Program of Studies
2023 - 2024

Solon City Schools, a diverse collaborative learning community of families, staff, and community members, will ensure all students attain the knowledge and skills to succeed and become contributing, ethical citizens in a global society, through our unwavering commitment to inspire every student to achieve personal excellence.

Solon High School

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From the Principal . . .

Dear Students and Parents,

This 2023-2024 Program of Studies is designed to acquaint you with the various programs and courses offered at Solon High School. There are many options to consider when planning your personal schedule. Vast opportunities exist across the curriculum from required courses in core academic areas to electives in business, computer technology, STEM, industrial technology, world languages, fine arts, performing arts and physical education. Whether your future plans include college, the world of work, or the military, we have a program to match your needs.

Please consider your schedule very carefully. Good planning and course selection in the beginning of the scheduling process will help in our efforts to give you the priorities you choose. Be sure to include your parents and your counselor in all decisions concerning your schedule.

As you plan for next year, read this information carefully. Ask questions and take a serious look at your educational goals. Evaluate what you have accomplished and what is yet to be done, but do not forget the importance of balance in your life. Finally, it is important that you approach your schedule by looking through the lens of what is best for you! Pursue your passions, try something new. Now is the time to take advantage of the many unique opportunities in front of you.

Sincerely,

Erin A. Short

Erin Short
Principal

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Solon High School
349-6230

Erin Short, Principal
Josh Frazier, Assistant Principal
Erica Kosiorek, Assistant Principal
Carla Rodenbucher, Assistant Principal
Ann Trocchio, Counselor, Dept. Chair
Kathleen Kinney, Counselor
Rick Nowak, Counselor
Cindy Russell, Counselor
Brad Sims, Counselor
Jim McQuaide, Athletic Director

PLANNING & POLICIES

How to Plan Your Program of Studies

Students are encouraged to carefully plan a program of studies that will assist them in reaching their educational and occupational goals. The information outlined on the following pages is designed to guide students in selecting the subjects that will lead toward achieving their goals.

It is important that you select courses to fit your career plans. It is suggested that you:
Review all requirements for graduation, read the information given about each department, and use your Course Planner form (on pages 56 and 574) and complete the form for your four-year program, paying particular attention to graduation requirements.

Ohio Core Graduation Requirements

Subject	Credits
English 9, 10, 11, 12	4 credits
Health	1/2 credit
Mathematics (must include Algebra II or equivalent)	4 credits
Physical Education (Courses are semester courses & are each 1/4 credit)	1/2 credit

Science
• Biology 1 credit
• Chemistry 1 credit
• Advanced study in: 1 credit
  • Physics or advanced Physics
  • Advanced Biology or advanced Chemistry
  • Environmental Science or advanced Environmental Science
  • Anatomy or Forensics
	3 credits

Social Studies • World History 1 credit • U.S. History 1 credit • U.S. Government ½ credit • Elective ½ credit (Financial Literacy can fulfill this ½ credit Elective) • Financial Literacy ½ credit	3 credits
Fine Arts One year-long course or two semester courses	1 credit
Electives One sequence or any combination of world language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education, or English language arts, mathematics, science, or social studies courses not otherwise required.	5 credits

In order to participate in commencement, students must meet all graduation credit and additional state requirements (refer to page 6).

Note to Parents and Students Regarding Graduation Requirements

It is the student's responsibility to see that requirements for graduation are met. The high school will make every effort to keep up-to-date records and to keep students and parents informed about the status toward compiling the necessary coursework for graduation requirements. However, it is the student's responsibility to be acquainted with the necessary requirements to meet this goal.

Fine Arts Courses

The following are recognized by Solon High School as courses which fulfill the Fine Arts credit requirement.

ART	
Advanced Sculpture	1.0
Advanced Studio Art	1.0
Animation (CG3)	1.0
AP 2-D Design	1.0
AP Art History	1.0
AP Studio Art	1.0
Ceramics I	.5
Ceramics II	.5
Computer Graphics I	.5
Computer Graphics II	.5
Design Fundamentals	.5
Digital Photography	.5
Drawing I	.5
Drawing II and Printmaking	.5
Painting I	.5
Painting II	.5
Photography	.5

ENGLISH	
Creative Writing	.5
Debate	.5
Film Studies	.5
Media Communication	.5
Public Speaking	.5

FAMILY & CONSUMER SCIENCES	
Creative Cuisine I	.5
Creative Cuisine II	.5
Fashion, Marketing and Design	.5
Advanced Fashion	.5

MUSIC	
Band	1.0
Orchestra	1.0
Music Theory	1.0
AP Music Theory	1.0
Concert Choir	1.0
A cappella Choir	1.0
Music In Motion	1.0

TECHNOLOGY & ENGINEERING	
Auto CAD I	.5
Auto CAD II	.5
Graphic Arts	.5
Production Technology	.5
Robotics	.5
Woods/Home Construction Tech	.5

EXCEL TECC PROGRAMS	1.0

Career Readiness

The Resume is completed in 11th grade and updated senior year. It serves as a validation of the student's educational and career experiences and can be used to provide colleges, training institutions, and employers with information for screening, interviewing, and selecting applicants. Students focus on skills such as analytic reasoning, problem solving and teamwork in order to be college and career ready.

Honors Diploma

Criterion	Ohio Diploma	Academic Honors Diploma	International Baccalaureate Honors Diploma	Career Tech Honors Diploma	STEM Honors Diploma	Arts Honors Diploma (includes dance, drama/theatre, music, and visual art)	Social Science & Civic Engagement Honors Diploma
Math	4 units, must include one unit of Algebra II or equivalent	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher-level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher-level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher-level course or 4 course sequence that contains equivalent or higher content	5 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher-level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher-level course or 4 course sequence that contains equivalent or higher content	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher-level course or 4 course sequence that contains equivalent or higher content
Science	3 units	4 units, including two units of advanced science	4 units, Biology, Chemistry, and at least one additional advance science	4 units, including two units of advanced science	5 units, including two units of advanced science	3 units, including one unit of advanced science	3 units, including one unit of advanced science
Social Studies	3 units	4 units	4 units	4 units	3 units	3 units	5 units
World Languages	N/A	3 units of one world language, or no less than 2 units of each of two world languages studied	4 units minimum, with at least 2 units in each language studied	2 units of one World Language studied	3 units of one World Language, or no less than 2 units of each of two World Languages studied	3 units of one World Language, or no less than 2 units of each of two World Languages studied	3 units of one World Language, or no less than 2 units of each of two World Languages studied
Fine Arts	2 Semesters	1 unit	1 unit	N/A	1 unit	4 units	1 unit
Electives	5 units	N/A	N/A	4 units of Career-Technical minimum	2 units with a focus in STEM courses	2 units with a focus in fine arts coursework	3 units with a focus in social sciences and/or civics
GPA	N/A	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT/ WorkKeys	N/A	27 ACT/1280 SAT	27 ACT/1280 SAT	27 ACT/1280 SAT / WorkKeys (6 Reading for Information & 6 Applied Mathematics)	27 ACT/1280 SAT	27 ACT/1280 SAT	27 ACT/1280 SAT
Field Experience	N/A	N/A	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus
Portfolio	N/A	N/A	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts
Additional Assessments	N/A	N/A	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent	N/A	N/A	N/A

The state's Education Department determines the criteria for various types of Honor Diplomas. Criteria for the various types are listed above.
Please refer to the State's website (education.ohio.gov). Search for honors diplomas. Click on revised honors diplomas grid.

Additional State Requirements for Graduation

Students must earn a passing score on Ohio's high school Algebra I and English II tests and earn two of a possible twelve diploma seals. Below is the list of possible seals; you must earn at least one of the state defined type of seals. These seals give you the chance to demonstrate academic, technical and professional readiness for careers, college, the military or self-sustaining professions.

State Defined:
OhioMeansJobs Readiness Seal
Industry-Recognized Credential Seal
College-Ready Seal
Military Enlistment Seal
Citizenship Seal
Science Seal
Honors Diploma Seal
Seal of Biliteracy
Technology Seal

Locally Defined:
Fine and Performing Arts Seal
Student Engagement Seal
Community Service Seal

Credit for Promotion

The minimum student course load is 5 credits per year. Students are encouraged to take more than five credits.

To Grade 10: A student will be promoted to 10th grade with a completed minimum of 5 credits.
To Grade 11: A student will be promoted to 11th grade with a completed minimum of 10 credits.
To Grade 12: A student will be promoted to 12th grade with a completed minimum of 15 credits.

Note: These guidelines should be viewed as minimum. Usually, a student will have earned more credits than are needed for promotion.

It is the student's responsibility to see that requirements for graduation are met. The high school will make every effort to keep up-to-date records and to keep students and parents informed about the status of progress toward compiling the necessary course work for graduation requirements. However, it is the student's responsibility to be acquainted with the necessary requirements for graduation.

College Entrance Recommendations

The School's Counseling Department recommends a college preparatory program which includes:

- 4 years of English, with emphasis on composition
- 4 years of mathematics (Algebra I, II and Geometry)
- 3-4 years of science (Biology, Chemistry, Physics)
- 3-4 years of social studies
- 2-3 years of world language
- 1 year of fine, applied or performing arts

Because of varying university requirements, students are encouraged to check the most recent policies regarding course requirements with each university or college admission office.

Summer School

Summer school information will be available in May. Talk to your school counselor for specific details.

Repeating a Course

Students who earn a passing grade but choose to repeat a course (this includes, but is not limited to, courses taken through SHS, CCP, online, summer school, etc.), be advised both classes and grades will be posted to your transcript and included in your GPA.

Students who earn an F in any course should meet with their school counselor to discuss if they should repeat the course the following year or if they can take it in summer school. Please be advised that both the failed course and repeated course grades will be posted to your transcript and included in your GPA.

Changing a Schedule

Students may change their schedule if they meet one or more of the listed criteria:

1. If a student does not have 5 credits each semester.
2. If a student wants to go up a level, i.e.: Geometry to Honors Geometry, English to AP English.
3. Adjustments due to successful completion of summer school.
4. If a student's schedule is in error – not given the original course request from previous year.
5. Add any additional course(s) where enrollment permits and does not require movement of other courses.

Dropping a Course: If a student drops a course after May 5, 2023, and does not meet one or more of the listed criteria, that dropped course will be denoted on their transcript as a Withdraw. Note: Year-long courses must be dropped by the end of the first semester; semester courses must be dropped by the end of the first nine weeks of the semester.

Adding a class: Students will not be allowed to add a course to their schedule after two weeks from the start of the course.

Changing a level: Students will not be allowed to change a level (for example, AP Physics to Physics) **after five weeks** from the start of the course. However, if students are choosing to accelerate, please refer to the Acceleration Policy in the Credit Flex Application.

Be advised that if you move down a level (i.e.: AP Psychology to Psychology) a WD will be posted to the transcript.

Senior Clause – In addition to the above penalty, a senior who drops a class will not be eligible for late arrival or early dismissal if that dropped course falls in periods 1 or 7.

Athletic Eligibility Requirements

Student athletes shall fulfill all requirements as set forth by the Ohio High School Athletic Association, including the requirement to pass a minimum of five credits in the preceding grading period.

The participant must meet all standards set by the Ohio High School Athletic Association By-Laws regarding academics, age, amateur status, enrollment and attendance, recruiting, residence, and transfers. Copies of these By-Laws are located online.

In order to be eligible in grades 9-12, a student must be currently enrolled in school the grading period immediately preceding. During the preceding grading period, the student must have received passing grades in a minimum of five one-credit courses which count toward graduation. **Physical education and Peer Leader courses do not count towards the credits needed for athletic eligibility.**

Grades

Our online Grade Book through PowerSchool software allows both parents and students access to a student's information (via any Internet access) reported directly from teachers' records. All students receive a unique ID number and PIN code for accessing their current classroom information. To access PowerSchool, go to http://www.solonschools.org/shs and click on "PowerSchool Gradebook Login" under "Quick Links."

Student report cards are posted each nine weeks and will reflect the record of achievement for the student during that nine-week period of time only. Grades will represent sufficient assigned work as a realistic evaluation for pupil progress.

The nine weeks grade will be expressed by percentage for the purpose of figuring and reporting a semester or yearly grade. A grade corresponding to the percentage will appear on the grade card. Final letter grades for a course are listed on the transcript. The percentage will be reflected as a whole number, no decimals will be used, and we will not round.

Student grades will be figured using an average of the quarter and mid-term exam percentages. In a year-long class each quarter will be worth 23% of the final grade and the mid-term exam will be worth 8% of the final grade. In a semester class each quarter will be worth 50% of the final grade. Please see the following examples for greater definition.

SHS Grading Scale:

A = 90 – 100% B = 80 – 89% C = 70 – 79% D = 60 – 69% F = 59% and below

Point Values for SHS Classes:

	AP	Honors	College Prep
A	5.0	4.5	4.0
B	3.75	3.375	3.0
C	2.5	2.25	2.0
D	1.0	1.0	1.0
F	0	0	0

Exam Grade and Attendance

Regular classes will not meet during mid-term exams. Students will be required to attend only when an exam is scheduled. All exams (both midterms and assessments taken the last three days of the school year) **must** be taken during the **three-day testing period**. No exceptions will be made. If your student misses all three days without medical documentation, he/she will receive zeros on the exams.

Failure to attend an exam at the scheduled time will result in an "F" for the exam grade for that subject unless:

a. Arrangements to take that exam at another time were approved by the principal **prior** to the day of the exam or
b. In the case of illness or other emergency situation, the school has been promptly notified and arrangements for the make-up exam have been made.

Semester classes are not scheduled to test during the mid-term days. The final grade of a semester class is calculated using only the two grading period grades.

How to Determine Final Grade

(In year-long classes the basement for an F on the midterm exam or for the quarter will be 42%. In semester classes the basement for the quarter grade will be 50%.)

Example Semester Course – each quarter worth 50%

Q1 (50%)	Q2 (50%)	Final Grade
93%	84%	88% = B

Example Year-Long Courses – each quarter is worth 23% and mid-term worth 8%

Q1 (23%)	Q2 (23%)	Exam (8%)	Q3 (23%)	Q4 (23%)	Final Grade
82% x .23 (18.86)	79% x .23 (18.17)	80% x .08 (6.4)	92% x .23 (21.16)	94% x .23 (21.62)	B (86.21)

Grade Point Average and Transcripts

To calculate a student's GPA for the quarter, multiply the Credit for the course by the Grade Point Value (see chart on previous page) to determine the Grade Point for each class. To calculate the GPA divide the Total Grade Points by the Total Credits.

To calculate a student's overall GPA, use the student's final grade in a course and calculate the GPA as done for the quarter.

A transcript is a document indicating a student's final record of high school performance which includes credits attempted and earned, final grades for each course (quarter and mid-term exam grades are not included once the course is complete), any courses marked WD or WF, and the attendance record. If students request a transcript during the school year before all their courses have been completed and credit is earned, quarter and in-progress grades will appear.

Students who transfer to Solon High School will only receive weighted grades for those courses which are offered and weighted courses offered at Solon High School.

Fee Schedule

The Board of Education approved the following school fees for Solon High School during the 2023-24 school year. This list does not include fees for workbooks which are used in some courses and noted throughout this book.*

SUBJECT	TERM	APPROXIMATE AMOUNT
ART		
AP 2-D Design	1 Year	32.00
AP Art History	1 Year	32.00
AP Drawing	1 Year	52.00
Advanced Sculpture	1 Year	52.00
Advanced Studio	1 Year	37.00
Animation I	1 Semester	35.00
Animation II	1 Semester	35.00
Ceramics I	1 Semester	47.00
Ceramics II	1 Semester	47.00
Computer Graphics I	1 Semester	21.00
Computer Graphics II	1 Semester	21.00
Digital Photography	1 Semester	32.00
Drawing I	1 Semester	26.00
Drawing II & Printmaking	1 Semester	26.00
Painting I	1 Semester	37.00
Painting II	1 Semester	37.00
Photography	1 Semester	32.00
FAMILY & CONSUMER SCIENCES		
Children's World	1 Semester	17.00
Creative Cuisine I	1 Semester	27.00
Creative Cuisine II	1 Semester	27.00
Fashion Marketing & Design	1 Semester	11.00
Advanced Fashion	1 Semester	16.00
Foods for Fitness	1 Semester	26.00
Single Survival	1 Semester	22.00
Teen Topics	1 Semester	17.00
HEALTH & PHYSICAL EDUCATION		
Basketball	1 Semester (jersey fee)	16.00
MATH		
Intro to Computer Programming	1 Semester	1.00
AP Computer Science A	1 Year	1.00

SUBJECT	TERM	APPROXIMATE AMOUNT
MUSIC		
Band	1 Year	29.00
Choir	1 Year	8.00
All Orchestras	1 Year	20.00
SCIENCE		
Biology	1 Year	20.00
Honors Biology	1 Year	20.00
Anatomy & Physiology	1 Year	55.00
AP Biology	1 Year	30.00
Chemistry	1 Year	20.00
Honors Chemistry	1 Year	20.00
AP Chemistry	1 Year	30.00
Physics	1 Year	20.00
AP Physics 1	1 Year	30.00
AP Physics 2	1 Year	30.00
Environmental Science	1 Year	30.00
AP Environmental Science	1 Year	30.00
Forensics Science	1 Year	55.00
TECHNOLOGY & ENGINEERING		
Engineering Applications	1 Semester	26.00
Graphic Arts	1 Semester	32.00
AutoCAD I	1 Semester	16.00
AutoCAD II	1 Semester	16.00
Woods & Home Construction Technology	1 Semester	26.00
SENIOR FEE		5.00
TECHNOLOGY FEE		30.00

All students taking AP courses will be required to take an exam in May. The fee for the exam is approximately $102 per each AP exam. AP Seminar and AP Research will cost more. Make checks payable to Solon Board of Education and submit to the Bookstore no later than March 1, 2024.

Fees are charged for Technical Education courses. Official information regarding fees will be provided upon application to the program.

*** Fees are subject to change. Fees for 2023-24 will not be established until the summer.**

SPECIAL SERVICES

Progress Monitoring

At Solon High School, an extensive and systematic program has been implemented to ensure that all students are meeting academic standards. This Pyramid of Strategies is a collaborative effort among teachers, administrators, parents, and the students themselves. Communication and input with parents and students are key to identifying the level of assistance necessary as well as which specific strategies may help individual students close learning gaps.

Students who are struggling are encouraged by teachers to take advantage of the various options for additional help offered at Solon High School during the school day.

Parents are urged to monitor their children's academic progress continually throughout the school year. Solon High School provides several easily accessible tools to aid in this process.

- **Grade Book PowerSchool** provides a real-time look at students' grades and their performance on individual assignments and assessments. A password to access the confidential online grade book is mailed to parents at the beginning of the school year. Use this same password for the remainder of years the student attends Solon High School.

- **Teacher Webpages** are another convenient way for parents and students to keep up with assignments and upcoming assessments. Teachers post the week's lesson plans and online weekly assignments.

Whenever questions arise, parents and students should contact the teacher via email or voice mail. Contact information for all staff members is posted on the Solon High School home page on the district web site at www.solonschools.org.

School Counseling Services

School counseling services are available to students in grades 9-12. There are five full-time counselors who advise students on their personal/social/emotional health, academic career interests, and college advising. Additionally, a financial aid advisor is on staff on a part-time basis. A Student Assistance Facilitator and a SAY counselor are available 5 days a week for emotional/social support. College essay advisors are available for college essay help.

The School Counseling Department encourages students to request assistance in planning their educational program for their high school and college years. The Solon High School Counseling Website (www.solonschools.org/Page/2912) provides parents and students with the most up-to-date information regarding the college application process, website links, and all of our student handouts and forms. Please use our website for a wealth of career and college planning information. The Naviance College Planning Program is a useful tool available to our students through the school counseling website. Students can access and explore information regarding colleges, resume preparation, careers, and course planning at either of these sites.

As you plan, consider the following:

1. *Am I fulfilling specific graduation requirements?*
2. *Am I choosing courses most appropriate to my interests and abilities?*
3. *Am I preparing for post-high school opportunities?*

School counseling administers the following tests:

- **The Pre-ACT** for freshmen and sophomores. The Pre-ACT is a practice ACT test with a career resource component. It determines the student's academic strengths and weaknesses in English, math, reading and science. Counselors use the information to determine college readiness and guiding students in appropriate course selections and college planning. They also will review results with students regarding career paths and college majors.
- **The PSAT** for sophomores and juniors. The PSAT is a practice SAT. Counselors use the results to guide students in their decision-making process with regard to college admissions testing. They also review with the students areas of strengths and weaknesses. When taken as a junior, this test identifies potential National Merit Scholars based on their scores.
- **ACT & SAT.** These tests are college admissions tests. Students may choose to take either of these tests. Counselors will advise their students in making the choice of which tests to take. Colleges will always use the best score from these exams. Students may register for these exams online at www.actstudent.org and www.collegeboard.org.

Transcript requests can be made by going to the School Counseling website. Seniors should request transcripts to be sent to colleges to which they are applying through our Naviance program. Also, at the end of the year, transcripts are sent to the colleges to which the student has committed to attending. These transcripts are sent electronically through Naviance.

Transcripts include the following:

- Year-end grades for year-long courses and semester grades for semester courses (No quarter, mid-term exam or final exam grades will appear on the transcript, except mid-year transcripts for seniors.)
- GPA attained for each year
- Cumulative GPA
- Absence and tardy counts for each academic year

Counselor assignments are as follows:

	Mrs. Cindy Russell	(440) 349-6242	cynthiarussell@solonboe.org	A – C
	Mr. Rick Nowak	(440) 349-6243	ricknowak@solonboe.org	D – HO
	Ms. Ann Trocchio	(440) 349-7407	anntrocchio@solonboe.org	HP – MC
	Mrs. Kathleen Kinney	(440) 349-7307	kathleenkinney@solonboe.org	MD – SEE
	Mr. Brad Sims	(440) 349-6241	bradsims@solonboe.org	SEF – Z
(Student Facilitator)	Mrs. Jodie Lurie	(440) 349-7382	jodielurie@solonboe.org	
(SAY Social Worker)	Ms. Adriana Ripma	(440) 349-7296	adrianaripma@solonboe.org	

EDUCATIONAL OPTIONS

Senior Project

This program gives seniors the opportunity to provide them with real-life experiences in their career choices. For two weeks in May, a participating senior will "shadow" a mentor in a field in which the student has shown interest. The student will gain an understanding of the practical nature of the professional world – an experience that will provide the necessary drive to succeed in post-secondary endeavors.

Seniors will have to meet certain requirements regarding grade point average, attendance and discipline. Details regarding these requirements will be announced to the senior class at a meeting in the fall. Solon High School can provide a list of possible on-site sponsors; however, students need to find their own placement. Students will be required to write a daily journal entry and essay paper and will make a short presentation on the project experience. The last day of school for seniors who participate is late April or early May.

Advanced Placement Courses/Examinations

Solon High School's Advanced Placement program is an opportunity for students to pursue college-level studies while still in secondary school. Through this program they may earn credit, advanced placement, or both, for college. Students who take AP courses learn a subject in depth, develop analytical reasoning skills, and form disciplined study habits that can contribute to continued success at the college level. Students who choose to enroll in one or more AP courses need to consider the information listed below before making final course selections:

- All AP courses have recommended prerequisites. Students should have successfully met the prerequisites for the AP course. Prerequisites are listed in the individual course descriptions.
- AP courses are college level courses. The expectations are at a college level. The work in the classroom is rigorous. The preparation time outside of class such as homework, outside readings, and research may be extensive. Students should be prepared to spend anywhere from 1-3 hours a night on related work.
- All students are required to take the AP exam at the end of the year. Taking the AP exam enables students to compare their knowledge and understanding of a college-level subject with the high academic standards established by college faculty.
- Because of their rigor, AP courses are assigned a weighted grade factor of .25 except for students receiving a grade of D or F.

Solon High School offers the following Advanced Placement courses: Biology, Chemistry, Physics, Statistics, Computer Science, Computer Science Principles, Environmental Science, Chinese, French, Spanish, American Government, World, European and United States History, Comparative Government, Human Geography, Economics, Psychology, Calculus AB and BC, Art History, Drawing, 2-D Design, Music Theory, Seminar, Literature, Language, and Research.

The fee for each AP exam is approximately $102 and is the responsibility of the student. AP Seminar and AP Research will cost more. The fee is due no later than the first Friday in March.

AP Capstone Program

The College Board's AP Capstone is an innovative college-level program based on two courses - AP Seminar and AP Research - that complement and enhance discipline-specific AP courses. The program immerses high school students in the challenging practice of the critical skills students need today. The ability to think independently, write effectively, research, collaborate, and learn across disciplines is essential for success in college and beyond.

AP Capstone was developed in response to feedback from higher education and is easily implemented, affordable, and flexible. It has the potential to differentiate and transform high schools and their students by elevating the learning environment through a rigorous, college-level program with high standards of assessment.

AP Capstone Diploma
Students who earn scores of 3 or higher in AP Seminar or AP Seminar the African Diaspora and AP Research and on four additional AP Exams of their choosing, will receive the AP Capstone Diploma. This option allows students taking multiple AP courses to distinguish themselves to colleges and universities. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research Certificate.

College Credit Plus

This program has been established to permit high school students to take coursework at the high school and at a local college simultaneously. The program is intended to provide expanded opportunities for appropriately qualified high school students to experience coursework at the college or university level. The high school continues to be responsible for providing a comprehensive and challenging college preparatory curriculum including Advanced Placement and other advanced level courses for students. College courses should either contribute to or supplement the broad academic preparation needed by high school students. **Seniors are not permitted to take graduation required classes the second semester of their senior year through this program.**

CCP grades will be posted at the semester.

Students must be remediation-free on one of the tests established by the college presidents or meet alternative criteria to be eligible for CCP. The college/university must pay for one assessment to determine eligibility. When there is a dispute regarding the granting of credit, the school's decision is now appealed to the Department of Education.

Cuyahoga Community College (Example) Associate of Arts 15/30 Hour Blocks		
Course Number	**Course Name**	**Semester Hours**
ENG 1010	College Composition I	3
HIST 1010	History of Civilization I	3
MATH 1250	Contemporary Math	4
PHIL 1010	Intro to Philosophy	3
PSYC 1010	General Psychology	3
	Total	**16**
ENG 1020	College Composition II	3
HIST 1020	History of Civilization II	3
SPCH 1010	Fund of Speech Comm	3
SOC 1010	Introductory Sociology	3
LABORATORY SCIENCE		4
	Total	**16**

* Subject to change depending upon the State Board of Regents approval of rules and regulations.

Credit Flexibility

- Students may earn credits through:
  - The completion of coursework;
  - Testing out of or demonstrating mastery of course content; or
  - Pursuing one or more educational options in accordance with the District's Credit Flexibility Plan.
- Issuance of credit will be determined locally.
- School and students who choose educational options will pre-identify and agree on the learning outcomes.
- Credits earned through this alternative means will be reflected on students' transcripts in the same way as traditional credits earned via seat time.

Peer Leader Program

The Peer Leader Program is a course designed to assist students who have needs within their classroom environment. The course pairs a student with a classroom that could benefit from positive relationships and content support for students. Placing peers into classrooms with students who are struggling in these areas can often help support peers with their empathy and leadership skills. It also allows the teacher to focus on all students within the classroom, balancing his/her time with each student, since there is another support point person in the room. Peers learn to collaborate with their fellow students as well as the classroom teacher.

The Peer Leader (PL) program is available to students who have a study hall in their schedule. Peer Leaders will earn up to .50 elective credit (.25 per semester) for successful participation in the program. Daily attendance is the expectation for all Peer Leaders. This course does not count toward athletic eligibility.

ACADEMIC AWARDS

Honor / Merit Roll and Award Program

Honor and Merit Roll are computed at the end of each nine-week grading period. Students in grades 9-12 who earn a cumulative grade point average of 3.0 or above during the first three grading periods are honored in the spring at a recognition program sponsored by the school, PTA, and Academic Boosters Club. Awards for cumulative GPA at these programs are based on seven semesters plus three grading periods of the senior year.

Merit Roll - students earning a 3.0 to 3.49 grade point average*

Honor Roll - students earning a 3.5 to 5.0 grade point average*

*A student is ineligible for a quarter's Merit/Honor Roll if the student receives a D, F or I in any subject.

Academic Graduation Medal

Academic medals to be worn at the graduation ceremony are awarded by the Solon Academic Boosters to seniors who are graduating with at least a 3.5 cumulative grade point average (calculation based on seven semesters plus three grading periods of the senior year).

Academic Letter

Students who achieve a grade point average of 3.5 or above for the first three grading periods in an academic year at Solon High School qualify to receive an academic letter. Pins to add to the letter are awarded for the second and third times the student qualifies. These items are awarded by the Academic Boosters Club to students.

National Honor Society

The National Honor Society is a national organization for the recognition of students who reflect outstanding accomplishments in the areas of scholarship, leadership, service, and character.

To be considered for selection into the National Honor Society, a Solon High School junior or senior must meet the following criteria:

- Cumulative grade point average of 3.5 or above.
- Submit a resume of activities to support leadership, service and character (by an established deadline).
- Candidates will be rated by faculty based on leadership and character. (Please be advised that this includes daily participation and behavior in all the student's classes).
- Final selection into the National Honor Society shall be by a majority vote of the Solon High National Honor Society Faculty Advisory Council.

Selected juniors and seniors shall be inducted each spring.

Student Recognition Programs

Teachers nominate one student in each class to be a Rising S.T.A.R.S. (acronym for Solon Teachers Are Recognizing Students). Nominations are based on who has improved the most academically during the quarter or from the previous quarter. A lunch/treat and certificate is presented to the students for their work in the first, second and third quarters. The Academic Booster Club provides the lunch/treat during the students' regularly assigned lunch period.

Each semester, teachers nominate two students from their classes and/or two students in clubs or activities that they advise to receive a Comet of the Semester. Nominations are based on citizenship, service, motivation, creativity, and/or leadership. Students are awarded a certificate during a continental breakfast held before the school day begins.

Teachers award a "Gotcha" card when students display Comet P.R.I.D.E. (**P**ersonal **R**esponsibility, **R**espect, **I**ntegrity, **D**iscipline of Self, **E**mpathy). Names of students earning the award are submitted monthly. Drawings are held and prizes are distributed monthly.

ART

Courses

All courses are semester courses except the AP courses, Advanced Studio, Advanced Sculpture, and Advanced Computer Graphics.

Drawing I
Drawing II & Printmaking
Painting I
Painting II
Advanced Studio
AP Drawing
AP Art History

Computer Graphics I
Computer Graphics II
Animation I
Animation II
Digital Photography
Photography
AP 2-D Design

Ceramics I
Ceramics II
Advanced Sculpture

College and Career Tracks

Taking courses in sequence is recommended.
* Courses = Prerequisite or teacher permission required.

	LEVEL 1	***LEVEL 2***	***LEVEL 3***	***LEVEL 4***
STUDIO TRACK	**Drawing I**	*** Drawing II** **Painting I** **Painting II**	*** Advanced Studio**	*** AP Drawing** *** AP Art History**
2D DESIGN TRACK	**Computer Graphics I** **Digital Photo**	***Computer Graphics II** **Animation I** ***Photo**	**Animation II**	*** AP 2-D Design**
3D SCULP-TURE TRACK	**Ceramics I**	*** Ceramics II**	*** Advanced Sculpture**	

Drawing I

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

It is amazing how easy drawing can be once you've been shown how to see your subject. This course is geared towards beginning and experienced artists. You will demonstrate basic technical skills using a variety of drawing materials. Subjects studied in this course vary from collage, still-life, perspective and the human face. You will identify sources artists use for visual reference to generate ideas for artworks. This course is recommended to continue your studies in Studio Art for the college-bound art students. Fee: $26

Painting I

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

Have you ever been lost in a painting? Well imagine someone being lost in your painting! This course is designed for beginning and experienced artists. You will explore color, painting styles, and brush techniques by contemporary and historical artists. The use of watercolor, acrylic paint, and other media will be explored as a means to create images that are personally expressive. This course is recommended to continue your studies in Studio Art for the college-bound art students. Fee: $37

Painting II

(5 periods per week for 1 semester - 1/2 Credit)

This course is designed for students who want to examine their ideas, thoughts and experiences through painting. Students will create paintings mastering techniques used in Painting I and experience oil painting skills for the first time. The use of watercolor, acrylic paint, and oil painting will be explored to create images that are personally expressive. This course is recommended to continue your studies in Studio Art for the college-bound art student. Fee: $37

Drawing II & Printmaking

Intermediate Level Course
(5 periods per week for 1 semester - 1/2 Credit)

Do you enjoy being surrounded in art images and creating creative expressive drawings? This is the course for you! You will demonstrate proficient technical skills with various art media when creating from observation, memory and imagination. During this course you will communicate through human form as well as the elements and principles of design. Printmaking techniques will be introduced as a different way of expressing your ideas. This course is required to take Advanced Studio for the college-bound art students. Fee: $26

Advanced Studio

Advanced Level Course
(5 periods per week for 1 year - 1 Credit)

Now that you have mastered design, drawing and painting, learn to develop your personal artistic style and communication. Do you need a portfolio for art school or college admissions? This year long course will help you create theme-based works of art and show you how to represent yourself for college admission or AP Studio Art. This course is required in order to take AP Studio Art in your senior year. Fee: $37

AP Drawing

Accelerated Level Course
(5 periods per week for 1 year - 1 Credit)

This college entry-level studio portfolio course provides advanced challenges with synthesis of materials, process and ideas of students. Course requirements are the completion of 15 sustained investigations pieces showing process, materials and evidence of research. Students will also choose five selected works that showcase their skills. These five pieces will be shipped off for evaluation. Students earning an Advanced Placement score of three to five on their portfolio can earn entry-level credit at their respective colleges. Students work independently with the teacher as a consultation. Extensive in and out-of-class commitment is necessary to complete your portfolio. Fee: $52

AP Art History

(5 periods per week for 1 year - 1 Credit)

AP Art History emphasizes understanding works of art within their historical context by examining issues such as politics, class, religion, patronage, audience, gender, function, and ethnicity. The course teaches students to understand works of art through both visual and contextual analysis. Students who have done well in other courses in the humanities, such as history and literature, or in any of the studio arts are especially encouraged to enroll. This course can result in college placement credit for successful candidates. Fee: $32

Ceramics I

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

If you like using your hands to express yourself then this is the course for you. This course explores the scientific elements of clay and glazing. You will investigate functional forms such as vases, pots, mugs and non-functional pots using hand building techniques. The clay is awaiting your creative minds and abilities! Fee: $32 + $15 fee for clay

Ceramics II

Intermediate Level Course
(5 periods per week for 1 semester - 1/2 Credit)

This course is designed to investigate sculptural forms and explore multiple solutions to visual art problems through clay and other materials. You will expand on hand building skills learned in Ceramics I and begin throwing on the wheel. In this class, you will use observation and imagination to demonstrate proficient skills. Through class discussions and research, you will create amazing art. Fee: $32 + $15 fee for clay

Computer Graphics I

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

If you love working on the computer and have an interest in the visual arts, this class is for you. Learn how to use the computer as a tool for layout, illustration and design. Students will learn Photoshop to experience a wide range of commercial design and creative fine art projects. Fee: $21

Computer Graphics II

Intermediate Level Course
5 periods per week for 1 semester - 1/2 Credit - Grades 10-12)

Expand and apply your computer graphics skills to several different programs and formats in this visual arts class. Students will create integrated graphics through multiple computer programs. Students will explore design layout, web design and basic animation through this course. Fee: $21

Digital Photography

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

Today everyone with a smartphone camera can snap a picture. Learn how to have your images stand out and what it means to be a photographer.

Basic photographic skills will be introduced to you in challenging and engaging assignments that allow you to explore the technical, conceptual and historic components of photography and how it applies to art and our world today.

Based mainly in digital photography, this course will allow you to take your photos in and outside of class. The studio structure of this course allows time for refinement and individual feedback along with artistic choice to create outstanding imagery. Students will build a web-based portfolio of their daily work throughout the semester. Portfolio work will be ready for show or framed display.

Smartphone or digital camera is required. Fee: $32

Photography

Intermediate Level Course
(5 periods per week for 1 semester - 1/2 Credit)

A picture shows something. A photograph tells a story.

Challenging and engaging assignments will allow you to explore advanced photographic concepts and techniques using a variety of cameras to create work that shows personal expression and creative development.

Students will have the opportunity to work with the latest digital photo illustration techniques as well as traditional black and white film and darkrooms study to create meaningful, artistic images. The studio structure of this course will allow students time for refinement of work and ideas along with the individual feedback needed to create great images. Students will build a digital portfolio to showcase work ready for college resume and show opportunities.

Smartphone/digital camera is required. Film camera is recommended. Fee: $32

Advanced Sculpture

Advanced Level Course
(5 periods per week for 1 year - 1 Credit)

A year long course, Advanced Sculpture will be a third-tier advanced course in the Solon High School visual art program. The course would be available to students who have taken Ceramics I & II and have an interest in pursuing an AP 3D Design portfolio. The course would be based in Ohio's visual arts standards at the HS Advanced level.
Fee: $37 + $15 fee for clay

Animation I

Beginning Level Course
(5 periods per week for 1 semester - 1/2 Credit)

Basic Digital Animation Skills introduced in Photoshop. Character Design, Rigging and animation flow. Introduced to stop motion animation skills and animation specific programs within the adobe platform. The studio structure of the course will allow you time to understand and apply course knowledge in-program while also giving you a solid structure to understand how to animate your work. You will come away from this course with an in-depth understanding of basic animation techniques and a portfolio of animations to share and display. Fee: $35

Animation II

Intermediate Level Course
(5 periods per week for 1 semester - 1/2 Credit)

Will allow you to explore and apply more in-depth knowledge of animation techniques in a variety of platforms. Start with more advanced Digital Adobe programs then transition to stop motion character design, construction, articulation, and animation. This course offers you access to some of the more high-end technology (powerful drawing laptops and screens, animation programs, Digital 3D scanners and printers). Fee: $35

AP 2-D Design

(5 periods per week for 1 year - 1 Credit)

Design involves purposeful decision making about how to use the elements and principles of art in an innovative way. For this portfolio, students are asked to demonstrate mastery of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, drawing, painting and printmaking. At the completion of this course, 24 works of art will be submitted for Advanced Placement evaluation. This course can result in college placement credit for successful candidates. Fee: $32

BUSINESS & Technology

Courses

All courses are semester courses.

Accounting I
Accounting II
College Keyboarding
Entrepreneurship
Introduction to Business
Marketing
Business Economics *

* Indicates that it is a new course

Accounting I

(5 periods per week for 1 semester - 1/2 Credit)

Accounting I furthers student understanding of two specific business activities—accounting and finance—that were introduced in an earlier High School of Business™ course, Principles of Business. Through multiple projects, students make connections between accounting, with an emphasis on cash flow, and finance, with an emphasis on decision-making. Students acquire an understanding of financial statements, calculate financial ratios, and make business decisions based on their interpretation of those financial statements and ratios. In addition, students determine business-financing options, as well as develop an appreciation for types of financial service providers and financial markets. Decision matrices are employed to aid in financial planning. On the accounting side, it provides the basic principles of accounting, how to open a set of financial records, how to journalize, post, prepare financial statements and close records. This basic accounting cycle will be expanded on as the course progresses so that the student gains a general understanding of accounting principles. Workbook fee.

Accounting II

(5 periods per week for 1 semester - 1/2 Credit)

Students employ their decision matrices to finalize marketing, financial, and management plans developed previously, incorporating them into a business plan for a non-profit organization. The non-profit venture is actualized during the course, requiring students to engage in risk assessment, strategic planning, and performance assessment. This will complement the Solon Senior Project at the end of the school year. Workbook fee.

College Keyboarding

(5 periods per week for 1 semester - 1/2 Credit)

This course is offered to accommodate the special needs of students who wish to refresh or improve their keyboarding skills. It is offered at a pace that is challenging and dynamic. Students learn to create, format, edit, revise and print documents such as letters, memorandums, reports, outlines, tables and manuscripts. In addition, they will work with advanced text editing functions

Entrepreneurship

(5 periods per week for 1 semester - 1/2 Credit)
(Prerequisite: Introduction to Business)

Students will study and practice entrepreneurship in a course that will introduce them to the benefits and challenges of the entrepreneurial experience, in a program that will have students interact with entrepreneurs from the Solon and Cleveland communities. The class will use the project-based learning method to introduce students to core concepts of business planning including opportunity recognition, financial modeling, financing, accounting principles, and marketing while also exploring the importance of ethics in business. The class is also involved in the Veale Youth Entrepreneurship Forum that takes students beyond the classroom and into the real world of entrepreneurship. Through a collaborative network of educators, business leaders, and college-level resources, VYEF offers programs and experiences that allows students to think creatively and analytically, recognize business opportunities, take initiative, solve problems, persist through failure, communicate persuasively, develop and entrepreneurial mindset. 3 credits from University of Iowa are available upon successful completion of course and assessment for juniors and seniors for a cost.

Introduction to Business

(5 periods per week for 1 semester - 1/2 Credit)

Introduction to Business, a project-based business course, develops student understanding and skills in such areas as business law, economics, financial analysis, human resources management, information management, marketing, operations, and strategic management. Through the use of three projects, students acquire an understanding and appreciation of the business world. They develop a business analysis report, conduct an environmental scan of the local business community, and investigate business activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

Marketing

(5 periods per week for 1 semester - 1/2 Credit)

Marketing is a project-based business course that develops student understanding and skills in the functional areas of marketing: channel management, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students acquire an understanding and appreciation of each of the marketing functions and their ethical and legal issues. Decision matrices are employed to aid in market planning.

Business Economics *

(5 periods per week for 1 semester - 1/2 Credit)

This course has been developed to introduce students to micro- and macro-economic concepts whose understanding and application impact business operations. Using a project-based course of study, students will conduct primary and secondary research, work in teams, and apply current technology for project completion.

ENGLISH

Courses

All courses are year courses except Creative Writing, Film Studies, Public Speaking, and Debate.

English 9
English 9 Honors
English 10
English 10 Honors
English 11
English 11 Honors
English 12
AP English Language and Composition
AP English Literature and Composition
AP Seminar (can be substituted for the English 11 or English 12 requirement)
AP Seminar - The African Diaspora (can be substituted for the English 11 or English 12 requirement)
AP Research (can be substituted for the English 12 requirement)
Creative Writing
Debate
Film Studies
Media Communications
Multicultural Literature
Public Speaking

Students are required to purchase some or all of their supplemental reading materials based on course selection. Students may be required to purchase a digital vocabulary program and the Upfront Magazine.

Language Arts Program at Solon High School

To encourage all students to write effectively and frequently, the English Department is committed to teaching writing as a process of drafting and revising. Upon graduation, students can be assured they have received intensive instruction and practice to further their writing skills through a variety of written assignments.

To help students become critical thinkers, they are exposed to a variety of classics and modern literature. Students are taught how to interact with the text and how to discern inferential meanings in the various genre read.

Honors English

Honors English courses are intended to challenge and enrich academically talented, highly motivated students to fulfill their potential. Students aspiring to take Honors English courses should have high achievement test scores, exhibit excellent proficiencies in writing and reading skills and should have been enrolled previously in the Honors program. The aim of the Honors courses is to help students develop an in-depth understanding of the various forms of literature while strengthening their writing skills. The Honors English courses serve as the foundations for the AP Literature, Language, and Seminar courses.

English 9

(5 periods per week for l year - l Credit)

This one-year college preparatory course provides the student with intensive instruction and practice in the skill of written expression. Students are expected to demonstrate an ability to write in a clear, concise and persuasive manner. They are introduced to the study of selected novels, plays, short stories, poetry and nonfiction. Throughout the course vocabulary, word origins, syntax and grammar are stressed. Students are provided with ample opportunity for oral discussions. Digital vocabulary and grammar program and Upfront magazine fee.

English 9 Honors

(5 periods per week for l year - 1 Credit)

It is an expectation that students who enroll in English 9 Honors possess a solid command of grammar and sentence structure, as well as an elevated vocabulary. Students' previous work in English classes must illustrate a desire and aptitude in reading many genres, both for personal interest and for literary study. Therefore, they possess strong literal and inferential skills as well as the ability to convey their ideas in formal essays. While in English 9 Honors, students will complete assignments in which they exemplify comprehension and analysis of Greek literature, poetry, classic and modern novels, and various forms of nonfiction. In addition, the writing component of the class will present students with the challenge of responding to complex prompts which require that students demonstrate organization, complex sentence structure, the ability to integrate quotations, and the support of theses. Students are required to purchase various works of literature which will become a part of their personal library.
Digital vocabulary and grammar program fee.

English 10

(5 periods per week for l year - l Credit)

This course provides students with instruction and practice to help them improve their reading and writing skills and vocabulary. Instruction is focused on effective paragraph development and use of transitions and organizational techniques in developing essays. All students will be instructed in the art of public speaking, logical reasoning, and oral presentation techniques. Students will be exposed to literary selections from the various genres: novel, drama, short story, poetry, and nonfiction. These literary experiences will enrich students and give them a solid basis from which to discuss and write meaningful papers. Digital vocabulary and grammar program fee.

English 10 Honors

(5 periods per week for l year - l Credit)

Students who elect this course will prepare to meet the exacting standards of honors classes in drama, literature and writing. Students will write interpretative, analytical, and expository papers that demonstrate a mastery of correct, concise formal English prose. Analysis of literary and dramatic works as well as nonfiction will also be stressed, both in discussions and in writing. The course will require student purchases beyond the normal English 10 curriculum. Digital vocabulary and grammar program fee.

English 11

(5 periods per week for l year - l Credit)

This course includes the study of poetry, essay, fiction and nonfiction and is based on the writings of various American authors. Discussions of these works will stimulate students to evaluate the ideas expressed in the material read, to relate the universality of these ideas to their own world, and to evaluate and present material in a logical, organized manner both in written and oral forms. Students will take a research-based approach to these discussions and writings. Digital vocabulary and grammar program fee.

English 11 Honors

(5 periods per week for l year - 1 Credit)

The Honors English 11 course is an in-depth survey of literature through the Twenty-first Century with specific emphasis upon American authors. All genres are studied as in the college preparatory course. However, the selection of major works is more extensive in this course emphasizing discussions and analyses of literature as well as substantial expository and analytical writing. Students are taught procedures for scholarly research and are responsible for the completion of critical research papers. Students will share their research through oral and visual presentations. Students are required to purchase various paperback books throughout the year. Digital vocabulary and grammar program fee.

English 12

(5 periods per week for l year - l Credit)

The twelfth grade curriculum is designed as a bridge between high school and post-secondary opportunities. All course content is aligned with our philosophy that students need to be intelligent, productive members of society who can read, speak, and write articulately about modern issues and complex concepts. The students will practice a variety of deep, critical reading skills utilizing both fiction and nonfiction works. These skills will be utilized in a thorough research process that will culminate in a formal academic research paper. Digital vocabulary and grammar program and Upfront magazine fee.

AP English Language and Composition

(5 periods per week for 1 year - 1 Credit)

This course provides an opportunity for talented students to develop college-level reading and writing skills. Students will study nonfiction texts on a variety of themes (Justice, Education, Environment, etc.) and consider the effects of language choices on audience. Students will learn to recognize and apply rhetorical strategies in analytical, argumentative, and synthesis writings. Prospective students must have department approval and must have completed Honors English 9 and 10. This course can result in college placement credit for successful candidates. All students will participate in the Advanced Placement examination in May. Digital vocabulary and grammar program fee.

AP English Literature and Composition

(5 periods per week for l year - 1 Credit)

This course is designed for qualified and motivated students who wish to pursue college-level studies while still in secondary school. Utilizing college texts and materials, students will strive to write analytical essays with precision, depth, and creativity. Extensive and intensive readings in all genres will expose students to the best in literature. This course can result in college placement credit for successful candidates. Prospective students must have department approval and have completed Honors English 9 and 10. All will participate in the Advanced Placement examination in May. Workbook fee.

AP Seminar

(5 periods per week for 1 year - 1 Credit)
(Prerequisite includes above average achievement in either an Honors/AP English or Social Studies class.) (Can be substituted for the English 11 or English 12 requirement)

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

Students are required to take the AP exam in May. AP Seminar's exam costs more than other AP exams. Digital vocabulary program fee. (See page 14 for information on the AP Capstone Diploma).

AP Seminar – The African Diaspora

(5 periods per week for 1 year - 1 Credit) (Prerequisite includes above average achievement in other English or Social Studies courses.) (Can be substituted for English 11 or English 12 requirement)

This is a foundational course that engages students in the deep-rooted issues of the country, culture, and peoples of Africa and how these issues have had far-reaching impacts. This AP Capstone Seminar class is intended to develop the student's ability to maturely consider multiple perspectives in order to develop their own point-of-view on complex issues and topics through investigation and inquiry. The program provides students with a skill-set that should allow them to strengthen their critical and creative thinking skills as they make connections between the classroom and the real world through investigation and inquiry. The research process will expose students to a wide variety of primary and secondary sources, both print and non-print, including articles, research studies, historical, literary and philosophical texts, speeches, broadcasts, artistic works, theatric and dramatic performances, as well as relevant inputs from popular culture. The wide variety of academic sources provide the opportunity for students to gain appreciation and understanding of issues as they collaboratively and independently analyze and evaluate evidence from their research to consider options, alternatives, solutions and resolution of real-world or academic problems and issues. Students are required to take the AP exam in May. AP Seminar's exam costs more than other AP exams. (See page 14 for information on the AP Capstone Diploma).

AP Research

(5 periods per week for 1 year - 1 Credit)
(Prerequisite: AP Seminar) (Can be substituted for the English 12 requirement)

In AP Research, students cultivate the skills and discipline necessary to conduct independent research in order to produce and defend a scholarly academic paper. Although the topic of each research study will vary, the course requires students to plan and conduct a study or investigation.

The course provides opportunities (activities/assignments) for students to:

- Understand principles of discipline-specific research methods (e.g., qualitative, quantitative, mixed).
- Employ appropriate disciplinary research methods to develop, manage, and conduct an in-depth study or investigation in an area of student's own interest, culminating in a 4000-5000 word paper (accompanied by an additional piece of scholarly work – where applicable – to be performed or exhibited).
- Present (using appropriate media) and defend the research design, approach, and findings to a panel.
- Document their processes and curate the artifacts of the development of their scholarly work in a portfolio.

Students are assessed on the academic paper and presentation and oral defense of research. The academic paper is approximately 4,000-5,000 words, and the presentation and defense take approximately 15-20 minutes. The Academic Paper is 75% of the score and the Presentation and Oral Defense is the remaining 25%. This constitutes as the AP Exam grade. The AP Research Exam costs more than other AP exams. (See page 14 for information on the AP Capstone Diploma).

Creative Writing

(5 periods per week for 1 semester – 1/2 Credit)

Students will be writing every day in a variety of genres. They will explore different writing styles. Their writing skills will be developed through pre-writing, writing, editing, revising and critiquing. Students will also be examining various genres by reading various poetry, songs, columns, short stories, plays, monologues, speeches, etc. Additionally, students must be willing to share their work. Students will be asked to give constructive feedback to other students in the class. Goals will be met through various reading, writing, and speaking opportunities.

Debate

(5 periods per week for l semester - 1/2 Credit)

Debate is for students who have already taken the public speaking course. It provides more extensive training and experience in various debate formats. The in-class debates involve topics chosen and researched by the students.

Film Studies

(5 periods per week for 1 semester - 1/2 Credit)
(Prerequisite: English 9 [and English 10 preferred])

Film studies is a survey of film history and directorial choices that influence how a story is told. We will view historical films and films from around the world that highlight cultural differences and social issues. We will read and write about film reviews to understand how to evaluate a director's choices and a writer's choices. This course will focus on film analysis through verbal discussions, written analysis, and seminar conversations. Students will also create several mini films and one final film as a culminating project.

Media Communication

(5 periods per week for 1 semester - 1/2 Credit)

In this semester long journalism course, **you will write for the school newspaper, *The Courier*.** You will learn how to write both journalism articles and broadcast videos. Lessons in this course will provide you with hands-on experience to enable you to compete for leadership roles in your future career. Media Communications is a course that will:

- Teach you skills needed to **write journalism articles**, interview and communicate with people in your community, **and research and voice your ideas**.
- Allow you to become a **published author** and take on **leadership roles** (editor, manager, director, etc).
- Offer you the opportunity to be creative and to collaborate with peers in **project-based assignments**.
- All terrific for college applications.

Students can register for this course for two semesters if they are interested in taking it for the full year.

Multicultural Literature

(5 periods per week for 1 semester - 1/2 Credit)

This course will focus on exposing students to American literature created by authors from a variety of backgrounds including African American, Asian, Latinx, and Native American. Students will explore how someone's culture impacts both their personal perspective and worldview, how people develop their identity, how oppression and discrimination impact people and how people fight for equality and access to the American Dream. Students will read a variety of texts, including students' choice of modern novels, poetry, and film and use those texts to have conversations on civic issues and racial justice. This course is dedicated to celebrating diversity and recognizing the many ways in which we can strive as a community to fight for both equality and equity.

Public Speaking

(5 periods per week for l semester - 1/2 Credit)

Public speaking is designed to provide instruction and practice in various speaking situations. Students will learn the principles of communication in order to present themselves more effectively. Strategies and formats for giving informative, persuasive, and group presentations will be covered.

FAMILY & CONSUMER SCIENCES

Courses

All are semester courses.

Children's World
Creative Cuisine I
Creative Cuisine II
Foods for Fitness
Fashion Marketing and Design
Advanced Fashion
Single Survival
Teen Topics

Teen Topics
(5 periods per week for 1 semester - 1/2 Credit)

This course is designed for the student who wants to take an action-oriented approach to analyzing challenges faced by adolescents. Students will evaluate current topics from the perspective of the individual, the family, and society. Students will gain practice preparing nutritious meals as well as use the foods lab and sewing lab to take part in **community service projects**. Fee: $17

Foods for Fitness
(5 periods per week for 1 semester - 1/2 Credit)

Nutrition plays a critical role in overall fitness. Following a balanced diet can help individuals feel better and live a more active lifestyle. The emphasis in this class is placed on personal diet, athletes' nutritional needs, losing and gaining weight safely, and diets for special health concerns. Students will learn to prepare nutritious snacks and meals in the foods lab. Fee: $26

Children's World
(5 periods per week for 1 semester - 1/2 Credit)

This hands-on class provides students opportunities to learn skills that could be useful in a career working with children. Content includes child development from conception through the teen years, with an emphasis on the needs of children at each stage of life. Students will have the opportunity to create learning games and activities for children and to prepare nutritious and fun meals and snacks for them. Fee: $17

Creative Cuisine I
(5 periods per week for 1 semester - 1/2 Credit)

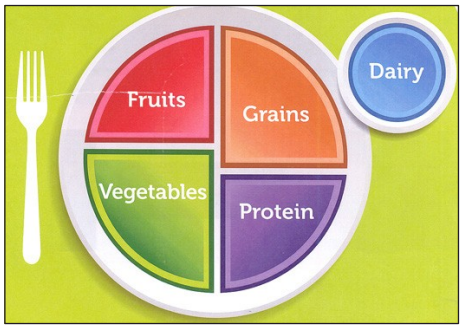
Tired of eating fast-food or the same old meals? This course is for students who want to learn basic cooking techniques and put a creative flair to their efforts. Tastefully balanced, aesthetically pleasing recipes are demonstrated in our foods labs. The principles learned will broaden students' abilities to confidently make recipes from scratch into appealing meals and desserts. Fee: $27

Creative Cuisine II
(5 periods per week for 1 semester - 1/2 Credit)
(Prerequisite: Creative Cuisine I)

Advanced cooking skills are explored in this hands-on lab-based class. Students broaden their experience preparing foods used in family and commercial meals, as well as foods for entertaining. Food preparation techniques as well as nutrition, aesthetics, and cost in meal planning are emphasized. Fee: $27

Single Survival
(5 periods per week for 1 semester - 1/2 Credit)

Want to live on your own soon? Taught as a simulation of living life in the "real world," students in this class will select housing and transportation, find a job, open a bank account, pay bills, and deal with crisis situations and many other real life experiences. Cooking labs include planning and preparing snacks, nutritionally sound meals, and entertaining with foods. Fee: $22



Fashion Marketing and Design

(5 periods per week for 1 semester - 1/2 Credit)

This course is for the student interested in fashion design or marketing. Content includes the study of the fashion industry, fashion trends, and creative marketing techniques. Students will also be introduced to a variety of textiles and fibers for product analysis. Clothing projects will be individualized to meet the needs of the beginning or advanced sewer. Fee: $11

Advanced Fashion

(5 periods per week for 1 semester - 1 Credit)

Students will further their knowledge of fashion design or merchandising by designing an individual garment, crafting the pattern, and sewing the garment. Students will continue learning about the fashion merchandising business by selecting a fashion store to research and follow through a fashion season. Additionally, students will increase their competency in one skill learned in the introductory class by completing a project of their choice. Fee: $16

HEALTH & Phys. Ed.

Courses

All are semester courses.

Basketball
Competitive Sports
Personal Fitness
SAQ (Strength, Speed, Agility and Quickness Training)
SAQ 2.0
Sports and Activities
Yoga
Zero Period SAQ (Strength, Speed, Agility and Quickness Training)
Zero Period Sports and Activities
Zero Period Yoga
Zero Period Health
Health
Yoga 2.0 *

*Indicates that it is a new course

Students must take two of any non-health courses to complete the physical education credit requirement.

Students can take the following courses multiple times: Basketball, Competitive Sports, Personal Fitness, SAQ, Sports and Activities, Yoga, and Yoga 2.0.

Basketball

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester - 1/4 Credit per semester)

Students in Basketball will get an enriched experience in a semester of basketball which includes fundamental and strategical drills, tactical elements, projects, conditioning, strength training, officiating, coaching, research, and game play. Reversible Jersey Fee: $16

Competitive Sports

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester - 1/4 Credit)

This class requires an intermediate to advanced skill level as the atmosphere will be competitive. Students will enjoy competing in badminton, racquetball, ultimate games, pickleball, basketball, volleyball, soccer, speedball, lacrosse, floor hockey, softball, recreation games and more. There will be a variety of activities offered each semester.

Personal Fitness

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester - 1/4 Credit)

This class is for students seeking a basic introduction and experience to personal fitness. This is a beginner level fitness course. Students will be exposed to a variety of workouts that may include cardio activities, kickboxing, circuit training, interval training, weight room workouts, pilates, bosu balls, power walking, yoga and more. Discussions about nutrition, basic techniques, fitness principles and more are covered. Students experience a class that is geared toward their individual progress and goals.

SAQ (Strength, Speed, Agility and Quickness Training)

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester - 1/4 Credit)

SAQ is an advanced weight training course designed to improve a student's overall strength, balance, stability, coordination, quickness and speed. SAQ training is a series of drills and exercises in the weight room that will teach students the proper techniques of a variety of lifting exercises that will include fundamentals of sport nutrition and strength/conditioning terminology. In the weight room students will get an enrichment of exercises that include Body Weight Training, Circuit Training, Yoga, Distance Running, Sprints, Stretch Bands, Plyometrics, Dumbbells, Squat Racks, Kettle Bells, TRX Bands, Foam Rollers, and more. Benefits of taking this class include improvement of overall strength, decrease risk of injury, greater flexibility, self-esteem and confidence.

SAQ 2.0 (Strength, Speed, Agility and Quickness 2.0)

This course does not count towards athletic eligibility.
(5 periods per week for 1 year - 1/4 Credit) (Prerequisite: 2 semesters of P.E. completed.)

Advanced weight training course designed for students that have already completed their physical education requirements. Previous experience in the weight room and training strategies is highly recommended. The overall goal for students is to improve their overall strength, balance, stability, coordination, quickness and speed through a variety of training techniques.

Sports and Activities

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester - 1/4 Credit)

This is a course for students to participate in a variety of individual/team sports and activities. Basic to intermediate skills will be applied while learning the strategy of each activity. Activities may include badminton, racquetball, ultimate games, pickleball, basketball, volleyball, soccer, speedball, lacrosse, floor hockey, softball, recreation games and more. There will be a variety of activities offered each semester.

Yoga 1.0

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester – 1/4 Credit)

Looking to relieve stress and anxiety? Want to improve fitness levels such as muscular strength and endurance, flexibility, cardiovascular endurance, and balance? Then this yoga class is for you! This class counts as either a Physical Education or elective credit and you can take it more than once. This course will teach students the basics of yoga and mindfulness. Students will participate daily in different types of yoga: power yoga, slow flow yoga and relaxation yoga. Students will keep a journal and learn stress management strategies. Mindfulness will be a part of daily practice.

Zero Period Sports and Activities

This course does not count towards athletic eligibility.
(5 classes per week for 1 semester - 1/4 Credit)

This is a course for students to participate in a variety of individual/team sports and activities. Basic to intermediate skills will be applied while learning the strategy of each activity. Activities may include badminton, racquetball, ultimate games, pickleball, basketball, volleyball, soccer, speedball, lacrosse, floor hockey, softball, recreation games and more. There will be a variety of activities offered each semester.

Zero Period SAQ (Strength, Speed, Agility and Quickness Training)

This course does not count towards athletic eligibility.
(5 classes per week for 1 semester - 1/4 Credit)

SAQ is an advanced weight training course designed to improve a student's overall strength, balance, stability, coordination, quickness and speed. SAQ training is a series of drills and exercises in the weight room that will teach students the proper techniques of a variety of lifting exercises that will include fundamentals of sport nutrition and strength/conditioning terminology. In the weight room students will get an enrichment of exercises that include Body Weight Training, Circuit Training, Yoga, Distance Running, Sprints, Stretch Bands, Plyometrics, Dumbbells, Squat Racks, Kettle Bells, TRX Bands, Foam Rollers, and more. Benefits of taking this class include improvement of overall strength, decrease risk of injury, greater flexibility, self-esteem and confidence.

Zero Period Yoga

This course does not count towards athletic eligibility.
(5 periods per week for 1 semester – 1/4 Credit)

Looking to relieve stress and anxiety? Want to improve fitness levels such as muscular strength and endurance, flexibility, cardiovascular endurance, and balance? Then this yoga class is for you! This class counts as either a Physical Education or elective credit and you can take it more than once. This course will teach students the basics of yoga and mindfulness. Students will participate daily in different types of yoga: power yoga, slow flow yoga and relaxation yoga. Students will keep a journal and learn stress management strategies. Mindfulness will be a part of daily practice. Book or workbook fee.

Zero Period Health

(5 periods per week for 1 semester - 1/2 Credit)

Students will be provided with current information to develop healthful attitudes and behaviors. This course will encourage students to examine their lives and apply their values, insights, and skills to everyday situations. After a brief introduction to the subject area, the following topics will be discussed: Mental Health, Nutrition, Communication, Relationships, Substance Abuse, Human Sexuality, STDs and HIV.

Health

(5 periods per week for l semester - 1/2 Credit)

Students will be provided with current information to develop healthful attitudes and behaviors. This course will encourage students to examine their lives and apply their values, insights and skills to everyday situations. After a brief introduction to the subject area, the following topics will be discussed: Mental Health, Nutrition, Communication, Relationships, Substance Abuse, Human Sexuality, STDs and HIV.

Yoga 2.0 *

This course does not count towards athletic eligibility.

(5 classes per week for 1 semester - 1/4 Credit)

(Prerequisite: Yoga 1.0 or teacher recommendation.)

Students will receive more advanced yoga curriculum designed specifically for individuals motivated to learn the principles of yoga and mindfulness.

Zero Period Classes

Students will be able to fulfill their PE or Health requirement during the zero-period before the school day begins. This will allow students the flexibility they need to take other courses during the regular school day. This class will run from 6:45a.m.-7:35a.m. at Solon High School. Students in PE will be given enough time to shower and get ready for school in the varsity locker rooms.

MATHEMATICS

Courses

All are year courses except for the semester course of Introduction to Computer Programming.

Pre-Algebra/Algebra I
Algebra I
Algebra II
Honors Algebra II
Geometry
Honors Geometry
Integrated Math III
Pre-Calculus
Honors Pre-Calculus
Calculus
AP Calculus AB
AP Calculus BC
Calculus III: A Study in Multivariable Calculus/Differentiated Equations
AP Statistics
Introduction to Computer Programming
AP Computer Science A
AP Computer Science Principles
APP Development
C++
Mathematics Modeling & Reasoning *

*Indicates that it is a new course

Pre-Algebra/ Algebra I

(10 periods per week for 1 year [2 periods per day] - 2 Credits [one for Pre-Algebra and one for Algebra I]) (Teacher recommendation only)

This course is a combination of Pre-Algebra and Algebra I. The student who successfully completes this course will be eligible to take geometry. Only students recommended by teachers will be assigned this class.

In general, the course is designed with structured investigations and a series of guided problems to support team learning and mathematical discourse. Numerous lessons revisit "mathematical background" of selected topics. Each problem is designed to stimulate team discussion of the mathematical concepts. Homework assignments are designed to practice previous ideas as well as content from the current lesson. Included in homework are problems directed at various levels of difficulty – both to challenge and complete understanding.

Topics addressed in the Pre-Algebra portion of the class include working with integer operations, simplifying variable expressions and solving equations and linear relations.

Moreover, the student will earn the second credit for completing the Algebra I portion. In this portion, the course provides algebraic content using a problem-based approach in a study team environment. Emphasis is placed on multiple representations of linear, quadratic and exponential functions (analytic, numerical, graphical, and contextual) and the meaning of a solution. A major focus of the course is the development of multiple strategies to solve problems and understand concepts. Students will symbolically manipulate expressions and solve single equations and inequalities as well as systems of linear and non-linear equations and inequalities. Students will be introduced to absolute value and square root functions. The students will be analyzing, graphing and interpreting data. In addition to algebraic concepts, the course includes the study of the correlation two-variable statistical data.

Algebra I

(5 periods per week for l year - l Credit)

Algebra I is the first course in a sequence of college preparatory mathematics courses designed to prepare students for college and/or career. The student who successfully completes Algebra I will be eligible to take geometry. The *TI-84 Plus* calculator is required daily for student success.

The course is structured around problems and investigations that build conceptual understanding of algebra topics.

This course provides algebraic content using a problem-based approach in a study team environment. Students will be introduced to the meaning of function and its relationship in context. In development of families of functions, students will describe arithmetic and geometric sequences. Emphasis is placed on multiple representations of linear, quadratic and exponential functions (analytic, numerical, graphical, and contextual) and the meaning of a solution. A major focus of the course is the development of multiple strategies to solve problems and understand concepts. Students will symbolically manipulate expressions and solve single equations and inequalities as well as systems of linear and non-linear equations and inequalities. Students will be introduced to absolute value and square root functions. In addition to algebraic concepts, the course includes the study of the correlation two-variable statistical data.

This course is structured around problems and investigations that build the conceptual understanding of these algebraic topics and an awareness of connections between the different topics. Students are encouraged to investigate, communicate their thinking, and generalize their results. During class time, the students will work on challenging problems that introduce new concepts. Then, homework for each lesson will reinforce previously learned skills and concepts while preparing and connecting these to upcoming lessons. In addition, homework problems allow students to apply previously learned concepts and skills in new contexts and deepen their understanding by solving the same type of problem in multiple ways.

Geometry

(5 periods per week for l year - l Credit)
(Prerequisite: Algebra I)

Geometry is the second course in a sequence of college preparatory mathematics courses designed to prepare students for college and/or career. The student who successfully completes Geometry will be eligible to take Algebra II. The *TI-84 Plus* calculator is required daily for student success.

Geometry is structured around problems and investigations that build spatial visualization skills, conceptual understanding of geometry topics, and an awareness of connections between different ideas. The concepts of Pattern and Reasoning are developed through a three-step procedure of investigating, conjecturing then proving. Proof is developed by increasing the logical rigor of the mathematics by using flowcharts. The course includes the study of shapes and their connections to the world. Key concepts addressed are transformations and symmetry, similarity and congruence, properties and measurements of plane figures, three-dimensional shapes, investigation and proof, geometric construction, and algebra and calculating probability and conditional probability. Lessons are structured for students to collaborate actively by working in study teams where they will develop multiple strategies to solve problems and make connections between concepts.

Honors Geometry

(5 periods per week for l year - l Credit)
(Prerequisite: Algebra I and teacher recommendation)

Honors Geometry is an accelerated course designed to challenge and prepare the mathematically talented student for college and/or career readiness in STEM (Science, Technology, Engineering, Mathematics) related fields. The course is one in a sequence of courses designed to prepare students to earn advanced placement credit in mathematics (AP Calculus). The *TI-84 Plus* calculator is recommended daily for student success.

Honors Geometry is structured around problems and investigations that build spatial visualization skills, conceptual understanding of geometry topics, and an awareness of connections between different ideas. The concepts of Pattern and Reasoning are developed through a three-step procedure of investigating, conjecturing then proving. Proof is developed by increasing the logical rigor of the mathematics by using flowcharts and two-column proof. The course includes the study of shapes and their connections to the world. Key concepts addressed are transformations and symmetry, similarity and congruence, properties and measurements of plane figures, three-dimensional shapes, investigation and proof, geometric construction, and algebra and calculating probability and conditional probability. Lessons are structured for students to collaborate actively by working in study teams where they will develop multiple strategies to solve problems and make connections between concepts.

Integrated Math III

(5 periods per week for 1 year – 1 Credit)
(Prerequisite: Algebra I and Geometry, Teacher Recommendation and approval of the Math Department)

Integrated Math III is the third course in a sequence of college preparatory mathematics courses designed to prepare students for college and/or career. The student who successfully completes Algebra I and Geometry will be eligible to take Integrated Math III.

The course is structured around problems and investigations that build conceptual understanding of algebra topics.

This course is designed to deepen and develop further the fluency with solving linear equations, inequalities, and systems. Then extend solving strategies to exponential, quadratic and rational equations. It applies and extends what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeroes of polynomials and connecting them to graphs and equations of polynomials. Students will also use the language of set theory to compute and interpret probabilities for compound events, use regression techniques to analyze the fit of models to distributions of data while describing associations (not causations) by form, direction, strength, and outliers. In addition, describe a univariate set of data by correctly reporting the center, shape, spread and outliers as comparing it to another, and understanding the role of randomness and the normal distribution in making statistical conclusions.

This course provides algebraic content using a problem-based approach in a study team environment. Emphasis is placed on multiple representations of linear, quadratic, exponential and rational functions (analytic, numerical, graphical, and contextual) and the meaning of a solution.

This course is structured around problems and investigations that build the conceptual understanding of these algebraic topics and an awareness of connections between the different topics. Students are encouraged to investigate, communicate their thinking, and generalize their results. During class time, the students will work on challenging problems that introduce new concepts. Then, homework for each lesson will reinforce previously learned skills and concepts while preparing and connecting these to upcoming lessons. In addition, homework problems allow students to apply previously learned concepts and skills in new contexts and deepen their understanding by solving the same type of problem in multiple ways.

Algebra II

(5 periods per week for l year - l Credit)
(Prerequisite: Algebra 1 and Geometry and/or teacher recommendation)

Algebra II is the third course in a sequence of college preparatory mathematics courses designed to prepare students for college and/or career. Algebra II is extension of concepts and skills acquired in Algebra I. The student who successfully completes Algebra II will be eligible to take Pre-Calculus and/or Advanced Placement Statistics (AP Stats). The *TI-84 Plus* calculator is required daily for student success.

The course includes a study of multiple representations of functions, their transformations, and their inverses (linear, quadratic, polynomial, exponential, logarithmic, absolute value, simple rational, square root). Furthermore, the course includes a study of generalizing relationships, solving linear or quadratic equations in one variable, some mixed systems in two variables, and systems of linear equations in three variables. It includes a study of order and equivalence properties of algebra to rewrite algebraic expressions and equations, computation of real and complex numbers, compare compound interest situations. The course applies the use of multiple algebraic representations to solve problems presented as real-world situations or simulations that require polynomial, exponential, or logarithmic relationships.

This course is structured around problems and investigations that build conceptual understanding of algebraic topics, comfort with using general equations to represent functions and relations as well as with interpreting general equations to describe a situation, and an awareness of connections between different ideas. Students are encouraged to investigate, conjecture, and then justify to develop their reasoning skills. The course also uses a multiple-representations approach to investigating new topics. By using multiple-representations, students develop experience with multiple entry points into a problem and have the chance to apply their knowledge of one representation to build understanding of others. Students focus on identifying the connections and interrelationships among these representations to find new ways of looking at problems.

During class time, the students will work on challenging problems that introduce new concepts. Then, homework for each lesson will reinforce previously learned skills and concepts while preparing and connecting these to upcoming lessons. In addition, homework problems allow students to apply previously learned concepts and skills in new contexts and deepen their understanding by solving the same type of problem in multiple ways.

Honors Algebra II

(5 periods per week for 1 year - 1 Credit)
(Prerequisite: Algebra I, Honors Geometry and teacher recommendation)

Honors Algebra II is an accelerated course designed to challenge and prepare the mathematically talented student for college and/or career readiness in STEM (Science, Technology, Engineering, Mathematics) related fields. The course is one in a sequence of courses designed to prepare students to earn advanced placement credit in mathematics (AP Calculus). Algebra I concepts are expected to be mastered and will be extended in depth. The *TI-84 Plus* calculator is required daily for student success.

Honors Algebra II provides algebraic content using a problem-based approach in a study team environment. The course includes a study of multiple representations of functions, their transformations, and their

inverses (linear, quadratic, polynomial, exponential, logarithmic, absolute value, sine, cosine, tangent, simple rational, square root). Furthermore, the course includes a study of generalizing relationships, solving linear or quadratic equations in one variable, some mixed systems in two variables, and systems of linear equations in three variables, including 3-D graphing. It includes a study of order and equivalence properties of algebra to rewrite algebraic expressions and equations, computation of real and complex numbers, compare compound interest situations. The course applies the use of multiple algebraic representations to solve problems presented as real-world situations or simulations that require polynomial, exponential, logarithmic or trigonometric relationships. The course also connects right triangle definitions of sine, cosine, and tangent to definitions of the trigonometric functions and use the Laws of Sines and Cosines in new contexts. Lastly, the course covers randomization of samples and normal distribution to solve problems.

This course is structured around problems and investigations that build conceptual understanding of algebraic topics, comfort with using general equations to represent functions and relations as well as with interpreting general equations to describe a situation, and an awareness of connections between different ideas. Students are encouraged to investigate, conjecture, and then justify to develop their reasoning skills. The course also uses a multiple-representations approach to investigating new topics. By using multiple-representations, students develop experience with multiple entry points into a problem and have the chance to apply their knowledge of one representation to build understanding of others. Students focus on identifying the connections and interrelationships among these representations to find new ways of looking at problems.

Pre-Calculus

(5 periods per week for l year - l Credit)
(Prerequisites: Algebra II)

Pre-Calculus is a course primarily designed for high school upperclassmen continuing their preparation for college and/or career. The course builds on concepts introduced and mastered in Algebra II and is the next course in sequence for mathematics for high school students. The course is not designed for students seeking to earn advanced placement credit in mathematics (AP Calculus). Calculator use is emphasized. Graphing calculator (*TI-84 Plus or equivalent*) is required.

Pre-Calculus is structured around investigations and problem solving. Students will explore concepts and develop mathematical relationships through observation, application, and both formal and informal proof. The course encourages students to pose conjectures, justify solutions, and defend their thinking.

Key concepts addressed are transformations of functions, periodic functions and their graphs, area under a curve as a foundation for integration, inverses, exponentials, and logarithmic equations and applications. In addition, the course addresses limits, properties of functions, including continuity, increasing and decreasing and concavity, and rates of change. Other concepts include improving algebraic fluency and simplification techniques, and modeling with functions.

Honors Pre-Calculus

(5 periods per week for 1 year - 1 Credit)
(Prerequisite: Honors Geometry and Honors Algebra II and/or teacher recommendation)

Honors Pre-Calculus is a course designed for the mathematically talented student intending to take Advanced Placement Calculus AB or BC who has demonstrated success in both Honors Algebra II and Honors Geometry by maintaining an A or B average.

The course is well balanced among procedural fluency (algorithms and basic skills), deep conceptual understanding, problem-solving and application and extension. Students work collaboratively with others as they use problem-solving strategies, complete investigations, gather evidence, critically analyze results, and communicate clear and effective arguments while justifying their thinking. In addition to transformations of functions, periodic functions and their graphs, inverses, exponentials and logarithms, polar equations, trigonometric functions, matrices, and modeling; an introduction of calculus with functions, graphs, limits, area under a curve, and rates of change is emphasized.

A graphing calculator is required daily.

Calculus

(5 periods per week for l year - l Credit)
(Prerequisite: Pre-Calculus)

Differential calculus is completed with the transcendental functions. Integral calculus is introduced with areas under the curve, volumes generated by rotating functions, surface area, length of plane curve segments. Algebraic and transcendental functions are graphically depicted and applied. There will be an emphasis on problem solving from a numerical, graphical and algebraic perspective. A graphing calculator (*TI-84 Plus*) is required.

AP Calculus AB

(5 periods per week for l year - l Credit)
(Prerequisites: Pre-Calculus and teacher recommendation only)

AP Calculus AB covers one semester of college calculus in a year of high school. The three main topics: functions, derivatives, and integrals, are all addressed contextually, graphically, numerically, and analytically. Analysis of functions includes limits and continuity. Differential calculus includes techniques of differentiation, numerical approximation, and applications of the derivative. Integral calculus includes numerical approximations, the fundamental theorem of calculus, and applications of integration. Preparation for the Advanced Placement Calculus AB exam is emphasized. Graphing calculator (*TI-84 Plus*) is required. Students are required to take the AP exam in May.

AP Calculus BC

(5 periods per week for 1 year - 1 Credit)
(Prerequisites: Honors Pre-Calculus and teacher recommendation only)

Differential Calculus is completed including applications. Integral Calculus is introduced with applications. Other topics include differential equations, convergence of sequence and series, power series approximations, parametric equations, polar graphs, and vectors. Preparation for the Advanced Placement Calculus BC exam is emphasized. Enrollment to this course is by teacher recommendation only and exceptional success in Honors Pre-Calculus is required. Graphing calculator (*TI-84 Plus*) is required. Students are required to take the AP exam in May.

AP Statistics

(5 periods per week for l year - 1 Credit)
(Prerequisites: Algebra II and teacher recommendation only)

Advanced Placement Statistics will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to the following four conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. Students who successfully complete the course and the Advance Placement examination may receive credit and/or advanced placement for a one-semester introductory college statistics course. Graphing calculator (*TI-84 Plus*) is required. Students are required to take the AP exam in May.

Calculus III: Multivariable Calculus and Differential Equations

(5 periods per week for 1 year - 2 AP weighted high school math credits. Students earn 7 college credits through Cleveland State University – Math 281 and Math 286)
(Prerequiste: AP Calculus BC - earning a 4 or better on the AP exam.)

Students will take one semester of Multivariable Calculus, including Vector Valued Functions, Volume and Surface Area in 3-D, Line Integrals and Vector Fields. In the second semester, students learn techniques for solving Differential Equations and some linear algebra topics. The curriculum will help the students transition into math intensive majors in college.

This course is a dual enrollment course through Cleveland State University. To take part in the course, students must meet the above pre-requisite AND be admitted as a College Credit Plus student at Cleveland State University. Students must adhere to all College Credit Plus admission procedures through Cleveland State University and the guidelines set forth by the State of Ohio Department of Education in accordance with College Credit Plus admission policies. Students must meet grade requirements, ACT/SAT requirements if applicable, application deadlines, State of Ohio Residency requirements, and mandatory orientation advising on campus. Students must also sign a Mature Content Permission Slip form to take part in this course. Students who are NOT admitted as a Cleveland State University College Credit Plus student cannot take the course. Grades will not be shown in PowerSchool, but will be posted at the end of the semester.

Introduction to Computer Programming

(5 periods per week for l semester - 1/2 Credit)
(Prerequisite: B or higher in Algebra I or teacher recommendation)

Do you enjoy logic puzzles like Sudoku? Do you wonder how those little applications on your calculator work? Introduction to Computer Programming has no homework and uses fun metaphors to learn introductory programming concepts and data structures (like variables, conditions, loops, and methods) in a relaxed environment using the object-oriented language Java. Students will use these tools to develop their logical-thinking skills while designing small-scale computer programs. Fee: $11

AP Computer Science A

(5 periods per week for 1 year – 1 Credit) (Prerequisite: There are three possible paths: 1. Successful completion of Introduction to Computer Programming.
2. Independent Summer Study with passage of the entrance exam. See the Skipping Intro link on Mr. McKeen's school web page for details.
3. Successful completion of AP Computer Science Principles)

This course picks up where Introduction to Computer Programming left off – it is still fun, but is faster, more challenging, and has weekly homework. It covers the material that a student would encounter in a first-year college computer science course. The major emphasis is on writing sophisticated algorithms using advanced concepts and data structures (such as arrays, stacks, queues, recursion, searching, and sorting) in the object-oriented Java language. Students will develop logic skills that they can apply in many areas of life. Preparation for the Advanced Placement Computer Science A exam is emphasized. Students are required to take the AP exam in May and are encouraged to take the subsequent C++ and App Development courses. Fee: $11

AP Computer Science Principles

(5 periods per week for 1 year – 1 Credit) (Prerequisite: B or higher in Algebra I or teacher recommendation)

Do you have a strong interest in using technology in creative and innovative ways in any field? AP Computer Science Principles introduces you to the breadth of the field of computer science beyond programming. Whether it's 3-D animation, engineering, music, app development, medicine, visu- al design, robotics, or political analysis, learning computer science can lead to many majors and career paths. If you are interested in exploring how the Internet works, cybersecurity, data science, and the global impact of technology, take this class! Programming experience is not necessary. AP Computer Science Principles complements AP Computer Science A, and the two courses can be taken in any order or concurrently.

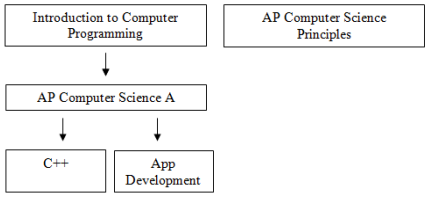
AP Computer Science Principles offers a multidisciplinary approach to learning the underlying principles of computation. This course introduces students to abstractions, algorithms, digital information, the Internet, the creative aspects of programming, cybersecurity concerns, and computing impacts on society and culture. The course is organized around these seven big ideas. Students will be expected to be able to write technical responses to prompts, produce quality digital artifacts, collaborate with others, and participate in class daily.

Students are required to complete both thru-course AP Performance Tasks as well as take the multiple-choice AP exam in May. Sophomores, juniors, and seniors who meet the prerequisites may enroll in this class with teacher recommendation. Students are required to purchase a workbook. Fee: $11

App Development

(5 periods per week for 1 semester – 1/2 Credit) (Prerequisite: Successful completion of AP Computer Science A)

Mobile devices like phones and tablets are everywhere and app usage has become a daily part of most people's lives. This course will teach students how to create apps for Android devices. Upon successful completion, students will have the base knowledge to create applications that they can load on their phones and portable devices.



C++

(5 periods per week for 1 semester – ½ credit) (Prerequisite: Successful completion of AP Computer Science A)

This course will teach the fundamentals of the C++ programming language, focusing primarily on pointers and memory management, overloaded operators, and complex algorithms. Engineering and high-powered programming make significant use of C++ because of its power.

Mathematics Modeling & Reasoning *

(5 periods per week for 1 year – 1 Credit) (Prerequisite: Algebra 2 or Algebra 2 equivalent)

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.
It is a year-long course taught using student-centered pedagogy. This is a fourth-year math credit.

MUSIC

Courses

All are year-long courses.

Music Theory
AP Music Theory
Band
Orchestra
A cappella Choir
Concert Choir
Music In Motion

Music Theory

(5 periods per week for l year - 1 Credit)

The course objective is to help each student attain college entry level skills in the areas of general theory, sight-reading, sight-singing, ear training, composition and arranging. Activities include sight reading melodies in major and minor keys using solfege syllables, and multiple ear-training exercises. For the ear training portion, students will train in the recognition of intervals, scales, triads, and seventh chords. Students will be able to use and develop their new skills in their own area of interest, whether it be in original composition, arranging music for vocal or instrumental groups, improving performance abilities, or merely supplying a harmonic background while at the piano or guitar. Workbook fee.

AP Music Theory

(5 periods per week for 1 year - 1 Credit)
(Prerequisite: Placement test and teacher recommendation only)

The ultimate goal of AP Music Theory is an integrated approach to aural, sight-singing, written, compositional and analytical skills. To this end, daily exercises will focus on listening, performing, writing, composing and analyzing music.

Speed and fluency with the rudiments and terminology of music is an initial concern. Continuing work on common practice techniques such as part-writing, tonality and harmony, modulation, phrase structure and formal analysis will constitute the balance of the course. Students are required to take the AP exam in May. Workbook fee.

INSTRUMENTAL MUSIC

Band (Marching and Concert)

(5 periods per week for l year - 1 Credit)

The band is open to all students who play an appropriate instrument. The band performs at all football games, home and away, band festivals and parades. Band practice begins in late July. Attendance is required. When school begins, the band meets one period each day and Wednesday evenings from 6:30 until 8:30 p.m. At the conclusion of football season, the band rehearses one period each day. Performances include concerts and contests. Members of the band must play in both marching band and concert band. Fee: $29

Concert Orchestra

(5 periods per week for l year - 1 Credit)

The orchestra is open to students who play appropriate instruments. The group meets one period each day throughout the year and performs at concerts, contests, and selected functions.
Fee: $20

Sinfonia Orchestra
(5 periods per week for l year - 1 Credit)
(Open by audition only)

Sinfonia Orchestra is a very select ensemble whose members are chosen on the basis of their technical ability, overall musicianship, and desire to achieve very high-performance standards for themselves and the ensemble. They perform music from all time periods, with special emphasis being placed on the more difficult classical literature. They perform at all school concerts as well as festivals, contests, and other special events. Membership is by audition in February.
Fee: $20

CHORAL MUSIC

A cappella Choir
(5 periods per week for 1 year - 1 Credit)
(Open by audition only)

A cappella Choir is open to all 9th grade through 12th grade students by basic audition. The objective of this group is to develop solid vocal technique, basic musicianship skills, and to provide students with an appreciation for the art of vocal music. The choir performs music from all periods with special emphasis being placed on intermediate classical literature. Membership is by audition in February.
Fee: $8

Concert Choir
(5 periods per week for 1 year - 1 Credit)
(Non-auditioned choir)

Concert Choir is open to all 9th grade through 12th grade students. The objective of this group is to develop solid vocal technique, basic musicianship skills, and to provide students with an enjoyable social opportunity in the performance of vocal music.
Fee: $8

Music In Motion
(5 periods per week for 1 year - 1 Credit)
(Open by audition only)

Music In Motion is a highly select choir whose members are chosen on the basis of musicianship, vocal quality, dance skills, and a desire to achieve high performance standards. Music In Motion is open to female students in grades 10-12, and male students in grades 9-12. The choir performs music from all periods with special emphasis being placed on the more difficult classical literature and highly customized show choir music. They perform at all school concerts as well as festivals, contests, and other special events. Membership is by audition in February. Fee: $8

SCIENCE

Courses

All are year courses.

Biology
Honors Biology
Anatomy & Physiology
AP Biology
Chemistry
Honors Chemistry
AP Chemistry
Physics
AP Physics 1
AP Physics 2
Environmental Science
AP Environmental Science
Forensics Science

Biology
(5 periods per week for l year - l Credit)

This course is designed to give students an overview of biological concepts. Students will explore topics such as biochemistry, cell structure and function, photosynthesis, respiration, protein synthesis, cellular reproduction, genetics, social issues, evolution and ecology. Relationships of living things are presented through laboratory activities, simulations and classroom discussions. Fee: $16

Honors Biology
(5 periods per week for l year - 1 Credit)
(Teacher recommendation only)

This course is designed to develop an understanding of the nature of life by concentrating on cellular structure and function, cellular reproduction, heredity, natural selection, species diversity, ecology, conservation, and social issues. Additionally, the students will be exposed to biochemistry, photosynthesis, respiration, protein synthesis and recombinant genetics. A laboratory approach will be used that develops a scientific approach to problem solving with emphasis on microscopy and structural relationships based on evolutionary trends. This course is recommended for those students planning to incorporate AP Biology into their schedule and/or those students who plan to pursue science-related careers at the college level. Fee: $16

Anatomy & Physiology
(5 periods per week for 1 year - 1 Credit)
(Pre-requisites: Achieved a C or better in Biology and Chemistry; can be taken concurrently with Chemistry and approval of biology teacher)

This course presents a systemic approach to the study of the human body. Course topics begin with an introduction of anatomical terminology and an overview of cellular processes and tissue classification. Students then are introduced to the gross and microscopic anatomy of the following systems: integumentary, skeletal, muscular, nervous, circulatory, respiratory, digestive, urinary and reproductive. The laboratory component of the course generally parallels and reinforces lecture concepts through the use of models, histological slides, skeletal materials, as well as cadaver demonstration.

Students will learn the names and functions of anatomical structures; learn anatomical structures and concepts that will help them succeed in their future college program; understand the "big picture" of how anatomical systems work together; and understand and apply the clinical relevance of anatomical structures. Fee: $52

AP Biology
(5 periods per week for l year - 1 Credit)
(Prerequisites: Honors Biology)

AP Biology is designed to meet the objectives of a general biology course at the college level. The course includes cellular, organismal and populational approaches with stress given to unifying these areas from a chemical and evolutionary viewpoint. There is equal emphasis given to botany and zoology. Evaluation of enrolled students is based on expressing ideas orally, objecttively and in essay form. Sophomores, juniors, and seniors of special ability may enroll with recommendation of teacher, parent and counselor. Students are required to take the AP exam in May. Fee: $26

Chemistry
(5 periods per week for 1 year - 1 Credit)
(Prerequisites: Algebra I)

Chemistry deals with all of the substances that make up our environment. It also deals with the changes that take place in these substances. This course is designed to be more conceptual with less mathematical problem solving than Honors Chemistry. This course will expose students to the chemistry taking place all around them. This course is a college prep course intended for students who do not intend to pursue science-related careers. Fee $16

Honors Chemistry
(5 periods per week for l year - l Credit)
(Prerequisites: Geometry taken concurrently or completed)

Chemistry deals with all of the substances that make up our environment. It also deals with the changes that take place in these substances. This course is similar to general chemistry with more emphasis on individual

initiative and mathematical problem-solving skills at the algebra level. This course emphasizes learning of chemical principles and their application to appropriate problems. Most of the problem solving will occur in a laboratory setting. Honors Chemistry will provide a solid base in chemistry and chemical principles to all students who intend to pursue advanced placement chemistry and/or science-related fields in college or professional schools. This course is intended for future science majors. Fee: $16

AP Chemistry

(5 periods per week for l year - l Credit)
(Prerequisites: Honors Chemistry and Algebra II; Pre-Calculus or a higher-level math course taken concurrently)

This is a second-year chemistry course for gifted and motivated students who intend to pursue a career in science. The structure, properties and behavior of matter are examined theoretically and in the laboratory. College level texts and labs are used. A major goal is to develop applied mathematics through the study of "real world" chemical problems via daily homework and tests. The course will pose intellectual and laboratory challenges to all students and will satisfy the requirements for a first-year college lecture course in General Chemistry. Students are required to take the AP exam in May. Fee: $26

Physics

(5 periods per week for l year - l Credit)
(Prerequisites: Algebra II taken concurrently or completed)

This is an introductory course designed to give the non-science major some understanding of what physics is all about. Students will study and analyze a variety of motions observed in everyday life and the laws governing them. Other topics will include electricity, magnetism, batteries, and some modern physics. Many "hands on" activities are included. In addition, students will learn how to integrate the computer (primarily EXCEL) with course work to help analyze data and develop logical scientific conclusions. A must for any college bound student. Fee: $16

AP Physics 1

(5 periods per week for l year - l Credit)
(Prerequisite: Pre-Calculus taken concurrently or completed and teacher recommendation)

This is a first-year physics course leading to the completion of AP Physics 1 exam. College level text and labs are used. An in-depth study of physical phenomena promoting a deep understanding of physics principles covering the following major areas: motion, force, gravity, energy, momentum, waves and circuits. Students will gain knowledge and develop critical thinking skills through problem solving, experiments, demonstrations, discussions and reading. Students are required to take the AP exam in May. Fee: $26

AP Physics 2

(5 periods per week for 1 year - 1 Credit)
(Prerequisites: AP Physics 1 and Pre-Calculus taken concurrently or completed and teacher recommendation)

This is a second-year physics course leading to the completion of AP Physics 2 exam. College level text and labs are used. An in-depth study of physical phenomena promoting a deep understanding of physics principles covering the following major areas: fluids, thermodynamics, electricity, magnetism, optics and modern physics. Students will gain knowledge and develop critical thinking skills through problem solving, experiments, demonstration, discussions and reading. Students are required to take the AP exam in May. Fee: $26

Environmental Science

(5 periods per week for l year - l Credit)

Environmental Science is designed to introduce students to major ecological concepts and the environmental problems that affect the real world in which they live. Students will learn about the developments in technology and evaluate them for their environmental and social effects. Topics include human population dynamics, land use, ecological interactions, natural resources, air, water and soil qualities, energy sources, and local and global environmental changes. Students will perform classroom, laboratory and field investigations. This course is designed for students considering careers in urban development or management, ecology, natural resources, agriculture, wildlife management and conservation related fields. Fee: $26

AP Environmental Science

(5 periods per week for l year - l Credit)
(Prerequisites: students who have achieved an A or B in Honors Biology or Honors Chemistry and successfully completed one year of algebra)

AP Environmental Science is a course to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students are required to take the AP exam in May. Fee: $26

Forensics Science

(5 periods per week for 1 year - 1 Credit)
(Prerequisite: Successful completion of Biology & Chemistry)

Are you interested in the science behind the CSI television shows? Have you wondered exactly what crime scene investigators do? Those questions are answered in Forensics Science. In this new course, students will study the field of forensics science, a multidisciplinary approach encompassing biology, chemistry, physics, and crime science investigation. Students will study the role of genetics, toxicology, entomology, ballistics, pathology, computer forensics, and fire, debris, and trace evidence in crime scene investigation. Students will focus on inquiry and problem solving within an interdisciplinary scientific, relevant context. Fee: $52

SOCIAL STUDIES

Courses

All are year courses except U.S. Government, Financial Literacy, Black Experience I & II, Facing History and Ourselves, History of Sports, Psychology, Sociology and The American Legal System and You.

AP World History
World History
AP U.S. History
U.S. History
AP U.S. Government
U.S. Government
AP Economics
AP Psychology
Psychology
AP Human Geography
AP European History
AP Comparative Government & Politics
Financial Literacy
Sociology
Black Experience I
Black Experience II
Facing History and Ourselves
History of Sports
The American Legal System & You

World History

(5 periods per week for l year - 1 Credit)

This survey course provides a traditional study of significant events from the Enlightenment Period (1750) through present day. As the ninth-grade social studies required course of study, this course will utilize the Ohio Department of Education strands to guide instruction with special emphasis on developments in the 20th Century world.

AP World History

(5 periods per week for 1 year - 1 Credit)
(Prerequisite: Teacher Recommendation)

Covering a time period from the beginning of recorded history through the present, the AP World History curriculum covers an immense period of time. This stretch of time is broken into four basic time periods and is assessed in a manner similar to the AP World History test.

This is an extremely demanding course for a select group of students seeking to deepen their knowledge of history through a look at Africa, the Americas, Asia, Europe and Oceania. The course requires exceptional reading and writing skills. Students will focus on historical thinking and analysis of historical sources. In addition to historical analysis, there will be a focus on effective writing in the AP style in preparation for the required AP World History test given in May.

U.S. History

(5 periods per week for l year - l Credit)
(Prerequisite: World History)

This course provides a survey of the development of the U.S. from 1870 to the present.

AP U.S. History

(5 periods per week for l year - l Credit)
(Prerequisite: World History or AP World History)

This is a demanding college-level course providing an in-depth chronological view of the American experience to the present. Emphasis is on writing and on reading a variety of primary and secondary sources. The AP Examination is taken in May and earning a certain score may result in the awarding of college credit and/or placement. Students are required to take the AP exam in May.

U.S. Government

(5 periods per week for l semester - 1/2 Credit)
(Prerequisite: U.S. History)

This course is an overview of the U.S. political system including political ideology, the U.S. Constitution and events leading to its adoption, the legislative, executive, and judicial branches, civil liberties, voting behavior and elections.

AP U.S. Government

(5 periods per week for 1 year – 1 Credit) (Prerequisite: Interest in government as well as previous AP experience or success in general-level Social Studies courses.)

A demanding course for students seeking an in-depth view of the American political system. Topics to be covered are detailed study of the three branches of government as laid out in the Constitution, as well as political parties, interest groups, civil rights, civil liberties, voter participation and behavior, public policies, and government bureaucracy. The course demands exceptional reading and writing skills. It is imperative that the student is highly motivated and willing to put forth the time and effort required for a course of this intensity. Students must be willing to participate in active class dialogue and debate. Students are required to take the AP Government exam in May

The American Legal System and You

(5 periods per week for 1 semester for ½ Credit) (Prerequisite: U.S. History) (Juniors and Seniors only)

The American Legal System and You is a semester on-level course using the Street Law structure to study the foundations, structure, process, careers, and issues facing our legal system, both criminal and civil. The course involves discussions, debates, current events, guest speakers, and mock trials to lead to a better understanding our legal system and where they can make a difference in our society through this better understanding.

Psychology

(5 periods per week for l semester - 1/2 Credit)

This course is an introduction to the study of human behavior. Topics addressed include but are not limited to memory, motivation, sleep and dreams, learning theory and behavior modification, perception, personality, abnormal behavior, intelligence and personality testing, stress and the life cycle.

AP Economics

(5 periods per week for 1 year - 1 Credit) (Prerequisite: Recommendation by a social studies teacher.)

This course is a full year concentrated study of the principles of Economics as they apply to both consumers and businesses within the larger economic system. During the first half of the course, areas of concentration will include the roles of consumers and businesses in our economy, the different types of markets that businesses compete in, and the roles of the government in our economy. In the second half of the course, the concentration will be on the national economy, fiscal (government) policy and its effects, monetary (banks) policies and their effects, and international trade.

Students in this class will prepare to take both the Micro and the Macroeconomics AP test in May, which may earn them college credit or advanced placement in college. A high level of proficiency in math is not required. Students are required to take the AP exam in May. This course fulfills the financial literacy state requirement for graduating classes 2024 and 2025.

AP Psychology

(5 periods per week for l year - 1 Credit) (Prerequisites include above average achievement in other social studies classes and a recommendation by a social studies teacher.)

This course is a full year concentrated study of the field of Psychology. This is a demanding course for students interested in the systematic and scientific study of the behavior and mental process of human beings and other animals. Students will study the history and approaches to psychology including the theoretical approaches in explaining behavior, the domains of psychology, and the major historical figures and theories. Areas of concentration will also include research methods, the biological basis for psychology, sensation and perception, states of consciousness, learning, cognition, motivation, developmental psychology, personality, abnormal behavior and social psychology. Students will also learn about the ethics and methods psychologists use in their science and practice.

Students must have a strong interest in the field of psychology, and excellent critical thinking and study skills. Students are required to take the AP Psychology exam in May.

AP European History

(5 periods per week for l year - 1 Credit) (Prerequisite: students must have successfully completed both World History and U.S. History or completed AP World History. Must also have teacher recommendation.)

AP European History is a course that is designed for students to gain knowledge of basic chronology and of major events and trends from approximately 1450 to present. The students would develop an understanding of some of the principal themes in modern European history, an ability to analyze historical evidence, and an ability to analyze and express historical understanding in writing. Students are required to take the AP exam in May.

AP Comparative Government & Politics

(5 periods per week for 1 year - 1 Credit)

With this course students will have the opportunity to pursue an interest in government and political affairs in the countries of the United Kingdom, Russia, China, Mexico, Nigeria and Iran. These six core countries form the basis of the AP Comparative Politics Exam. Content covered in these countries will include their branches of government, system of elections, party politics, and the social and political culture of each. This is an excellent course for students who seek to pursue international affairs, international business, international law, or public service. Students are required to take the AP Exam in May.

AP Human Geography

(5 periods per week for 1 year - 1 Credit)

AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. The course covers issues of migration, climate change, women's roles, technological innovation and urban development. Students are required to take the AP exam in May.

Black Experience I

(5 periods per week for 1 semester, 1 AP weighted high school Social Studies credit – students earn 3 college credits through Kent State University – AFS Black Experience I)

This course examines the African experience prior to and following the arrival of Africans in the New World. It explores the contributions of Africans in the areas of state formation, arts/architectural designs, scientific explorations, religion, and other great human achievements. Discussion will also focus on major historical events such as the Trans-Saharan trade, Trans-Atlantic Slave trade, Middle Passage, and Slavery in America. The experiences of people of African descent in North and South America as well as the Caribbean will be examined. High school credit will be given for this course with the option to also earn college credit through Kent State University.

This course is a dual enrollment course through Kent State University. To take part in the course, students must be admitted as a College Credit Plus Student at Kent State University. Students must adhere to all College Credit Plus Admission procedures through Kent State University and the guidelines set forth by the State of Ohio Department of Education in accordance with College Credit Plus admission policies. Students must meet grade requirements, ACT/SAT requirements if applicable, application deadlines, State of Ohio Residency requirements, and mandatory orientation advising on campus. Students must also sign a Mature Content Permission Slip Form in order to take part in this course. Students who are NOT admitted as a Kent State University College Credit Plus student cannot take the course. Grades will not be shown in PowerSchool but will be posted at the end of the semester.

Black Experience II

(5 periods per week for 1 semester, 1 AP weighted high school Social Studies credit – students earn 3 college credits through Kent State University – AFS Black Experience II)

This course covers the Black Experience from 1865 to the present, including events, ideas, and persons in Africa, North and South America, and the Caribbean. The course will also examine slavery in America, the struggles for freedom, the Civil War, Reconstruction and Jim Crow eras, Black politics, culture, and society. The contributions of African Americans to the American society will also be examined.

This course is a dual enrollment course through Kent State University. To take part in the course, students must be admitted as a College Credit Plus Student at Kent State University. Students must adhere to all College Credit Plus Admission procedures through Kent State University and the guidelines set forth by the State of Ohio Department of Education in accordance with College Credit Plus admission policies. Students must meet grade requirements, ACT/SAT requirements if applicable, application deadlines, State of Ohio Residency requirements, and mandatory orientation advising on campus. Students must also sign a Mature Content Permission Slip Form to take part in this course. Students who are NOT admitted as a Kent State University College Credit Plus student cannot take the course. Grades will not be shown in PowerSchool but will be posted at the end of the semester.

Facing History and Ourselves

(5 periods per week for 1 semester - 1/2 Credit)

The objective of Facing History and Ourselves is to study cases of history that challenge us to analyze and discuss the ideas of racism, anti-Semitism, and prejudices that have existed, and still exist, throughout our world. The focus of this course includes the analysis of human behavior– why do people choose to be bystanders? Why do others stand-up and fight for what is morally right? How are others completely dehumanized and desensitized towards humanity?

The goal of this course is to encourage students of diverse backgrounds to engage in discussions that examine difficult topics in order to promote the development of a more humane and informed citizenry. This course would allow a deeper analysis of world events (topics could include but are not limited to: Genocide and Mass Violence, The Holocaust, Justice and Human Rights, Race in US History, Anti-Semitism and Religious Intolerance, and Democracy and Civic Engagement) and the ability to study through a variety of platforms (examined through a series of readings, videos, activities and reflections). This course is not about memorizing facts – it is about analyzing why people did what they did and how it changed society. Students will not only have the opportunity to reflect upon the universality of racism and social injustice, but also upon the importance of global awareness and civic engagement.

History of Sports

(5 periods per week for 1 semester - 1/2 Credit)

This course will focus on the origins and evolution of the major sports in America. Units of concentration in this course are: the Olympics, college sports, football, basketball, baseball, other sports, as well as Cleveland and Ohio sports history. Within each unit, students will learn the origins of each sport, how the sport developed over time, the best players, games and events that took place, as well as historically significant figures in each sport. From epic performances and sports scandals, to breaking race/gender barriers, to choosing the G.O.A.T., if you love sports, this class is for you!

Sociology

(5 periods per week for l semester - 1/2 Credit)

The study of the fundamental principles of human social behavior with a focus on individual and group behavior, the effects of heredity and environment on human behavior, normal and deviant behaviors, adolescence, educational systems, inter-national cultural differences and similarities, role relationships and conflicts, and the future of society are considered in this course.

Financial Literacy

(5 periods per week for l semester - 1/2 Credit)

Financial Literacy is defined as the ability to read, analyze, manage, and communicate about personal financial conditions that affect one's material well-being. It includes the ability to discern financial choices, discuss money and financial issues without (or despite) discomfort, plan for the future and respond completely to life events that affect everyday financial decisions, including events in the general economy. We will discuss topics such as savings, credit, debt, investing, budgeting, insurance, and consumer protection. This course fulfills the financial literacy graduation requirement.

TECHNOLOGY & ENGINEERING

Courses

All courses are semester courses.

Engineering Applications
Graphic Arts
AutoCAD I (Computer Aided Drafting)
AutoCAD II
Production Technology
Robotics
Woods & Home Construction Technology

Engineering Applications

(5 periods per week for 1 semester - 1/2 Credit)
(Prerequisite or Concurrent: Pre-Calculus and Physics.)

Students will explore the wide range of engineering professions and their content. Class work will include basic examples of engineering problems and hands on application of concepts. Students will design solutions to problems and create prototypes of their design using 3D printers. Topics covered will include electronics, energy & power, aerospace, mechanical and civil engineering. Fee: $26

Graphic Arts

(5 periods per week for l semester - 1/2 Credit)

An introduction to graphic arts and its related fields. Activities include beginning air brushing and silk-screening techniques. Student projects can include printing on t-shirts, glass, mirror, and all paper and poster products. Basic Photoshop skills will also be covered. Fee: $32

AutoCAD I (Computer Aided Drafting)

(5 periods per week for l semester - 1/2 Credit)

The purpose of this course is to provide an entry level knowledge-based and skill-based context for using AutoCAD software. The student will do assignments and projects to learn the AUTOCAD 2021 commands. Topics include basis engineering and architectural drawings, 3D wire frames and other 3D concepts. Fee: $16

AutoCAD II

(5 periods per week for 1 semester - 1/2 Credit)

Students will extend their knowledge of Computer Aided Drawing to include 3D solid modeling and graphic renderings of designs. Students will design Model Homes, products, mechanical processes and will learn the concepts of rapid prototyping. Engineering concepts and drawing methods will be stressed. Fee: $16

Production Technology

(5 periods per week for 1 semester - 1/2 Credit)

This course will expose students to a wide range of entertainment related technologies and concepts. Students will examine theatrical, television, film, concert and sporting events from a production point of view. Emphasis will be placed on the design aspects of these events and students will complete a project in one of these venues that encompasses sound, lighting, scenic, special effects, and costume design while considering the constraints of a budget.

Robotics

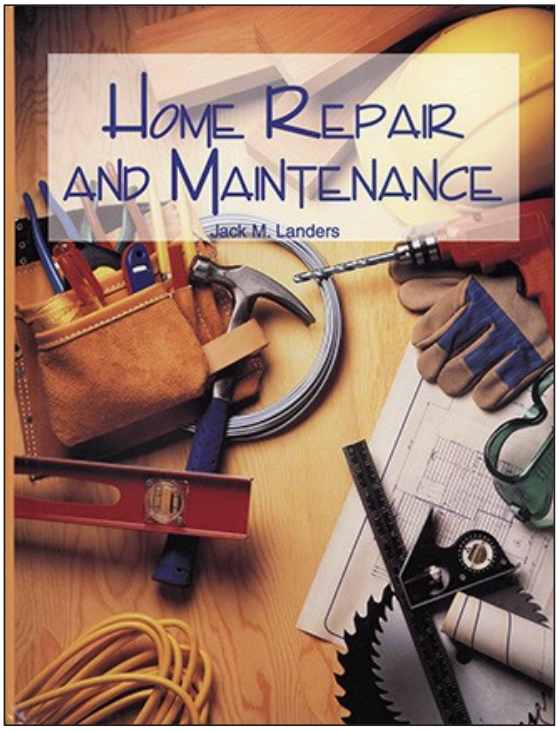
(5 periods per week for 1 semester - 1/2 Credit)
(Prerequisite: B or higher in Algebra I)

In this hands-on course, students will learn the principles and concepts needed to design, build, program and control robots. The course will teach programming as well as the Mechanical Engineering concepts needed for design and function. Focus will be placed on the art of combining design, programming and engineering into a working robot. Students will use an Arduino based controller and a remote control to operate the motors, servos, sensors and other mechanical components. The concepts learned in this course will provide a springboard for students going on to college in Robotics, Programming, Engineering or Electronics.

Woods & Home Construction Technology

(5 periods per week for 1 semester - 1/2 Credit)

This course has two distinct sections. First, students will learn basic home construction, maintenance and repair. Projects will include drywall repair, basic electricity, plumbing, siding and roofing. During the second quarter, the focus will shift when students will learn the basics of fine wood-working and will gain an appreciation for finished wood. Safety, tool use and project planning will be stressed throughout the course. Fee: $26



TECHNICAL EDUCATION

11th & 12th Grade

Arts & Communications	
Digital Arts & Technology *	Aurora High School
Performing Arts Academy *	Chagrin Falls High School
Studio Art & Design*	Orange High School
Business & Administration/Hospitality	
Business Academy **	Northern Career Institute - Willoughby
Culinary Arts **	Beachwood High School
Construction Tech/Manufacturing	
Construction Trades **	Construction Trades Building
Welding Technologies **	Northern Career Institute - Willoughby
Education & Training	
Teacher Education & Children's Health * (TEACH)	Beachwood High School
Engineering /Transportation	
Auto Collision *	Northern Career Institute - Willoughby
Automotive Technology **	Northern Career Institute - Willoughby
Computer-Aided Design/Drafting Engineering Technology (CADD) **	Mayfield Innovation Center
Environmental & Agricultural	
Holden Forests & Gardens and Holden Arboretum*	
Floriculture & Gardening Operations *	Gates Mills Environmental Ed. Center
Landscape Construction & Design *	Gates Mills Environmental Ed. Center
Health Sciences	
Pre-Nursing**	Northern Career Institute - Eastlake
Excercise Science & Sports Rehabilitation **	Brush High School
Licensed Practical Nursing (LPN) ** ^	Northern Career Institute - Eastlake
Medical Assisting **	Northern Career Institute - Eastlake
Medical Technologies **	Mayfield Innovation Center
Human Services/Public Safety	
Cosmetology *	Alpha Park
Fire/EMS Training Academy **	Mayfield High School & Auburn Career Center
Information Technology	
Interactive Media **	Mayfield Innovation Center
Information Technology & Programming (ITP) **	Mayfield Innovation Center

12th Grade Only

Marketing *	Beachwood High School

* denotes College Tech Prep Program
** denotes Tech Prep/CT²
^ denotes pre-entrance exam

Note: Fees are charged for these courses. Official information regarding fees will be provided upon application to the program. Speak to your guidance counselor for specific details about the program. Details can also be found at www.mayfieldschools.org.

Career Technical Education is high school and college education that provides students with:

- Academic subject matter taught with relevance to the real world, often called contextual learning;
- Employability skills, from job-related skills to workplace ethics;
- Education pathways that help students explore interests and careers in the process of progressing through school.

The following attributes are taken into consideration to be accepted into an Excel TECC program: GPA, discipline referrals, attendance, as well as submitting the application by given deadline.

Courses listed in this section are in the College Tech Prep Program. College Tech Prep blends college prep and technical education into an exciting program that helps students prepare for high- tech careers and helps employers obtain better-prepared workers. College Tech Prep programs provide a seamless curriculum pathway beginning in the 11th grade and continuing through a two-year associate degree program and/or further education at a four-year degree institution.

Some courses are denoted with a double asterisk because they are a Career-Technical Credit Transfer (CT^2) course. These guarantee transferability of credits from Ohio high school/adult workforce career-technical programs to Ohio public two-year and four-year institutions. Requirements for attaining college credit are specific to each career technical course. Excel TECC also has direct articulation agreements with Kent State University and the University of Akron.

Pre-Nursing I & II

(Northern Career Institute-
Eastlake Campus)
Allied Health I (Jr. Yr. - 3 Credits)
Principals of Allied Health
Patient Centered Care & Diagnostics
Allied Health II (Sr. Yr. - 3 Credits)
Medical Terminology
Pharmacology
ALL COURSES ARE FULL YEAR

This program is designed to provide the basic health-care skills necessary for an entry-level position in health care. Upon successful completion of the program and passage of certification exams, students can begin a career as a State Tested Nursing Assistant (STNA). Students will learn to assist patients with daily living and fundamental tasks, assist in a health care setting, and prepare sterile environments.

Certifications Available: State Tested Nursing Assistant (STNA) & CPR

Auto Collision I & II

(Northern Career Institute-
Willoughby Campus)
Auto Collision I (Jr. Yr. - 3 Credits)
Collision Nonstructural Inspection & Repair
Collision Painting & Refinishing
Auto Collision II (Sr. Yr. - 3 Credits)
Collision Structural Inspection & Repair
Collision Electrical & Mechanical
ALL COURSES ARE FULL YEAR

The Auto Collision program is designed to teach students the complete cycle of repairing automobiles and other vehicles damaged from normal "wear and tear" or from accidents and collisions. The knowledge and skills covered include shop safety, use of hand and power tools, rust repair, sheet metal repair, body panel replacement, fiberglass repair, unibody and frame repair, custom fabrication painting, MIG welding, detailing and customer service. ASE and NATEF are available for qualified students.

Auto Technology I & II

(Northern Career Institute-
Willoughby Campus)
Auto Technology I (Jr. Yr. - 3 Credits)
Automotive Braking Systems
Automotive Steering and Suspension Systems
Auto Technology II (Sr. Yr. - 3 Credits)
Ground Transportation Electrical/Electronics
Automotive Engine Performance
ALL COURSES ARE FULL YEAR

The Auto Technology program is a "hands on" learning environment, and experience is gained by performing many aspects of customer services. Students in the 1st year will be taught to use a computerized 4-wheel alignment machine and computerized wheel balancer and gain experience with tire pressure monitoring systems. Students will also have the opportunity to receive the SP2 safety certificate and The Valvoline Motor Oil Basics Certificate. Students will remove and replace various steering and suspension components, brakes and exhaust systems and will use MIG welding and Oxy fuel torches.

Second year students will use a variety of advanced computerized scan tools from Snap-On and Bosch to diagnose and repair drive train, emission, electrical issues such as Anti-Lock Brake systems and check engine lights. Students will be introduced to drive train, transmission, and engine repair. In addition, they will also be introduced to the maintenance and repair of sports and recreational vehicles such as ATV's and motorcycles.

Business Academy I & II

(Northern Career Institute-
Willoughby Campus)
College Tech Prep
Business Academy I (Jr. Yr. - 3 Credits)
Business Foundations
Management Principles
Business Academy II (Sr. Yr. - 3 Credits)
Marketing Principles
Strategic Entrepreneurship
ALL COURSES ARE FULL YEAR

The Business Academy is a dynamic, comprehensive program which will introduce students to the exciting professional world of Business. Students will explore several diverse career areas including Entrepreneurship, Marketing, eCommerce, Management, Personal Finance, Project Management, International Business, Business Law, Finance, Operations and Management.

The objectives of the Business Academy are to prepare students for transition to college, technical school or employment and to connect, collaborate and compete in a global economy. An emphasis on communication, critical thinking, strong work ethic, goal setting, productivity, leadership and teamwork will provide students with a solid foundation for success. Students will have the opportunity to participate in DECA, a Career Technical Student Organization. Students will be encouraged to participate in an internship experience during their senior year.

CADD Engineering Technology I & II

(Computer-Aided Design/Drafting)
(Mayfield Innovation Center)
College Tech Prep
CADD I (Jr. Yr. - 3 Credits)
Engineering Design
Architecture Design/Site & Foundation Plans
CADD II (Sr. Yr. - 3 Credits)
Architectural Design/Structural &
Mechanical/Electrical/Plumbing
Manufacturing Operations
ALL COURSES ARE SEMESTER

Students who have an interest in how things are made and work, an interest in design and product invention, and seeing their ideas come to life are ideal candidates for the CADD Engineering Technology course. Students who complete the program have the opportunity to earn up to sixteen semester hours of college credit.

CADD I, the first year of a two-year program located at Mayfield Innovation Center meets daily for lab and lecture activities. The program gives high school juniors interested in Science, Technology, Engineering, & Mathematics (STEM) careers a head start

on mastering core concepts and techniques critical to success in these areas. CADD I students learn about various aspects of the engineering and manufacturing design processes and their application to various software programs. Specific software program selections may vary, but will include AutoCAD, Solidworks and Revit applications, as well as applications to support Fabrication Lab equipment. Students may also have the opportunity to intern with outside businesses.

CADD II, a continuation of the CADD I program, builds on previously learned concepts and principles. Competencies focus on Architectural design, including site/foundation planning, plan development and electrical, mechanical and structural concepts. Specific software program selections may vary but will include the Autodesk Revit application. Senior CADD students also gain experience with larger collaborative projects in Engineering and Architecture. Students may have the opportunity to intern with outside businesses. CADD II students will complete a real-world capstone project to complete their senior year.

Construction Trades I & II

(Mayfield program located at 4896 345th Street, Willoughby)
Construction Trades I (Jr. Yr. - 3 Credits)
Construction Technology
Carpentry & Masonry Technical Skills
Construction Trades II (Sr. Yr. - 3 Credits)
Structural Coverings & Finishes
Structural Systems
ALL COURSES ARE FULL YEAR

The Construction Trades program will prepare students to enter the workforce or to continue education at the post-secondary level. Students will learn basic skills in construction management, safety and in the following trade areas: house framing, masonry, gutters, siding, roofing, plumbing, electrical, painting, carpentry, deck building, dry wall, floor coverings, wall-papering and simple home repairs by building homes in the classroom. Students will also experience onsite work learning, how to estimate jobs along with reading blueprints. Students will get the chance to get real life job experience by providing home improvements in the community. In the second year of Construction Trades students will have the opportunity to maintain a construction related job during the day. Students would work a minimum of 15 hours per week and must provide their own transportation. Students will be required to take an end of course test.

Cosmetology I & II

(Mayfield program located at 215 Alpha Park Drive)
COS I (Jr. Yr. - 3 Credits)
Microbiology & Infection Control
Trichology
COS II (Sr. Yr. - 4 Credits)
Skin Care Fundamentals & Enhancements
Fundamentals of Chemical Services
* Please Note: Students receive 1 credit for Theory and 1 credit for Internship.
ALL COURSES ARE SEMESTER
The lab training consists of learning manipulative skills such as hair cutting, hair styling, hair tinting, permanent waving, blower styling, hot iron styling, manicuring, and facials. Early in the program, students practice on mannequins. As they progress in skills and hours of instruction, they may practice on customers.

The Cosmetology II course is designed to assist the student in developing specific skills and scientific knowledge to become a cosmetologist. The major part of the cosmetologist's education is devoted to developing and mastering essential specific manipulative skills.

The students operate a professional customer clinic. Business management provides the student with the principles needed to plan and operate a salon as a successful business. In order to be eligible to take the State exam, students must pass junior and senior English, junior chemistry, and both years of lab and theory, and participate in 150 hours of Internship after school under the supervision of a managing cosmetology licensee. The internship is one managing cosmetology licensee per student placement. Additional optional certification programs including hair extensions and airbrush makeup are available.

Upon successfully passing the State Board of Cosmetology exam, the student will be licensed to work in a salon. Students can also earn 20-30 hours towards an Associate Technical Study degree.

Culinary I & II

(Beachwood High School)
Culinary I (Jr. Yr. - 4 Credits (includes science credit)
Hospitality Fundamentals
Fundamentals of Food Production
Dining Room Service & Operations
Culinary II (Sr. Yr. - 5 Credits (includes Math credit and co-op experience)
ALL COURSES ARE FULL YEAR

Culinary Arts I will offer on-site training in our public restaurant to high school juniors showing interest and aptitude for the food service industry. The first year of the two-year sequence consists of a supervised in-school restaurant experience and related instruction. Using the nationally recognized ProStart and ServSafe curriculums, students will develop basic skills in food preparation, service and sanitation.

Culinary Arts II offers a coordinated employment experience and curriculum involving restaurant management, culinary theory and culinary math. The ProStart curriculum is endorsed by the National Restaurant Association Education Foundation and provides each student earning a Certificate of Achievement with articulated college credit. The paid internship component allows the students to work in the food industry after school and weekends a minimum of 12.5 hours per week to receive credit and earnings. Students must provide their own transportation.

Digital Arts & Technology I & II

(Aurora High School)
College Tech Prep
Digital Arts I (Jr. Yr. - 3 Credits)
Arts & Communication Primer
Digital Image Editing
Digital Arts II (Sr. Yr. - 3 Credits)
Business of Arts & Communication
Video Production
ALL COURSES ARE FULL YEAR

The Digital Arts & Technology program is geared towards the students who are interested in digital photography, videography, and audio engineering, cinematography, graphic design and digital media. Students will receive training on how to market the aforementioned skills and advance their careers or post-secondary education. Basic photography and camera skills are taught using our array of DSLR cameras, studio lighting, strobes, and software such as Adobe Lightroom and Photoshop. The videography/cinematography component of the program involves music videos, short films, documentaries, presentations and special effects. Students utilize high-end DSLR and cinema cameras and software to professionally edit video. A third tier of Digital Arts & Technology is audio engineering. We use industry standard audio recording and mixing software and Avid Pro Tools. Students will learn the basics of audio by means of recording techniques, microphone placement, and mixing. First year students meet every day in the morning where all aspects are taught to a basic level. Students will be encouraged to gravitate towards their desired area of specialization.

Environmental Education Programs

College Tech Prep
EE I (Jr. Yr. - 3 Credits)
EE II (Sr. Yr. - 3 Credits)

Cleveland Botanical Garden

(Cleveland Botanical Garden)

Cleveland Botanical Garden Program is for students that desire a career in landscape maintenance and public gardening. The garden houses 10 landscaped acres of permanent, award-winning displays and themed gardens which the students use for their classroom. The students are engaged by hands-on horticultural experiences as they work alongside their teachers and the knowledgeable CBG staff members in areas of interest. This program is designed for those students who wish to develop their landscaping skills, work habits, and knowledge to ultimately become successful workers in the horticulture industry and productive members of society. Entry employment opportunities are available, and continuation of higher education is encouraged after completion of the program.

Floriculture & Gardening Operations

(Gates Mills Environmental Education Center)

The Floriculture and Gardening Operations program is for students who wish to explore several areas in the green industry before entering post-secondary training or the work force. The program offers the basics in landscape and golf course maintenance, gardening, greenhouse, floral, garden center and nursery operations. The program includes hands-on training by growing, maintaining, selling and designing with trees, shrubs, perennials, annuals, vegetables, houseplants and cut flowers. Students are encouraged to participate in a paid internship program to enhance the learning experience in specialized areas of Horticulture. Opportunities are available for students to participate in community events, field trips, volunteer experiences, National Technical Honor Society, industry certifications, local and state competitions and FFA. Students will also have the opportunity to connect with industry professionals.

Landscape & Turf Operations

(Gates Mills Environmental Education Center)

The Landscape Construction and Design program is an intensive Tech Prep program designed for students who are serious about employment in the landscape industry and/or to prepare themselves for further education in a college, university or trade school. The course uses a project-based and problem-based philosophy while providing students with hands on work and instruction both on the horticulture campus and at off-site locations. Students will engage in topics such as landscape equipment operation, landscape design and estimating, plant identification and care, construction with stone, wood and precast pavers, and general maintenance of the landscape. Career opportunities include: landscape designer/architect, crew leader – landscape maintenance, park system work, landscape/hardscape construction, and gardener.

Exercise Science & Sports Rehabilitation I & II

(Brush High School)
College Tech Prep
ESSR I (Jr. Yr. - 3 Credits)
Health Science & Technology
Exercise & Athletic Training
ESSR II (Sr. Yr. - 3 Credits)
Medical Terminology
Fitness Evaluation & Assessment
ALL COURSES ARE FULL YEAR

This health science program is designed to build academic and practical skills in functional anatomy and exercise science, along with the basics of injury recognition, management, and prevention. Exercise Science & Sports Rehabilitation also offers real work experience through shadowing and clinical hours in an approved healthcare facility.

Students wishing to attend college will have a good foundation for a declared major in any health-related field. Students will be required to join the student organization Health Occupations Students of America (HOSA) and may compete in local, regional & national activities. Students may earn a CPR certification, a personal training certification (ACSM) and certification as a physical therapy aide (AMCA).

Fire/EMS Training Academy I & II

Juniors (Mayfield High School)
Seniors (Auburn Career Center)
College Tech Prep
Fire/EMS I (Jr. Yr. - 3 Credits)
Foundations of Fire Fighting & Emergency Medical Services
Fire/EMS II (Sr. Yr. - 3 Credits)
Emergency Medical Technician (1st semester senior year)
Firefighter I (2nd semester, 3rd quarter, senior year)
Firefighter II (2nd semester 4th quarter, senior year)

The first-year students learn the foundations of the Firefighting and EMS field, featuring a wide variety of practical learning experiences and related academic classes. Students will be exposed to and become proficient in foundational skills necessary in the Fire and EMS career, including:

- Communications
- Leadership and teamwork
- Problem solving skills
- Safety and wellness
- Ethical and legal responsibilities
- Employability Skills
- CPR/First Aid Training

The second year, students will be enrolled in a college level EMT class for the first semester and the second semester will be enrolled in the Fire Academy. It should be stressed that the EMT and Firefighting programs are at a college level and require substantial study time outside of class time to be successful. Students must achieve and maintain an 80% grade average and meet the attendance requirements in order to be eligible to sit for the State examination.

Information Technology & Programming I & II

(Mayfield Innovation Center)
College Tech Prep
ITP I (Jr. Yr. - 3 Credits)
Core Courses: Programming Logic & Design
Principles of Web
ITP II (Sr. Yr. - 3 Credits)
Computer Software
Computer Hardware
Senior Pathway Options: Industry Certification Prep: PC Pro/CompTIA A+ PCTechnician; Network Pro/CompTIANet+; Security Pro/CompTIASecurity+; Linux Pro/CompTIA Linux+; Adobe Creative Suite.
Non-Certification Options: Unity Game Development(C#.NetProgramming), Mobile Applications Development (Android & iOS w/Java and Objective-C), JAVA Computer Programming
ALL COURSES ARE SEMESTER

Interactive Media I & II

(Mayfield Innovation Center)
College Tech Prep
IM I (Jr. Yr. - 3 Credits)
Creating & Editing Digital Graphics
Video & Sound
IM II (Sr. Yr. - 3 Credits)
Animation
3D Techniques
ALL COURSES ARE SEMESTER

Interactive Media (IM) careers are highly recommended for students interested in art combined with digital technology such as digital art and design, digital photography, graphic design, animation, web authoring, special effects video, 3D design, and emerging interactive multimedia technologies. Computers are the standard tool for many jobs in the art industry today. Students communicate effectively and professionally with adult clientele and have done award winning projects for clients that include the Lake County Metroparks and the Hungarian Society of Cleveland. Classroom facilities match the professional graphic arts work environment, including Adobe Creative Cloud Suite professional level computer graphics software, digital drawing tablets, scanners, digital photo and video cameras, lighting and sound equipment, and computers with dual display monitors.

Licensed Practical Nursing I & II

(Northern Career Institute - Eastlake Campus)
College Tech Prep
Licensed Practical Nursing I (Jr. Yr. - 3 Credits)
Patient Centered Care
Nutrition & Wellness
Licensed Practical Nursing II (Sr. Yr. - 3 Credits)
Patient Centered Care & Diagnostics
Lifespan Development & Medical Intervention
ALL COURSES ARE FULL YEAR

Certification Available: Licensed Practical Nurse (LPN), State Tested Nursing Assistant (STNA) & CPR

This unique program is approved by the Ohio Board of Nursing, C.O.E, and the Ohio Department of Career and Technical Education. Some of the courses include fundamentals of nursing which includes a skill lab component, body and structure, nutrition, professional relationships, pharmacology and medical/surgical nursing. Clinical experience is correlated with theory and is provided at local hospitals, rehab facilities, assisted living facilities and nursing homes.

Upon successful completion of the nursing course, the graduate takes the Ohio Board of Nursing examination which provides licensure for the graduate. Once licensed, the graduate nurse is able to provide comprehensive total nursing care to people of all ages.

Marketing Communications

(Beachwood High School)
College Tech Prep
Grade 12 only - 3 Credits
Business Foundations
Marketing Principles
Marketing Applications
Integrated Marketing Communications
Marketing Tech Work
ALL COURSES ARE SEMESTER

Marketing is a college-preparatory program for students interested in studying business, marketing or a related field in college. Marketing provides a hands-on experience for our students in a fun, real-world environment. Students will develop marketing skills outside of the classroom and interact with individuals in the business world by developing and operating their own company.

Students participate in Junior Achievement which helps them develop marketing and entrepreneurial skills outside the classroom.

All students are employed in diverse fields of choice and are evaluated at their work sites.

Medical Assisting I & II

(Northern Career Institute - Eastlake Campus)
College Tech Prep
Med Assist I (Jr. Yr. - 3 Credits)
Medical Terminology
Patient Centered Care & Diagnostics
Med Assist II (Sr. Yr. - 3 Credits)
Lifespan Development & Medical Intervention
Medical & Dental Office Technology
ALL COURSES ARE FULL YEAR

Certifications Available: Registered Medical Assistant (RMA), CPR & Certified Phlebotomy Technician (CPT)

The Medical Assisting program is designed to prepare students to handle both the clinical duties and administrative responsibilities in a medical setting. Students learn anatomy and physiology, medical office protocol, vital signs, and patient care. Medical terminology, medical ethics, office skills, and basic patient care are included. Classroom and clinical settings offer a variety of opportunities for learning.

Medical Technologies I & II

(Mayfield Innovation Center)
College Tech Prep
MT I (Jr. Yr. - 3 credits)
Principles of Allied Health
Patient Centered Care & Diagnostics
JUNIOR COURSES ARE ALL YEAR
MT II (Sr. Yr. - 4 Credits includes Internship)
Lifespan Development & Medical Intervention
Medical Terminology
Students will receive 1 credit either 1st/2nd semester for internship.
SENIOR COURSES ARE SEMESTER

Medical Technologies is intended for those students who are serious about an educational future in the medical/dental sciences. The program prepares students with an interest in the medical professions to develop the knowledge, attitudes, practices and technical skills to obtain employment in medical, dental and diagnostic treatment facilities. Medical Technologies prepares the student to continue their education in a post-secondary institution in the medical/dental or diagnostic sciences. The Medical Technologies student will participate in instructional, laboratory and clinical experiences designed to equip the student for direct patient care, diagnostic, therapeutic and treatment options. As seniors, students will participate in a clinical experience in world renowned health care facilities that will include an in-depth look at local medical/dental facilities. Students must be able to provide their own transportation to the clinical lab experience. Related subjects include Lifespan Human Growth and Development, Principles of Allied Health, Patient Centered Care and Diagnostics, AHA Healthcare Provider C certification, OSHA completion, Infection Control and Risk Management, Human Relations, disease pathology/treatment, Basic Electrocardiogram Interpretation and Medical Terminology.

Performing Arts Academy I & II

(Chagrin Falls High School)
College Tech Prep
PA I (Jr. Yr. - 3 Credits)
Performing Arts Primer
Acting & Script Analysis
PA II (Sr. Yr. - 3 Credits)
Acting Performance
Stagecraft
ALL COURSES ARE FULL YEAR

The Academy for the Performing Arts is a college preparatory program for high school juniors and seniors. The program will consist of acting, theatre, movement, voice for the stage and tech theatre training and performance education. This will include daily acting classes, plus classes in voice, movement, musical theatre, technical theatre, stage combat, makeup, history, vocal training, and audition labs. The acting class will consist of sessions of improvisation, scene study, Shakespeare, Styles physical technique, acting for the camera and two years studying Stanislavski technique. The voice class will include vocal exercises, dialects and monologues. Additional workshops led by guest artists from professional theatre.

Studio Art & Design I & II

(Orange High School)
College Tech Prep
SAD I (Jr. Yr. - 3 Credits)
Visual Creation
Visual Design Primer
SAD II (Sr. Yr. - 3 Credits)
Advertising & Communication
Business of Arts & Communication
ALL COURSES ARE SEMESTER

The expectation in Studio Art & Design is to prepare self -motivated, creative students for careers in the visual arts by developing a comprehensive portfolio for college acceptance.The program aims to prepare students to be, College & Career Ready. All art students will be introduced to the multiple careers in the visual arts through the use of social media, guest speakers, class instruction and our own professional networking resource, "ARTatWORK".

Teacher Education & Children's Health I & II (T.E.A.C.H.)

(Beachwood High School)
College Tech Prep
TEACH I (Jr. Yr. - 3 Credits)
Early Childhood Education Principles
Foundations of Education & Training
TEACH II (Sr. Yr. - 3 Credits)
Health, Safety & Nutrition
Infant & Toddler Education
ALL COURSES ARE SEMESTER

The T.E.A.C.H. program prepares students to fill a vital role in the education and health of children. This program teaches content knowledge in child development, curriculum, common core, early learning content standards and educational theory as well as middle childhood development and children's health. High school students receive the opportunity to teach and care for children in many different learning environments. The first-year stresses basic skills needed to work with children of all ages. Students travel with the instructor to different lab schools to develop the concepts and skills needed to work with children.

The second year of the T.E.A.C.H program further develops content knowledge and essential teaching skills and strategies necessary to become a professional or teacher ready to work with children of all ages. The students

apply knowledge of child development and best practices while working in independent internships with children for the entire school year. Students who meet both attendance and academic requirements set by area colleges will be awarded credits towards a two or four-year degree in Early Childhood Education, Elementary Education or another field related to Child Health and Development.

Welding I & II

(Northern Career Institute-
Willoughby Campus)
Welding I (Jr. Yr. - 3 Credits)
Gas Metal Arc Welding
Shielded Metal Arc Welding
Welding II (Sr. Yr. - 3 Credits)
Flux Cored Arc Welding
Gas Tungsten Arc
ALL COURSES ARE FULL YEAR

This two-year program will train student in SMAW, GMA W, GTAW, FCAW, OFC, blueprint reading and shop safety. Students are taught the same skills that are taught at the Lincoln School of Welding. Related classroom instruction is also an important part of the Welding program. In related class, students learn the scientific theories and principles of welding as well as information on fabrication and welding different alloys. Blueprint reading and layout skills along with mathematics and other job skills are part of the related class. Community service projects are stressed. Opportunities for trained welders include millwright welder, fabrication welder, tack welder, pipe welder, welding inspector and welding equipment tender.

WORLD LANGUAGES

Courses

All are year courses.

American Sign Language I
American Sign Language II
American Sign Language III
American Sign Language IV
Chinese I
Chinese II
Chinese III
Chinese IV
AP Chinese Language & Culture
French I
French II
French III
French IV
AP French Language & Culture
Spanish I
Spanish II
Spanish III
Spanish IV
AP Spanish Language & Culture

Students are required to purchase workbooks based on course selection.

Courses to be taken in sequence unless permission is granted by teacher, department head and guidance counselor.

American Sign Language I

(5 periods per week for 1 year - 1 Credit)

Introductory American Sign Language class in which students will develop vocabulary and grammatical skills in the context of purposeful real-life communicative interactions. Students will become proficient in such everyday tasks as introducing themselves or a friend, talking about their activities, asking questions and exchanging information, and describing people, places and things. Through reading, discussion, Internet exploration, and video clips, students will develop an understanding of cultural differences.

American Sign Language II

(5 periods per week for 1 year - 1 Credit)

Intermediate level class in which students will expand vocabulary, grammar and the contexts in which they can interact in culturally appropriate ways. Students will accomplish more abstract communicative tasks such as comparing, evaluating, giving and supporting an opinion or hypothesizing. New language functions will be introduced and practiced within the context of real-life situations. Authentic materials, video clips, reading and discussion will continue to broaden awareness of and respect for differences and similarities between cultures.

American Sign Language III

(5 periods per week for 1 year - 1 Credit)

ASL III is an advanced level course in which students will expand their ability to communicate in a variety of settings about an increasing number of topics. Communicative functions will continue to be practiced in meaningful real-life contexts as students acquire greater breadth and depth of vocabulary and grammar. Study of Deaf literature will help students develop a greater appreciation of similarities and differences between Deaf and hearing cultures. It will also expand their understanding of such advanced grammatical features as the use of classifiers, spatial visualization, role play and eye gaze in storytelling and everyday conversation.

American Sign Language IV

(5 periods per week for 1 year - 1 Credit)

ASL IV is an advanced level course in which students will expand their ability to communicate in a variety of settings about an increasing number of topics. Communicative functions will continue to be practiced in meaningful real-life contexts as students acquire greater breadth and dept of vocabulary and grammar. Authentic materials, video clips, reading and discussion will continue to broaden awareness of and respect for differences and similarities between cultures. Topics such as education of the Deaf, poverty, stereotypes, and bias in the media with be covered.

Chinese I

(5 periods per week for 1 year - 1 Credit)

Chinese I is an introduction course to the Chinese language and culture. It is designed to give students the basic foundation of the four language skills: speaking, listening, reading and writing. Students will develop communicative skills in variety of daily settings. Students will be introduced to Chinese customs, holidays and history through different thematic units. Pīnyīn and simplified characters are used in this course. Students are required to purchase one workbook.

Chinese II
(5 periods per week for 1 year - 1 Credit)

Chinese II is an extension of Chinese I. Students will continue to build communicative skills, vocabulary, knowledge of Chinese writing systems and grammatical patterns while studying thematic units. Topics such as sports, food, birthdays, daily routine, home, clothes, shopping and eating are covered. Writing skills will also be enhanced. The study of Chinese customs, holidays and history is also included while learning thematic units. Pīnyīn and simplified characters are used in this course. Students are required to purchase one workbook.

Chinese III
(5 periods per week for 1 year - 1 Credit)

Students of Chinese III will continue to develop language skills in all four areas of communication: listening, speaking, reading and writing. Students will be involved in more complicated communicative exchanges related to daily-life activities. Skills will be developed through cultural themes. Students will read dialogues, simple stories, riddles and narratives. The study of Chinese customs, cultural practices and perspectives and history is also included. Pīnyīn and simplified characters are used in this course. Students are required to purchase one workbook.

Chinese IV
(5 periods per week for 1 year - 1 Credit)

This course serves as a transitional course between Chinese III and Advanced Placement Chinese Language and Culture. Chinese is used almost exclusively to carry out daily activities and discussions. Students will use the language to explore various topics and contemporary issues. Skills will be developed through cultural themes. Students continue to improve their skills in listening and reading comprehension as well as speaking and writing proficiency. The study of Chinese customs, cultural products, practices and perspectives and history is also included while studying different thematic units. Pīnyīn and simplified characters are used in this course. Students are required to purchase one workbook.

AP Chinese Language & Culture
(5 periods per week for 1 year - 1 Credit)

The AP Chinese Language and Culture course is designed to be comparable to the fourth semester or the equivalent of college course in Mandarin Chinese and is offered to students who have successfully completed Chinese IV. This course prepares students to demonstrate their level of Chinese proficiency across the three communicative modes (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities) as outlined in the Standards for Foreign Language Learning in the 21st Century. Its aim is to provide students with opportunities to further develop their proficiencies across the full range of language skills (listening, speaking, reading, writing, and typing) within a cultural frame of reference reflective of the richness of Chinese language and culture. Students will learn strategies to analyze authentic content, both written and oral. This course engages students in various topics based on six broad themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Family and Communities, and Beauty and Aesthetics. In the classes, students are immersed in a Chinese setting and are required to exclusively speak Chinese with the instructor and classmates. Students are required to purchase one workbook.

French I
(5 periods per week for 1 year - 1 Credit)

French I students begin to learn to communicate in French with an emphasis on understanding the conversation of French adolescents and on exchanging information in a variety of daily settings. Oral skills are supplemented by written skills and strategies for reading. Students are also introduced to the contemporary cultures of the diverse French-speaking world. Technology resources extend and enhance learning. Students are required to purchase one workbook and one novel.

French II
(5 periods per week for l year - l Credit)

This course begins with a review of the basic communicative patterns from level one. Students subsequently practice more challenging communicative skills with a focus on narrating past and future events and on describing daily activities in greater detail. Students engage in longer impromptu communicative exchanges and read a wider variety of texts and stories. The cultural focus continues to center on the richness of the French-speaking world. Technology resources extend and enhance learning. Students are required to purchase one workbook.

French III
(5 periods per week for l year - 1 Credit)

The French III course consists of a review of core material from the preceding level followed by a series of practical language-use units. Skills will be developed through a variety of cultural themes and activities. Students will be able to carry out extended conversations and creative writing using a variety of tenses. They will develop stronger reading skills as they study excerpts from famous French literature. Technology resources extend and enhance learning. Students are required to purchase one workbook.

French IV
(5 periods per week for l year - 1 Credit)

French IV serves as a transitional course between French III and Advanced Placement French Language and Culture. French is used exclusively by both teacher and students to carry out daily activities and discussions. The exploration of the language and culture is taught through cultural themes using authentic resources and materials. The more complex structures are reviewed and refined through skill-building activities in the three modes of communication (Interpretive, Interpersonal and Presentational) to prepare students to progress to the AP level. Students are required to purchase one workbook.

AP French Language & Culture

(5 periods per week for l year - 1 Credit)

The AP French class is offered to students who have successfully completed French IV and who wish to pursue college-level studies in French in preparation for the Advanced Placement French Language and Culture exam and for advanced language study. The AP French Language and Culture course continues to engage students in an exploration of cultural products, practices and perspectives of the French-speaking world based on six broad themes: Global Challenges, Science and Technology, Contemporary Life, Personal and Public Identities, Families and Communities, and Beauty and Aesthetics. Course work provides students with opportunities to demonstrate their proficiency in the three modes of communication: Interpretive, Interpersonal, and Presentational. Students are required to purchase one workbook and a novel.

Spanish I

(5 periods per week for l year - l Credit)

Spanish I is an introduction to Spanish language and culture. It is designed to give students the basic foundation of three language skills: interpretive, interpersonal and presentational. Students develop a fundamental vocabulary base, as well as learning basic grammar concepts in order to communicate in a variety of settings. The vocabulary and grammar concepts will be taught through a variety of cultural themes.

Spanish II

(5 periods per week for l year - l Credit)

Students in Spanish II will continue to develop language skills in interpretive, interpersonal and presentational communication. These skills will be developed through a variety of cultural themes. A variety of instructional techniques and authentic sources will be used in order to provide students with many opportunities to learn and practice the language. Spanish II is a class that requires students to listen closely to understand spoken Spanish, to thoughtfully process new information, to practice, to ask questions, and to study on their own outside of class. Frequent, daily participation is required. By the end of level II, students will be able to communicate in a variety of topics in Spanish.

Spanish III

(5 periods per week for l year - l Credit)

This course is considered to be an upper-level course. It contains a review of grammar, vocabulary and expressions from levels I and II with the addition of more advanced concepts. Grammar and vocabulary will be taught through cultural themes. Students will continue to develop interpretive, interpersonal, and presentational skills through a variety of activities and assignments. Spanish is used almost exclusively in the class by both the teacher and the students. Students at this level are expected to be self-motivated and self-directed in their learning. Effort outside of class and during class activities and discussions is essential for success.

Spanish IV

(5 periods per week for l year - l Credit)

Spanish IV serves as a transitional course between Spanish III and Advanced Placement Spanish Language and Culture. Spanish is used exclusively by both teacher and students to carry out daily activities and discussions. The exploration of the language and culture is taught through cultural themes using authentic resources and materials. The more complex structures are reviewed and refined through skill-building activities in the three modes of communication (Interpretive, Interpersonal and Presentational) to prepare students to progress to the AP level.

AP Spanish Language & Culture

(5 periods per week for 1 year - 1 Credit)

The AP Spanish course is offered to students who have successfully completed Spanish IV and who wish to pursue college-level studies in Spanish in preparation for the Advanced Placement Spanish Language and Culture exam. Students are required to exclusively speak Spanish with the instructor and classmates. The course continues to engage students in an exploration of cultural products, practices, and perspectives of the Spanish- speaking world based on six broad themes: Global Challenges, Science and Technology, Contemporary Life, Public and Personal Identities, Families and Communities, Beauty and Aesthetics. Coursework provides students with opportunities to demonstrate their proficiency in the three modes of communication: Interpretive, Interpersonal, and Presentational.

COURSE PLANNER

Please refer to the graduation and diploma requirements listed on pages 3-6. Physical Education, Health, and Economics (1 semester) graduation requirements can be taken during any high school year.

NINTH GRADE

Periods	Course Title	Sem.	Credit
1 _____	English	_____	1
2 _____	Biology	_____	1
3 _____	_____	_____	_____
4A/B _____	_____	_____	_____
4C _____	Lunch	_____	_____
5A/B _____	_____	_____	_____
6 _____	Mathematics	_____	1
7 _____	World History	_____	1
		Total Credits	_____

TENTH GRADE

Periods	Course Title	Sem.	Credit
1 _____	English	_____	1
2 _____	U.S. History	_____	1
3 _____	_____	_____	_____
4A/B _____	_____	_____	_____
4C _____	Lunch	_____	_____
5A/B _____	_____	_____	_____
6 _____	Mathematics	_____	1
7 _____	Science	_____	1
		Total Credits	_____

COURSE PLANNER

Please refer to the graduation and diploma requirements listed on pages 3-6. Physical Education, Health, and Economics (1 semester) graduation requirements can be taken during any high school year.

ELEVENTH GRADE

Periods	Course Title	Sem.	Credit
1 _____	English	_____	1
2 _____	U.S. Government	_____	1/2 -1
3 _____	Science	_____	1
4A/B _____	_____	_____	_____
4C _____	Lunch	_____	_____
5A/B _____	_____	_____	_____
6 _____	Mathematics	_____	1
7 _____	_____	_____	_____
		Total Credits	_____

TWELFTH GRADE

Periods	Course Title	Sem.	Credit
1 _____	English	_____	1
2 _____	_____	_____	_____
3 _____	_____	_____	_____
4A/B _____	_____	_____	_____
4C _____	Lunch	_____	_____
5A/B _____	_____	_____	_____
6 _____	Mathematics	_____	1
7 _____	_____	_____	_____
		Total Credits	_____