This course fulfills the financial literacy graduation requirement.**

Fee: \$5-\$15

MARKETING PRINCIPLES

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

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**

This course will be held at Anderson High School.

MARKETING I

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Students must apply and interview with teacher prior to admission

Description:

Marketing I is 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. Students may 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.**

This course will be held at Anderson High School. THS students have the opportunity to take this course at AHS.

Fee: \$10-\$20

MARKETING II-MARKETING, MANAGEMENT AND ENTREPRENEURSHIP

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

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.

This course will be held at Anderson High School.

Fee: \$10-\$20

COLLEGE AND CAREER READINESS

Code	Course						Career Pathway
6523	College and Career Readiness: Charting Your Course for the Future	N	10-12	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, learn interview techniques and financial planning. Students will explore 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	Semesters	Credit	Career Pathways
1110	English 9	N	9	2	1.0	
1120	English 9	CP	9	2	1.0	
1130	English 9 Honors*	H	9	2	1.0	 
1210	English 10	N	10	2	1.0	
1220	English 10	CP	10	2	1.0	
1230	English 10 Honors*	CP	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	   
1420	CP English 12 (AHS Only)	CP	12	2	1.0	
1440	AP English: Literature and Composition**	AP	11-12	2	1.0	 

THS Selective Choices for English 12 (choose 2 of 7 if not taking CP English 12)

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	Media Literacy	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.

Fee: \$9-\$19

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.

Fee: \$9-\$19

ENGLISH 9 HONORS *

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 Honors and AP courses at the 11th and 12th grades.

Fee: \$9-\$19

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.

Fee: \$9-\$19

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.

Fee: \$9-\$19

ENGLISH 10 -HONORS*

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.

Fee: \$9-\$19

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.

Fee: \$9-\$21

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.

Fee: \$9-\$21

AHS ENGLISH 12 (CP)

Grade Level: 12
Course Credit: 1 credit, two semesters

Description:

This course offering consists of an exploration of four genres (Mystery & Horror, Nonfiction, Fantasy, and Banned Books). The first semester will include a focus on expository writing. The second semester will focus on interpersonal communication (speech).

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

Fee: \$2-\$12

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.

Fee: \$3-\$22 + fee for AP Exam

AP ENGLISH: LITERATURE AND COMPOSITION **

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

Description:

This course is offered to honors-level students who have superior ability and interest in literature. Students 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, or CP English 12 (AHS only), 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 English 12 requirement. **Fee: \$9-\$21 + fee for AP Exam**

THS Selective Choices for English 12

Selective Choice 1: 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 as 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 discuss mature content such as adult language, sexual content and violence, parental consent is required.

Fee: \$4-\$9

Selective Choice 2: 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. **Fee: \$4-\$9**

Selective Choice 3: 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.

Selective Choice 4: 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. **Fee: \$4-\$9**

Selective Choice 5: 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.

Fee: \$4-\$9

Selective Choice 6: NON-FICTION: EXTRAORDINARY LIFESTORIES

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. **Fee: \$4-\$9**

Selective Choice 7: 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.

Fee: \$4-\$9

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.

Fee: \$5-\$13

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.

MEDIA LITERACY

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

Description:

With the world of technology changing so quickly, developing media literacy is essential to creating strong, current, critical thinkers—and learning to read and write in a variety of media have become essential skills. In this elective course, students will learn to better understand and analyze complex messages from media such as film, television, news, advertising, video games, magazines, the Internet, and various other forms of media. Students will learn to address the following questions: Who created the message? What is the format of the message? Who is the intended audience of the message? What point of view is represented in the message? What is the accuracy, truth, or credibility of the message? This elective does not fulfill the English requirement for graduation.

FAMILY AND CONSUMER SCIENCES

Code	Course	Level	Grade	Semester	Credit	Career Pathways
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	
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. **Fee: \$40-\$50**

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: \$40-\$50

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.**

Fee: \$10-\$20

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.
Fee: \$10-\$20

FINE ARTS – FILM

Code	Course	Level	Grade	Semesters	Credit	Career Pathways
9510	Introduction to Film	N	9-12	2	1.0	
9520	Film Studio	N	10-12	2	1.0	

Introduction to Film

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

Description:

Students will engage with the medium of Film (Media Arts) by learning what it takes to make a movie. Students will first learn about the art of film-making and then learn all about the equipment necessary to make a movie. Students will then begin to make projects which include: small classrooms training assignments, commercials, PSA's, comedy sketches, music videos, and documentaries. The class will culminate in the students working on a narrative short film that will give them the opportunity to share their voice and vision with the world. Students will also view films and be asked to do a critical analysis of the films which will help them to constructively discuss film as a modern medium of storytelling.

This course is held at Anderson High School. THS students may take this course at AHS.

Film Studio

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Pre-Requisite: Introduction to Film

Description:

Students will continue their journey into filmmaking by focusing on projects for the school, community, and for themselves. Students will use the skills and knowledge gained in Introduction to Film to work on projects that will enhance and promote the FHSD instructional vision and allow students to find their voice as a storyteller through film. Students in this course will be required to do larger projects and perhaps use school time in order to make films for the district. Students will also be asked to attend athletic events, academic events, and artistic events and make a showcase video for the group that they are promoting. The students will also focus on their own storytelling by making documentary and narrative short films that will be shared with the community and be entered in a local film festival. Students will also view films and be asked to do a critical analysis of the films which will help them constructively discuss film as a modern medium of storytelling.

This course is held at AHS. Turpin students may take this course at AHS.

FINE ARTS – MUSIC

Code	Course	Level	Grade	Semesters	Credit	Career Pathways
9610	Men's Chorus	N	9-12	2	1.0	
9613	Beginning Guitar	N	9-12	1	0.5	
9620	Women's Chorus	N	9-12	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	
9650	Chamber Choir	N	10-12	2	1.0	
9710	Concert Band	N	9-12	2	1.0	
9711	Marching Band	N	9-12	9 weeks	0.25	
9720	Percussion	N	9-12	2	1.0	
9730	Wind Ensemble*	H	9-12	2	1.0	
9740	Percussion*	H	9-12	2	1.0	
9810	Philharmonic Orchestra	N	9-12	2	1.0	
9830	Symphonic Orchestra*	H	9-12	2	1.0	

MEN'S CHORUS

Grade Level: 9, 10, 11, 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.

Fee: \$20-\$30

BEGINNING GUITAR

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

Description:

This course is designed for the student **who** has a desire to learn basic guitar **and has no guitar experience**. 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. **Fee: \$10-\$20**

WOMEN'S CHORUS

Grade Level: 9, 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. Selections are drawn from classical, folk, popular, sacred, and musical theatre genres. 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. **Fee: \$20-\$30**

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, musical styles, and historical context. There is a strong emphasis on active music listening skills.

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. Preparation and practice will be expected from each individual. 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. **Fee: \$20-\$30**

CHAMBER CHOIR

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

Description:

This group will be comprised of 12-16 students who will perform music of all genres from Renaissance to pop a capella. The ensemble will perform at regularly scheduled concerts, assemblies, and other events within the community; these outside events are mandatory. Ensemble and solo work is emphasized and encouraged. Standard music literacy, sight reading, and exemplary tone are the determining factors in the selection of members for this group. Preparation and practice will be expected from each individual. **Fee: \$20-\$30**

AP MUSIC THEORY **

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
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. This goal is reached through students' development of: aural skills, sight-singing, written exercises, composition exercises, and analytical exercises.

Fee: \$10-\$20 + fee for AP Exam

CONCERT BAND

Grade Level: 9, 10, 11, 12
Course Credit: 1.0 credit, two semesters
Prerequisite: Successful audition and teacher recommendation

Description:

Concert Band students work to build musicianship, fundamental skills, and performance techniques. The selection of music will vary 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. It is **mandatory** for all Concert Band members to participate in Marching Band. Students who plan to participate in a fall sport should contact the band director to see how accommodations may be made. **Fee: \$7-\$17**

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 members from Concert Band, Wind Ensemble, Percussion, and the Color Guard. Members attend band camp at the end of the summer in preparation for fall performances. Daily rehearsals beyond the school day prepare the class to perform at football games as well as marching band festivals, contests, and parades. There is regional travel for this class including all scheduled football games and competitions. **Fee: \$150-\$170**

PERCUSSION

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

Description:

Through teacher evaluation, percussion students will be placed in General Percussion or Honors 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 pep and jazz bands. At the conclusion of the marching season, Orchestra Percussionists go to orchestra two times per week. Solo and ensemble participation is encouraged. It is **mandatory** for all percussion class members to participate in marching band. **Fee: \$15-\$25**

PERCUSSION (H)*

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

Description:

Students in Percussion Class (H) work to build advanced levels of musicianship and employ advanced performance techniques. The selection of music will vary throughout the year and will employ 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 and/or Honor Band 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, and auditions occur in the spring of the previous school year. It is **mandatory** for all members of percussion class to participate in marching band.

Fee: \$15-\$25

WIND ENSEMBLE *

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

Description:

Wind Ensemble students work to build advanced 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 and/or Honor Band, 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. It is **mandatory** for all Wind Ensemble members to participate in Marching Band. Students who plan to participate in a fall sport should contact the band director to see how accommodations may be made.

Fee: \$7-\$17

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 develops technical string playing skills through string orchestra repertoire. All styles and types of music are studied to assure a well-rounded orchestra experience. The orchestra performs at required concerts throughout the year. Additional requirements may include adjudicated events and outside concert attendance. **Fee: \$15-\$30**

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 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. Additional requirements may include community service, outside concert attendance, extended rehearsals, and OMEA adjudicated events.

Fee: \$15-\$30

FINE ARTS-VISUAL ARTS

Code	Course	Level	Grade	Semesters	Credit	Career Pathways
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	Drawing and Painting IV	N	12	2	1.0	
9150	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	
9240	Sculpture and Ceramics IV	N	12	2	1.0	
9250	AP Studio 3D Design**	AP	12	2	1.0	
9310	Introduction to Photography	N	9-12	2	1.0	
9320	Advanced Photography	N	10-12	2	1.0	
9410	Digital Imaging	N	9-12	2	1.0	
9420	Digital Imaging II	N	10-12	2	1.0	
9430	Digital Imaging III	N	11-12	2	1.0	
9440	AP Studio 2D Design**	AP	11-12	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 semesters

Description:

Drawing and Painting I is a two semester, hands-on, basic training course to improve both drawing and painting skills. Students will learn about the elements and principles of design, as well as how to create effective compositions through a variety of materials and techniques. There will be integration of art history throughout the course. Critical review of work during this course will be both written and verbal as students will participate in class critiques. Students will be required to keep a sketchbook throughout the course for both classwork and homework. **Fee: \$33-\$43**

DRAWING AND PAINTING II

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

Description:

Drawing and Painting II continues to build student skills and knowledge of a wide variety of techniques and use of 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 history. After completing this course, students will be prepared for a future in higher level art classes should they choose to continue on. Student critique will be both verbal and written. They will begin to work more independently as they begin to find their own unique art style. They will still be required to keep a sketchbook for class work and homework. Students may choose to purchase additional supplies for this course. **Fee: \$33-\$45**

DRAWING AND PAINTING III

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

Description:

Students will begin to master their own individual artistic style 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 Drawing and Painting IV or AP Studio Drawing, as well as art at the collegiate level. Students will continue to work more independently and projects will become more self-directed. Student critique will be more frequent. They will still be required to keep a sketchbook of drawings and homework assignments. Students may choose to purchase additional supplies for this course. **Fee: \$35-\$45**

DRAWING AND PAINTING IV

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

Description:

In Drawing and Painting IV, students will utilize knowledge from their previous Drawing and Painting courses to create a portfolio. Students will 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, and mixed media. Students will demonstrate drawing competence through abstract and observational works. There is no preferred (or unacceptable) style or content. **Fee: \$40-\$50**

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.

Fee: \$40-\$50+ fee for AP Exam

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 students enjoy working with their hands, this class is a great choice. Students will learn basic hand-building clay techniques as well as glazing and other finishing processes. Completing a variety of projects using different mediums, students will learn how to make sculptures and ceramic pottery using the elements and principles of 3D design. Students will also explore works created by sculptors and potters through the ages. **Fee: \$35-47**

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 an individual's art says about them. Students will hone in on personal technique and design skills, while still learning new techniques and working with new mediums. Students will be introduced

to the pottery wheel to create a variety of functional vessels. Students will also be exploring advanced hand-building and finishing techniques. We will continue to explore historical and current three-dimensional artwork, artists, materials, and techniques. **Fee: \$35-\$47**

SCULPTURE AND CERAMICS III

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

Description:

Students have already learned many sculptural and functional techniques and have started to create their own style. This year students will be developing their voices through research and the creation of their artwork. Using prompts given by the instructor, students will design and create solutions in the method and material that best expresses their artistic styles. They will also continue to advance their skills using the pottery wheel. Students will explore the historical and current art as it applies to their personal style and choice of medium. **Fee: \$35-\$47**

SCULPTURE AND CERAMICS IV

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

Description

Using prior knowledge from previous sculpture classes, students will continue their study of three-dimensional design creating a compilation of both ceramic and sculptural artworks for a final portfolio. Students will concentrate on defining their visual voice by creating artworks of personal focus as well as projects showing a breadth of student's abilities with subject, processes, and materials. **Fee: \$40-\$53**

AP ART STUDIO 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. **Fee: \$40-\$53 + fee for AP Exam**

INTRODUCTION TO PHOTOGRAPHY

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

Description:

The 21st Century is all about visual culture. In this class you will be introduced to the history of the photographic image and learn how to create photographs that have an impact. In doing so you will also learn how to read images and have a better understanding of contemporary visual media. You will learn both digital and traditional methods for editing and manipulating your images, including learning the basics of Adobe Creative Suite CC. You will learn how to create fine art photography, as well as exploring professional paths. You will need access to a digital camera (see teacher for current camera requirements before the school year begins), and need to be able to spend time outside of class making images. In this class you will learn the basic skills and techniques of photography.

Fee: \$37-\$49

ADVANCED PHOTOGRAPHY

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, and visual culture, using both traditional and digital techniques. You will combine previously learned skills with even more creative ways to take, manipulate and present photographic images. You will also begin to have more freedom to develop your own personal vision. Photography requires a high level of maturity and initiative because much of the work needs to be done outside of school for ideal lighting, and exploring more personal subject matter.

Fee: \$37-\$49

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. In this class, students will primarily work with computers as they gain an understanding of the basic design principles used in fine art, graphic design, and animation. A variety of programs including Adobe Photoshop, Adobe Illustrator, and free online resources will be introduced to students to use as they make choices on how to develop their creative skills and better understand styles of art. This is an essential class for future art majors to stay up-to-date in the digital age.

Fee: \$17-\$35

DIGITAL IMAGING II

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

Description:

This class is an enrichment opportunity for digital imaging students. The course uses a variety of computer-based media, digital tools, and other design media. Students will build upon previously learned skills in fine art, graphic design, and animation as they work toward becoming more effective visual communicators and consumers. Throughout the course, students will refine their knowledge of Adobe Photoshop and Adobe Illustrator as well as various free online tools. Students will learn to plan some of their own independent projects throughout the year in addition to teacher-led assignments. By the end of this course, students should leave with a variety of artworks in their digital portfolios that can be used to showcase their work during college, vocational training, and job-related interviews. This is an essential class for art majors to stay up-to-date in the digital age. Yet this course teaches essential skills which can transfer to disciplines such as engineering, architecture, and business. **Fee: \$33-\$48**

DIGITAL IMAGING III

Grade Level: 12
Course Credit: 1 credit, two semesters
Prerequisite: Intro to Digital Imaging & Advanced Digital Imaging

Description:

This course involves drawing with digital tablets in Photoshop, scanning traditional drawings to finish digitally, conceptualizing the limitations and protocols of a given medium, and student development of individual digital imaging portfolio work. Drawing-based software such as Adobe Photoshop and Illustrator will be used in addition to free online software.

Content includes a range of subjects including landscape, portrait, human figure, perspective interiors, objects, and concepts including protocol information flow, and digital bias. Observation, analysis, and drawing from imagination are also explored. By the end of the course, students will produce works as digital files, animations, and 3D prints.

AP ART STUDIO 2D DESIGN **

Grade Level: 11, 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.

Fee: \$40-\$53 + fee for AP Exam

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. **Fee: \$30-\$40 + fee for AP Exam**

FINE ARTS – THEATRE

Code	Course	Level	Grade	Semesters	Credit	Career Pathways
9910	Introduction to Theatre	N	9-12	2	1.0	
9920	Advanced Theatre Studio	N	10-12	2	1.0	
9930	Technical Theatre	N	10-12	2	1.0	

INTRODUCTION TO THEATRE

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

Description:

This course is a fun and exciting way for students to engage in storytelling by using themselves as the medium. 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 are engaging in a variety of ways. Each unit allows students to grow as artists by understanding how history, culture and social issues impact dramatic texts. Students participate in four units of study including Advanced Improvisation, Advanced Scene Study, Musical Theatre Dance, and the Senior-Capstone Project. This class focuses on students as leaders, creators, and directors, as well as, advancing their performance, literary, and technical skills. Lastly, students will connect their learning by applying it to real-world projects presented to the public, which means they must be available for performances outside of the school day. This course may be repeated.

TECHNICAL THEATRE

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

Description:

Students work side-by-side with the Theatre Studio course in order to create the technical elements for various projects. Students will utilize their skills in technical theatre to assist creating the performances within the class. Students will also learn all areas of technical theatre and expand on their skills and knowledge of new areas to allow them to grow as a technical theatre artist. Students will be required to attend outside of school performances including: the Improv Show, the One-Act Festival, and the Capstones performance.

There is not a prerequisite for this course, however, students are strongly encouraged to enroll in the Introduction to Theatre course prior to taking the Technical Theatre course.

Fee: \$20-\$30

MATHEMATICS

Code	Course	Level	Grade	Semesters	Credit	Career Pathways
2010	Math Foundations	N	9	2	1.0	
2120	Math I	CP	9	2	1.0	
2110	Math I	N	10	2	1.0	
2220	Math II	CP	9-11	2	1.0	
2230	Math II	H*	9-11	2	1.0	
2210	Math II	N	10-11	2	1.0	
2320	Math III	CP	10-11	2	1.0	
2330	Math III*	H	10-12	2	1.0	
2310	Math III	N	11-12	2	1.0	
2410	Mathematics Modeling and Reasoning	N	12	2	1.0	 
2420	College Algebra with Trigonometry	CP	11-12	2	1.0	  
2430	Pre-Calculus	CCP	10-12	2	1.0	   
2530	Advanced Mathematics*	H	10-12	2	1.0	   
2540	AP Statistics**	AP	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 Plus 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. **Fee: \$15-\$25 + fee for AP Exam**

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 **

(CCP option)

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 and teacher recommendation

Co-Requisite: Pre-Calculus

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.

Fee: \$15-\$25 + fee for AP Exam

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.

Fee: \$15-\$25 + fee for AP Exam

MATHEMATICS MODELING AND REASONING

Grade Level:	12
Course Credit:	1 credit, two semesters
Prerequisite:	Math III

This course is designed to promote reasoning, problem-solving, and modeling through thematic units focused on mathematical practices while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. Quantitative reasoning and modeling involves the application of mathematics to real-world situations, with careful attention to the choice of units and contextual challenges. Problem-solving and modeling together provide opportunities for students to experience success with mathematics, not merely improve their self-perception. These habits and skills promote perseverance and cut across disciplines, thus providing a gateway into successful post-secondary education and a variety of careers. This course is intended for students who have not yet achieved a remediation free score in math.

PHYSICAL EDUCATION

Code	Course	Level	Grade	Semester	Credit	Career Pathways
0123	Health	N	9-12	1	0.5	
0213	Physical Education	N	9-12	1	0.25	
0223	Lifeguarding, CPR and First Aid (Blended)	N	10-12	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	
0283	AHS Advanced Strength Training	N	10-12	1	0.25	

HEALTH AND WELLNESS

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

Description:

This course is designed to equip students with the knowledge, skills, and awareness necessary for making responsible choices that will lead to optimal wellness. Our goal is to help students maintain a healthy state of physical, mental and social well being. The topics of study include Self-esteem, Stress Management, Physical fitness, Nutrition, Healthy Relationships, Reproductive health, Substance Abuse and Addiction, CPR / AED training, Organ & Tissue Donation, Infectious & Lifestyle Diseases.

*This course is required for all students.

Fee: \$5-\$15

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. **Fee: \$5-\$15**

Unless using the FHSD PE waiver, this course is required for all students in addition to completion of one PE elective

LIFEGUARDING, CPR, AND FIRST AID (BLENDED)

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

Description:

This course will be a combination of online learning and face-to-face instruction. The primary purpose of the American Red Cross Blended Lifeguarding course is to provide entry level lifeguard participants with the knowledge and skills to prevent, recognize and respond to aquatic emergencies and to provide professional-level care for breathing and cardiac emergencies, injuries and sudden illnesses until emergency medical services (EMS) personnel take over. This program offers a choice of Lifeguarding/First Aid/CPR/AED courses to meet the various training needs of a diverse audience. This course combines online learning with in-person skill sessions conducted by a Red Cross-certified instructor. Participants in blended learning courses acquire the same knowledge and skills as those in traditional classroom training courses. **Participants in the Lifeguarding program must be 15 years of age on or before the last scheduled session of the course.** This class does require a prerequisite swim test that will take place the first two days of class. **Fee: \$47-\$57**

When following the extended outline of the Blended Learning Lifeguarding course, homework is assigned between sessions. Examples of work include:

- Online assignments
- End of chapter review questions
- Reading assignments
- Required course video segments
- Skill demonstrations in the water

DANCE AND CREATIVE MOVEMENT

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

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. **Fee: \$5-\$15**

COMPETITIVE GAMES

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

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. **Fee: \$5-\$15**

STRENGTH TRAINING AND CONDITIONING

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

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.

Fee: \$5-\$15

AHS ADVANCED STRENGTH TRAINING

Grade Level: 10, 11, 12
Course Credit: 0.25 credit, one semester
Prerequisite: Strength and Conditioning or Varsity Coach Signature

Description:

The daily goal of this course is to promote improved physical and cardiovascular health through strength training and cardiovascular activities. The objectives are flexible to meet the needs and desire of each individual. Each student will have a daily objective/workout regimen to use and follow. The objective is to learn proper technique, use that technique to add strength to the muscular and skeletal system, promote flexibility and balance and create a healthier and more physically fit individual. Along with this should be an improvement in mental health as confidence builds through seeing results. This class can be taken by any one, but lifting/cardio experience is preferred. As students learn the techniques and what their body can achieve, they can begin to set measurable goals which they can track with data collection. The intensity and lift variation will change based on student skill levels, strength and mastery of the techniques; students will have the flexibility to achieve their personal best. **Fee: \$5-\$15**

LEISURE GAMES AND ACTIVITIES

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

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.

Fee: \$5-\$15

OFFICIATING

Grade Level: 9, 10, 11, 12

Course Credit: 0.25 credit, one semester

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	Biology	N	9	2	1.0	
3120	Biology	CP	9	2	1.0	
3130	Biology*	H	9	2	1.0	
3340	AP Biology**	AP	10-12	2	1.0	 
3210	Physical Science	N	10	2	1.0	   
3220	Physical Science	CP	10	2	1.0	
3320	Chemistry	CP	10-12	2	1.0	
3230	Chemistry*	H	10-11	2	1.0	
3640	AP Chemistry**	AP	11-12	2	1.0	 
3310	Earth Science	N	11-12	2	1.0	
3713	Forensic Science	CP	10-12	1	0.5	 
3513	Astronomy	CP	11-12	1	0.5	
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	
3540	AP Physics C: Electricity & Magnetism**	AP	12	2	1.0	
3620	Nutritional Biochemistry	CP	11-12	2	1.0	  
3710	Human Body Systems	CP	10-12	2	1.0	   
3720	Medical Interventions	CP	11-12	2	1.0	   
3810	Introduction to Engineering Design	CP	9-12	2	1.0	
3820	Principles of Engineering	CP	10-12	2	1.0	
3830	Engineering Applications	CP	11-12	2	1.0	

BIOLOGY (N)

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

Prerequisite: Teacher recommendation

Description:

This is the first course in the series of biology, 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 Biology End-of-course exam. Emphasis will be placed on laboratory experiences and on reading and writing skills in connection with science. **Fee: \$12-\$22**

BIOLOGY (CP)

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

Description:

This course is a survey course in biology for freshmen. 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. **Fee: \$17-\$27**

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, and the diversity of life. Students may be required to participate in the district science fair or complete an equivalent project. **Fee: \$17-\$27**

AP BIOLOGY **

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

Prerequisite: Biology and teacher recommendation
Co-Requisite: Chemistry

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, cell communication and human biology. The goal of this course is to prepare students to take the Advanced Placement Biology Exam. **Fee: \$49-\$59 + fee for AP 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 biology, physical science and earth science. This course will explore many aspects of the application of chemistry, physics, and earth/space science. Emphasis will be placed on laboratory experiences, engaging projects based on real-world problems, and further development of reading and writing skills in science. **Fee: \$12-\$22**

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. Students will be challenged by real-world, problem-based units that require application of above concepts. Projects explored may include public drinking water purification, application of alternative energy systems, engineering design challenges of long-term space missions, environmentally responsible architecture, and structural engineering in earthquake zones, etc.

Fee: \$12-\$22

CHEMISTRY (CP)

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

Prerequisite: Math I and teacher recommendation
Co-Requisite: Math II

Description:

This is a course for the college-bound student covering basic chemical theory and laboratory skills. Topics covered include elements, compounds, mixtures, chemical formulas and equations, stoichiometry, energy changes, chemical bonding, gas laws, and acids and bases. This course is designed to engage students in activities and laboratory experiences that emphasize real world applications of chemistry. **Fee: \$32-\$45**

CHEMISTRY (H) *

Grade Level: 10, 11
Course Credit: 1 credit, two semesters
Prerequisite: Math I and teacher recommendation
Co-Requisite: Math II

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 challenging laboratory experiments, critical thinking and problem-solving. A strong background in honors mathematics is highly recommended.
Fee: \$32-\$45

AP CHEMISTRY **

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

Prerequisite: Chemistry and teacher recommendation
Co-Requisite: Honors Math III

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.

Fee: \$39-\$66 + fee for AP Exam

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 biology, 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. **Fee: \$12-\$22**

FORENSIC SCIENCE

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

Description:

This one semester course is an elective, inquiry-oriented science class that will focus on criminal forensics. Through a sequence of lab based activities, students will gain an understanding and appreciation of the role of science in solving crimes. Topics may include fingerprinting, entomology, pattern impressions, blood-spatter, DNA, crime scene processing, ballistics, fiber & hair analysis, document analysis, anthropology, and

arson. **Fee: \$12-\$22**

ASTRONOMY

Grade Level: 11, 12
Course Credit: 0.5 credit, one semester
Prerequisite: Physical Science or Chemistry

Description:

This one-semester course is for any student interested in the Universe and how it works on an astronomical scale. Students will learn basic astronomy skills like stargazing, charting and identifying constellations, using optical telescopes, using radio-telescopes, as well as others. The history and development of astronomy and astronomical tools will also be discussed. A portion of the semester will be dedicated to the study of the origin, evolution, and fate of the Universe as a whole. This course will apply appropriate mathematical investigations for each topic and is designed to be accessible to a diverse population of math abilities. This class will meet at night at least once during the semester, and friends/families are invited to attend.

Fee: \$12-\$22

PHYSICS (CP)

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

Description:

This course is designed as a survey of physics with an emphasis on the application of mathematics to model the physical world. 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.

Please read the following information before choosing an AP Physics path:

The AP Physics C: Mechanics and AP Physics C: Electricity & Magnetism tests are generally accepted for all majors. If you are considering engineering or a physical science degree you should take these courses. If you are strong in math and unsure of your future career choice, choose AP Physics C: Mechanics as your first AP Physics course. **Fee: \$12-\$22**

AP PHYSICS I **

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

Description:

AP Physics I is equivalent to a first-semester college course in algebra-based physics. The course covers kinematics, Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, momentum, oscillations, gravitation, mechanical waves, sound, electrostatics and introductory electric circuits. The goal of this course is to prepare students to take the Advanced Placement Physics I Exam.

Fee: \$33-\$43 + fee for AP Exam

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: Honors Pre-Calculus or Higher Level Math

Descriptions:

AP Physics II is the equivalent to a second-semester college course in algebra-based physics. The course covers electrostatics, electric circuits, magnetism as well as fluid mechanics, thermodynamics, optics and nuclear physics. The goal of this course is to prepare students to take the Advanced Placement Physics II Exam. **Fee: \$38-\$48 + fee for AP Exam**

AP PHYSICS C: Mechanics **

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Co-Requisite: Honors Pre-Calculus

Description:

AP Physics C: Mechanics is equivalent to a first-semester college course in calculus-based physics. The course covers kinematics, Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, momentum, oscillations and gravitation. Introductory calculus skills are taught as a part of the course and used throughout the year. The goal of this course is to prepare students to take the Advanced Placement Physics C Mechanics Exam. **Fee: \$37-\$47 + fee for AP Exam**

AP PHYSICS C: Electricity and Magnetism **

Grade Level: 12
Course Credit: 1 credit, two semesters
Prerequisite: AP Physics I or AP Physics C: Mechanics and teacher recommendation
Co-Requisite: AP Calculus AB or AP Calculus BC

Description:

AP Physics C: Electricity & Magnetism is equivalent to a second-semester college course in calculus-based physics. The course covers electrostatics, electric circuits and magnetism. Advanced calculus skills are developed and used throughout the course. The goal of this course is to prepare students to take the Advanced Placement Physics C Electricity and Magnetism Exam. **Fee: \$23-\$50 + fee for AP Exam**

NUTRITIONAL BIOCHEMISTRY

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

Description:

Nutritional Biochemistry is a fun elective where students explore the everyday science behind health, nutrition and cooking. Students will learn about artificial and natural flavors (Cincinnati being a flavor hub), dieting, eating for athletics, gluten allergies, GMOs, trans-fats, vegetarianism and more. The course will explore these topics in both the science lab *and* cooking lab. Students end the year competing in a cooking contest and producing a cooking video, Food Network-style. **Fee: \$51-\$61**

HUMAN BODY SYSTEMS

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite or Co-requisite: Chemistry

Description:

This is the first course in the Project Lead The Way (PLTW) Biomedical Pathway. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

Fee: \$66-\$76

MEDICAL INTERVENTIONS

Grade Level: 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Human Body Systems

Description:

This is the second course in the Project Lead The Way (PLTW) Biomedical Pathway. Students investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

Fee: \$45-\$55

INTRODUCTION TO ENGINEERING DESIGN

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite or Co-requisite: Math I

Description:

This is the first course in the Project Lead The Way (PLTW) Engineering Pathway. This course is designed to introduce the field of engineering and engineering technology as students take an idea from the design process to product testing to production. Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software.

Fee: \$47-\$57

PRINCIPLES OF ENGINEERING

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

Description:

This is the second course in the Project Lead The Way (PLTW) Engineering Pathway. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, robotics and automation. Students will employ engineering and scientific concepts as they develop skills in problem solving, research, and design and manufacturing while learning strategies for design process documentation, collaboration, and presentation.

Fee: \$45-\$55

ENGINEERING APPLICATIONS

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher Recommendation, Intro to Engineering Design AND either

- Principles of Engineering; or
- AP Computer Science Principles AP Computer Science A; or
- 3D Computer Modeling & Simulation Engineering Models; or
- AP Physics

Description:

This course will require students to work in teams on various (student and teacher) directed engineering projects. Students will apply and further develop skills they have learned in prerequisite engineering classes as well as learn new skills to further their understanding of the Engineering Design Process. Students will use various resources and skills such as Vex Robotics, Arduino boards, Autodesk Inventor (or comparable 3D modeling software), various programming languages, documentations, communication and presentation skills, 3-D printing and CNC machining to resolve real world problems.

SOCIAL STUDIES

Code	Course	Level	Grade	Semester	Credit	Career Pathways
4110	Modern World History	N	9	2	1.0	
4120	Modern World History	CP	9	2	1.0	
4130	Honors Modern World History*	H	9	2	1.0	 
4140	AP Human Geography**	AP	9-12	2	1.0	  
4210	U.S. History	CP	10	2	1.0	
4240	AP U.S. History**	AP	10-12	2	1.0	  
4340	AP European History**	AP	11-12	2	1.0	  
4413	American Government	CP	11-12	1	0.5	
4443	AP U.S. Government and Politics	AP	11-12	1	0.5	  
4513	Social Psychology	CP	10-12	1	0.5	  
4540	AP Psychology**	AP	10-12	2	1.0	  
4643	AP Macroeconomics	AP	10-12	1	0.5	
4813	Sociology	CP	10-12	1	0.5d	  
4113	World Cultures	CP	10-12	1	0.5	
4213	Modern America	CP	10-12	1	0.5	
4313	World War II	CP	10-12	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. Students will build upon previously learned historical thinking skills by locating and analyzing primary and secondary sources from multiple perspectives then drawing conclusions.

HONORS MODERN WORLD HISTORY *

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

Description:

In addition to the historical content covered in CP Modern World History, this course will include an introduction to the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. Significant differences from the CP Modern World History course include an introduction to AP level essay writing and critical analysis of primary and secondary documents. This course may require the purchase of supplemental reading materials.

AP HUMAN GEOGRAPHY **

Grade Level: 9, 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation
Co-requisite: Honors English 9 (for Grade 9 only)

Description:

This is a college level geography course designed to prepare students for success on the AP exam. Students should enter this course with exceptional essay writing skills. Students should also have experience with analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation. The purpose of AP Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences.

Fee for AP Exam

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 the founding period 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 foundation of this course. Students will build upon previously learned historical thinking skills by locating and analyzing primary and secondary sources from multiple perspectives then drawing conclusions. This course is designed to help students reach proficiency (a 3 or higher) on the state of Ohio's End-of-Course exam.

Fee: \$8-\$18

AP U.S. HISTORY **

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher recommendation
Co-requisite: Honors English 10

Description:

This course is designed to provide high performing students with a college level U.S. History course. It focuses on the development of students' abilities to think conceptually about U.S. history from approximately 1491 to the present as well as the development of historical thinking skills such as analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time, and developing historical arguments. Students will learn to assess primary historical sources and weigh evidence and interpretations presented in historical scholarship. They will develop the argumentation skills necessary to present analysis and evidence clearly and persuasively and will be required to write several long essays and document-based essays. Students will be required to read a significant amount of reading from a college-level textbook as well as selected works beyond the text. This course will prepare students to take the Advanced Placement exam. Summer reading is required.

Fee: \$20-\$30 + fee for AP Exam

AP EUROPEAN HISTORY **

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

Prerequisite: Teacher recommendation

Description:

The AP European History course focuses on developing students' understanding of European history from approximately 1350 to the present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. Students will be required to read a college textbook and related materials beyond the high school text. The course is based on the College Board requirements that will prepare the student to pass the Advanced Placement exam. Summer reading may be required. **Fee: \$20-\$30 + fee for AP Exam**

AMERICAN GOVERNMENT

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

Description:

This 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 designed to help students reach proficiency (a 3 or higher) on the state of Ohio's End-of-Course exam. **Fee: \$8-\$18**

AP U.S. GOVERNMENT AND POLITICS **

Grade Level: 11, 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. Major topics of study will include: the constitutional underpinnings of our government, political beliefs and behaviors, political parties and interest groups, the institutions and policy processes of our national government, civil rights, and civil liberties. This course will prepare students for the Advanced Placement exam.

Fee: \$20-\$30 + fee for AP Exam

SOCIAL PSYCHOLOGY

Grade Level: 10, 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 of study will include: behavioral history, memory, intelligence, personality development, motivation, normal and abnormal behavior, states of consciousness and mental disorders. Students will be assigned papers, projects, and experiments throughout the semester.

AP PSYCHOLOGY **

Grade Level: 10, 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. Students will demonstrate literacy while practicing the Free Response format. **Fee for AP Exam**

AP MACROECONOMICS **

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

Description:

This purpose of this course in macroeconomics is to provide students with an understanding of the principles of economics which 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.**

Fee for AP Exam

SOCIOLOGY

Grade Level: 10, 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. It 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.

The course focuses on introductory concepts, research, and theories involved in increasing the understanding of human behavior and human societies. The interrelations among human societies, individuals, organizations, and groups are analyzed while numerous contemporary social problems and issues will be discussed.

WORLD CULTURES

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

Description:

This course will examine cultures of the world from the ancient world to the modern day. Specific geographical targets include North and South America, Europe, Africa, the Middle East and Asia. Students will use 21st century skills to draw comparisons and connections from ancient civilizations to the modern era. Students will explore the influences of religion, economics, conflict, and political structures.

MODERN AMERICA

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

Description:

This course will examine the major themes of 21st century U.S. history including a combination of historical events and ongoing social issues. Students will examine economic, social, and geopolitical topics including but not limited to: America's role as a world power, 9/11 and the War on Terror, immigration; the impact of technology on the economy and society, race and culture, and the origins of modern American politics.

WORLD WAR II

Grade Level: 10, 11, 12

Course Credit: 0.5 credit, one semester

Description:

The two world wars that were fought in the twentieth century shaped and defined today's world. This course is an in-depth look at the second of those wars, World War II, from its origins to its conclusion and legacy. The purpose of this course is to provide the students with a broad view and comprehensive understanding of World War II as a global event. It will deal with the war's causes, conduct, and ultimate consequences. These include the reshaping of the European map, the genocide of European Jews, and the world entering into the nuclear age. It will cover the war from the perspective of all the major belligerents, Axis and Allied. The dominant perspective, however, will be that of the United States, the only Allied power to play an important role in the defeat of all three Axis powers, Germany, Italy, and Japan.

TEACHING PROFESSIONS

Code	Course					Career Pathway
6800	Teaching and Learning Fundamentals in Education	N	10-12	2	1.0	 
6810	Teaching and Learning Curriculum & Instruction	N	11-12	2	1.0	 
6820D	Teaching and Learning Classroom Management (Online)	N	11-12	2	1.0	 
6840	Teaching and Learning Capstone/Practicum	H	12	2	1.0	 
6830	Teaching and Learning Education Principles *	H	12	2	1.0	 

TEACHING AND LEARNING FUNDAMENTALS IN EDUCATION

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

Description:

In this introductory level class for the Teaching Professions Academy Program, students will examine the relationship of families, communities, and schools in the growth and development of learners. They will implement strategies to actively involve families and communities in child development and learning, determining community resources and services available to families and schools, and act as advocates for students and learning. Throughout the course, working with socially, culturally, linguistically diverse families will be emphasized.

TEACHING AND LEARNING CURRICULUM & INSTRUCTION

Grade Level: 11
Course Credit: 1 credit, two semesters

Prerequisite: Application and Interview
Co-requisite: Teaching and Learning Classroom Management

Description:

This course, and Teaching Professions Academy Pathway, is designed for the student who enjoys working with children through the teaching and learning process. The sequential courses in this program support the student's postsecondary Teaching Professions Academy career major. Students will develop age-appropriate learning experiences and curriculum to engage children and help them learn. They will determine curricular goals, create lesson plans, and employ grading and assessment strategies to measure targeted learning outcomes. In addition, students will develop online instruction using learning management system platforms. Students will be enrolled in the school's chapter of Educators Rising. Field trips to various colleges will be incorporated into classroom activities.

TEACHING AND LEARNING CLASSROOM MANAGEMENT

Grade Level: 11
Course Credit: 1 credit, two semesters
Prerequisite: Application and Interview
Co-requisite: Teaching and Learning Curriculum & Instruction

Description:

In this innovative online course that is cross walked with Teaching and Learning Curriculum and Instruction, students will apply developmentally appropriate techniques to advance learners' social and emotional growth. They will create classroom environments to maximize the learning potential of each learner. Additionally, students will create and enforce classroom rules, establish classroom routines, and model self-discipline for learners. Conflict resolution, positive discipline and behavioral modification techniques will be emphasized throughout the course.

TEACHING AND LEARNING CAPSTONE/PRACTICUM*

Grade Level: 12

Course Credit: 1 credit, two semesters

Prerequisite: Teaching and Learning Curriculum & Instruction, Teaching and Learning Classroom Management

Co-requisite: Teaching and Learning Education Principles

Description:

This is one of two second level courses in the Teaching Professions Academy Program. Students apply Teaching Professions Academy program knowledge and skills in a comprehensive and authentic way. Under the supervision of the school and through partnerships with schools in the Forest Hills School District, learners will complete internships in the primary, intermediate, middle, and high school levels. Students will develop 21st century skills directly related to success in college and professional settings. Visits to colleges with educational programs will be incorporated into the program.

TEACHING AND LEARNING EDUCATION PRINCIPLES *

Grade Level: 12

Course Credit: 1 credit, two semesters

Prerequisite: Teaching and Learning Curriculum & Instruction, Teaching and Learning Classroom Management

Description:

This is one of two second level courses in the Teaching Professions Academy Program. Students will research the historical perspectives and theories of education used in the forming of their own personal educational philosophy. Students will assess legal, ethical, and organizational issues. Additionally, students will assess developmental appropriate practices and identify challenging issues associated with teaching children with diverse needs. In this course students will receive instruction and support as they develop the capstone portfolio project. Career planning, professional guidelines, and ethical practices will also be emphasized. Students will be enrolled in the school's chapter of Educators Rising.

COMPUTER SCIENCE AND ENGINEERING

Code	Course	Level	Grade	Semesters	Credit	Career Pathways
3810	Introduction to Engineering Design	CP	9-12	2	1	
8210	3D Models and Simulations	N	9-12	2	1.0	
3820	Principles of Engineering	CP	10-12	2	1.0	
3833	Engineering Models	CCP	11-12	1	0.66	
3830	Engineering Applications	CP	11-12	2	1	
8513	Applied Computer Skills	N	9-12	1	0.5	   
8613	Programming	N	9-12	1	0.5	   
8520	Advanced Studies in Computer Science	CP	12	2	1	
8540	AP Computer Science Principles	AP	10-12	2	1.0	   
8640	AP Computer Science A	AP	11-12	2	1.0	 
8713	Technology Internship	***	10-12	1	0.5	

3D MODELS AND SIMULATIONS

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

Description:

Students will create 3D computer models for mechanical design, 3D digital prototypes, and product simulation. 3D models can be used to bridge the gap between creative and mechanical teams, and communicate a design through visualization. These learning-by-doing skills can be applied to a variety of careers that use 3D modeling software including 3D printing, Virtual & Augmented Reality entertainment & gaming, architecture, graphic design, marketing, science and engineering. **Fee: \$5-\$15**

ENGINEERING APPLICATIONS

Grade Level: 10, 11, 12
Course Credit: 1 credit, two semesters
Prerequisite: Teacher Recommendation, Intro to Engineering Design AND either

- Principles of Engineering; or
- AP Computer Science Principles AP Computer Science A; or
- 3D Computer Modeling & Simulation Engineering Models; or
- AP Physics

Description:

This course will require students to work in teams on various (student and teacher) directed engineering projects. Students will apply and further develop skills they have learned in prerequisite engineering classes as well as learn new skills to further their understanding of the Engineering Design Process. Students will use various resources and skills such as Vex Robotics, Arduino boards, Autodesk Inventor (or comparable 3D modeling software), various programming languages, documentations, communication and presentation skills, 3-D printing and CNC machining to resolve real world problems.

APPLIED COMPUTER SKILLS

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 (CCS, 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)

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:	CP Math I and CP English

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. **Fee: \$15-\$25 + fee for AP Exam**

AP COMPUTER SCIENCE A **

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

Description:

The goals of the AP Computer Science A 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.

Fee: \$15-\$25 + fee for AP Exam

TECHNOLOGY INTERNSHIP

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

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, 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. Course will be taken as pass/fail. **Application Required.**

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	   
5140	Advanced Mandarin Conversation and Structure *	H	11-12	2	1.0	   
5150	AP Chinese: Language and Culture**	AP	11-12	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 Conversation and Structure*	H	11-12	2	1.0	   
5250	AP German: Language and Culture**	AP	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	AP Spanish: Language and Culture**	AP	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 Selections throughout Roman History	H	11-12	2	1.0	   
5450	AP Latin: Language and Culture**	AP	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:

To be successful in a world language, a student must be willing to study daily, complete daily homework assignments and memorize vocabulary. World Languages are taught sequentially. Each course offers one credit. Upon completion of a level, students are eligible to enroll in the next level.

Level I

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

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. Upon completion of the level, students are eligible to enroll in the next course if they perform at or above expected proficiency level and should have a strong interest in continuing the study of the language. **Fee: \$10-\$35**

- 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 or equivalent proficiency test shown, achievement at or above expected proficiency

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 and a strong desire to continue the language are eligible to take this course. **Fee: \$12-26**

German II

Spanish II

Latin II

Mandarin II

Level III

Grade Level: 10, 11, 12

Course Credit: 1 credit, two semesters

Prerequisite: Level II or above expected proficiency level on proficiency assessment

Description:

Level three is recommended for students who are motivated to move toward an intermediate level of proficiency. 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. Students who have successfully completed level two or who have demonstrated proficiency as determined from a language proficiency test or teacher recommendation are eligible to take this course. This course is recommended for college-bound students who plan to take university placement tests in a world language. Successful completion of this course is one of the requirements for an Ohio Honors Diploma.

Fee: \$5-\$17

German III

Spanish III

Latin III

Mandarin III

ADVANCED LANGUAGES

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. Recommendation of world language teacher is encouraged as well as a strong interest in continuing the study of the language.

MANDARIN

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

Advanced Mandarin Conversation and Structure * is designed to enable students to participate extensively in the life of the Chinese society. Students will be able to discuss, compare and contrast, support, or persuade an opinion in various topics. Grammar and writing skills will be refined in the context of cultural studies. Students will demonstrate understanding about the details of authentic texts. **Fee: \$5-\$15**

Grade Level: 12
Course Credit: two semesters, 1 credit
Prerequisite: Conversation and Structure

AP Chinese Language and Culture** emphasizes communication by applying the interpersonal, interpretive, and presentation modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies and cultural awareness. The AP Chinese Language and Culture Course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Chinese. **Fee: \$5-\$15 + fee for AP Exam**

GERMAN

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

Advanced German Conversation and Structure * provides students with opportunities to study current and historical topics and culture in German-speaking countries. Students will continue to learn vocab and structures vital to communication. They will improve their ability to understand and apply the German language in written and spoken form through consistent use of the language in class. Topics covered will include family relations, media, art, science and business. **Fee: \$13-\$26**

Grade Level: 12
Course Credit: two semesters, 1 credit
Prerequisite: Conversation and Structure

AP German Language and Culture** emphasizes communication by applying the interpersonal, interpretive, and presentation modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies and cultural awareness. The AP German Language and Culture Course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in German. **Fee: \$13-\$26 + fee for AP Exam**

LATIN

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

Advanced Latin Selections throughout Roman History* will continue to develop students' skills through exposure to authentic literature with an emphasis on poetry. The curriculum includes selections of Vergil, Horace, Catullus, Ovid and others. **Fee: \$5-\$15**

Grade Level: 12
Course Credit: two semesters, 1 credit
Prerequisite: Advanced Latin Selections throughout Roman History

AP Latin:** focuses on the in-depth study of selections from two of the greatest works in Latin Literature: Vergil's *Aeneid* and Caesar's *Galic War*. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, student consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates and presentations. Additional English reading from both of these works help place the Latin readings in significant context. **Fee: \$5-\$15 + fee for AP Exam**

SPANISH

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

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. **Fee: \$4-\$12**

Grade Level: 12
Course Credit: two semesters, 1 credit
Prerequisite: Advanced Spanish Conversation and Structure

AP Spanish Language and Culture** emphasizes communication by applying the interpersonal, interpretive, and presentation modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies and cultural awareness. The AP Spanish Language and Culture Course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. **Fee: \$4-\$12 + fee for AP Exam**