



**2015**  
**2016**

**Carlisle High School**

**P**rogram  
of  
**S**tudies

A large, stylized red logo. It features a feather on the left side, a large letter 'C' in the center, and a large letter 'S' on the right side. The 'C' and 'S' are outlined in red and filled with a lighter shade of red. The feather is also outlined in red and filled with a lighter shade of red.

Carlisle High School  
A Recognized School of Excellence  
[www.carlisleindians.com](http://www.carlisleindians.com)

## **Welcome Parents & Students**

I would like to be the first to welcome you to Carlisle High School. This handbook is designed to help students plan their high school course of study. We have made several changes to our current programs and requirements, and I hope that these changes will encourage all students to take advantage of every opportunity offered at CHS. Carlisle High School has the highest rating given by the Ohio Department of Education with a faculty that is very caring, experienced and nurturing. I hope you will use this handbook as a guide to help you throughout your high school career. Welcome and Good Luck!

Brad Potter, M.Ed.

Principal

## **CARLISLE LOCAL SCHOOLS**

### **MISSION STATEMENT**

In partnership with the family and community, the Carlisle Local School District mission is to prepare all students for a successful future by providing quality educational experiences in a positive and innovative learning environment.

### **VISION STATEMENT**

All students will be provided the highest possible quality education in a safe, nurturing, and caring environment, where staff will demonstrate a deep and abiding respect for everyone. We will display a passion for **excellence** in all we do.

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## Seven Pillars of Excellence

### SEVEN PILLARS OF EXCELLENCE

1. We will bring dignity and respect to the craft of teaching and school leadership.
2. We will improve student achievement by aligning Common Core strategies, implementing curriculum with technology, and offering electives that are integral to setting the stage for success.
3. We will provide the example, leadership, information, and training to help each student function in an honest, moral, and ethical manner in their family, community, and society.
4. We will engage parents in every aspect of school life and ensure they are knowledgeable themselves about their child's education and will be able to guide their children to success.
5. We will create collaborative and innovative models by involving stakeholders that would provide invaluable assistance to the school and the students.
6. We will teach and demonstrate respect, an appreciation for differences, honesty, a strong work ethic and expect everyone to contribute.
7. We will provide a safe, clean, and attractive environment where learning is an enjoyable, desirable, and eagerly pursued activity.

## GRADUATION REQUIREMENTS

### DIPLOMA REQUIREMENTS

English	4
Math	4 (must include Algebra II)
Science	3 (must include 1 unit of physical sciences, 1 unit of life sciences and 1 unit of advanced study in one or more of the following sciences: chemistry, physics, or Anatomy/Physiology)
Social Studies	3 (must include American History and Govt.)
Health	1/2
Physical Ed.	1/2 (1/4 + 1/4)
Electives*	7
<b>TOTAL</b>	<b>22 UNITS OF CREDIT</b>

\*\* A minimum of 7/8 credits in electives which must include a minimum of 1 unit in the area of Business Technology, Fine Arts or Foreign Language

NOTE: Passing a required course will be based on the total percentage average for the year. Students must meet all requirements in addition to passing the ODE State testing requirements in order to participate in graduation ceremonies.

### HONORS DIPLOMA REQUIREMENTS

\*\* The student who completes the high school Academic Pathway for an Honors Diploma, must meet at least seven of the following eight criteria:

English	4
Math	4 (must include Algebra I, Geometry, Algebra II & another higher level course.)
Science	4 (must include 1 unit of Chemistry and 1 unit of Physics)
Social Studies	4
World Language	3 (3 units of the same language or 2 units of two different languages.)
Fine Arts	1
Health & PE	1/2 & 1/2 in each
GPA & ACT/SAT	Must have a minimum un-weighted GPA of 3.5 through final grading period of senior year. Also, you must have a compo site of 27 on the ACT or combined score of 1210 on the SAT verbal and mathematics sections.

*The Carlisle Local School District grading scale for all 9th graders is as follows:*

			Honors	AP/CC+
93-100	A	4.0	4.5	5.0
92-90	A-	3.7	4.2	4.7
89-87	B+	3.3	3.8	4.3
86-84	B	3.0	3.5	4.0
83-80	B-	2.7	3.2	3.7
79-77	C+	2.3	2.8	3.3
76-74	C	2.0	2.5	3.0
72-70	C-	1.7	2.2	2.7
69-67	D+	1.3	1.8	2.3
66-63	D	1.0	1.5	2.0
62-60	D-	.7	1.2	1.7
59-0	F	0	0	0

*The Carlisle Local School District grading scale for all 9th graders is as follows:*

			AP/CC+
100% - 91%	A	4	5
90% - 83%	B	3	4
82% - 75%	C	2	3
74% - 67%	D	1	2
66% >	F	0	0

The individual teacher is given the responsibility of determining each student's 9 weeks' grade and semester average. Students should not hesitate to confer with teachers concerning progress they are making in class. Students and parents should be aware of all 5.00 classes. A student could have straight A's, but if they did not take any 5.00 classes, they might not graduate with honors.

5.00 Point GPA Courses are as follows: Advanced Placement Courses, Dual Enrollment Courses, Physics, Honors Chemistry, French IV, Spanish IV. 4.50 Point GPA Course are as follows: Honors Geometry, Pre-Calculus, Honors Physical Science, Honors English, Honors Social Studies.

\* Graduate with Highest Distinction will be based on their grade point average at the end of the 7th semester of their academic career.

#### **CLASS STANDING**

During the first semester of a student's senior year in high school, his/her grade point average and class ranking is computed. The purpose of the GPA and rank is for college entrance and employment. Each college has its own requirements for accepting incoming freshmen. Some colleges require students to be in the top 10% of their class, while others will accept students with a lower class ranking. Other colleges will differ concerning the GPA they require for admittance. Many employers will consider grade point average and class rank before hiring an applicant. The top 5% of the senior class will be honored as "Graduates of Distinction" at graduation ceremonies. The top 2% of the graduating seniors will be honored as "Graduates with Highest Distinction". Their selection will be based on their grade point average at the end of the 7<sup>th</sup> semester of their high school academic career.

#### **SCHEDULE CHANGES**

Students shouldn't be taken from the class unless he or she is academically misplaced. If a student remains in a class long enough to get a 9 week grade, that grade will show on the students records – withdraw failing (W/F) or withdraw passing (W/P). If he remains after the 2<sup>nd</sup> 9 weeks begins, he should get a final grade for the class. Athletes should be reminded that 2 F's would make them ineligible for the next nine weeks. Eligibility is based on 9-week grades. Athletes must have at least 5 major classes per semester, including students attending vocational schools and college. **Student and parents must meet with principal prior to any schedule changes. Principal must approve the change.**

#### **OHIO GRADUATION TEST**

All Juniors and Seniors will be required to take the OGT if they did not pass their sophomore year. The OGT is administered in March of the sophomore year and given in the summer, fall, and spring of their junior and senior year. All Juniors and Seniors will be required to pass writing, reading, math, social studies and science. The class of 2018 will be the last class required to take the OGT.

#### **End of Course Exams and Performance Based Assessments**

Freshmen and Sophomores will be required to take a Performance Based Assessment (PBA) and End of Course Exam (EOC) in the following courses: English 9, English 10, Algebra I, Geometry, Biology, American History and Government. Algebra II may be included in the near future.

#### **STUDENT LOAD**

Each student is required to carry a minimum six (6/7) credits each year, regardless of the number of credits already accumulated. In our 7 period day, students are required to fill 7 periods. **Juniors & Seniors may have no more than 1 study hall per day. No Study Hall for 9th or 10th Graders.**

#### **STUDY HALL**

- Students will be engaged in learning for the entire period.
- Students will have the option to compete an online elective course.
- Students are to be focused on assignments for classes or preparing for assessments.
- The minimal a student will be doing is reading.
- Absolutely no talking or sleeping is allowed during study hall.
- Students will not be going to the media center during study hall for any reason.
- Students wishing to be a student assistant for a teacher during their study hall period must have all paperwork completed within the first 10 days of the semester. \*Students must maintain an average of 70% or better in all courses in order to be a student assistant.

## COURSE LEVELS

### CHS HONORS TRACK

**Honors Courses** – challenge the student to go beyond the content and work required in the college preparatory courses. These courses are exceptional preparation for the talented student working toward a college or university career. These courses have specific requirements which are listed under course descriptions and are weighted.

**Advanced Placement Courses** – The Advanced Placement (AP) Program is a national program for college level courses and examinations for secondary school students. Over 90% of college and university Advanced Placement candidates are given college credit and/or advanced placement when AP exams results are considered acceptable. There is a charge of \$91 for each exam.

*Additional weighted credit is given for courses designated as Honors or AP.*

### CHS CAREER AND COLLEGE READINESS TRACK

**College Preparatory Courses** – College prep courses are the standard high school courses that all students follow and provide a well-balanced program for a wide variety of life pursuits.

**College Credit Plus** (CC+) – an option for students who are enrolled in qualified and selected courses. Carlisle Local Schools will be partnering with local universities to enable students who are enrolled in these selected courses to also be enrolled in similar courses through each university. They will receive a grade and credit for the course at CHS *and* a grade and credit through the designated university. Parents and students must attend the College Credit Plus meeting in mid-February/March offered by the high school in order to participate in this program. This program is available for students grades 9-12. All students who participate **MUST** take at least the equivalent of five Carnegie units (5 high school credits) throughout the entire year. Any student wanting to participate in CC+ classes at CHS must take the ACT by Spring of Sophomore year. *College Credit Plus courses are weighted the same as AP classes within that department and all materials and textbooks must be returned to CHS no later than 5 days after the last day of class.*

**Resource Classes** – courses designed for students who are on an Individualized Educational Plan (IEP). These courses may be given a grade of Pass/Fail.

**Credit Flexibility/Educational Option**—The board recognizes that an effective educational program is one that provides opportunities for students to customize aspects of their learning around their respective needs and interests. Credit flexibility is one method to motivate and increase student learning by allowing access to more resources, customization around individual student needs and the use of multiple measures of learning. For identified gifted students, the Educational Option policy is another way of allowing this customization. A copy of both guidelines and application processes may be obtained in the high school office.

### SUMMER SCHOOL

Summer school is recommended for any student who fails a course that is required for graduation or who falls behind in the number of credits accumulated. All summer school work taken must be approved in advance by the principal or his designee. No more than 2 credits per summer term will be accepted. Summer courses cannot be taken for credit for advancement unless prior approval is given by the principal.

### SCHEDULE SELECTION CONSIDERATIONS

1. Advanced study beyond the state requirements is highly recommended and is a pre-requisite to certain college programs, e.g. engineering, nursing, pre-med., business management, pre-law, etc.
2. **Four (4) credits of English are required by the State of Ohio to graduate.** Students planning to study communications or journalism should acquire more than four credits if possible and should consider taking digital design/yearbook and the writing center.
3. **Four (4) credits of Mathematics are required by the State of Ohio to graduate.** All students will complete Algebra II.
4. **Three (3) credits of Science are required by the State of Ohio to graduate.** Must include 1 unit of physical sciences, 1 unit of life sciences and 1 unit advanced study in one or more of the following sciences: chemistry, physics, or anatomy/physiology.
5. **Three (3) credits of social studies are required by the State of Ohio to graduate.** World Studies, American History and Government are required. Students planning to study law or political science should take psychology.
6. **Three (3) years of one Foreign Language or (2) years each of two Foreign Languages is recommended** for students who have average proficiency in English and plan to enter college. Many Ohio colleges are recommending a minimum of three years of a foreign language study for unconditional acceptance.
7. It is highly recommended that students complete one (1) credit of fine arts. Two (2) or more credits are recommended if the student is planning to be a fine arts major in college.

### CREDITS EARNED IN MIDDLE SCHOOL

High school coursework completed in the middle school level will count toward minimum graduation requirements if:

1. The course is taught by a teacher that is licensed or certified for teaching the course in the high school.
2. The course meets the high school curriculum requirements as designated by the Board of Education.
3. All high school courses completed at the middle school or high school for high school credit **DO NOT** count in the student's GPA or class rank. Students will be required to take End of Course assessments, which will go toward graduation requirements.

### REPEATING A COURSE

A student may re-take a course if the student feels that it would benefit them to repeat the content. However, the original grade along with the new grade will be calculated in the students GPA. Only one credit will be awarded regardless of how many times a student takes the course. (some elective courses are exempt and can receive additional credit)

### WEIGHTING OF COURSES

The new course weighting guidelines will take effect during the 2015-16 school year. It will only apply to the incoming Freshmen class (Class of 2019). Students that entered High School prior to 2015-16 school year will be on the weighting policy that was used when they first entered High School. For weighting information, please see your Guidance Counselor.

**EARLY GRADUATION**

*Definition:* Early graduation is defined to mean that a student is permitted to earn and receive a high school diploma at the end of the 11<sup>th</sup> year rather than the customary four years between the ninth and twelfth grades. In order to request early graduation the following must be met:

*Requirements:* The student's schedule for his eleventh year must be approved by the guidance office, along with credits already received (or in the process of being received) and make a referral to the principal. Upon referral, the student's principal (or his/her designee) shall convene an acceleration evaluation committee to determine the appropriateness of early high school graduation for the student. The committee shall include the following:

- a parent/legal guardian of the referred student
- a gifted education coordinator or gifted intervention specialist, or, if neither is available, a school psychologist or guidance counselor with expertise in early high school graduation
- a principal or assistant principal from the student's current school
- a current teacher of the referred student

Students referred for early high school graduation shall be evaluated based on past academic performance, measures of achievement based on State academic content standards, and successful completion of State mandated graduation requirements. The acceleration evaluation committee will consider the student's own thoughts on possible accelerated placement in its deliberations. The acceleration evaluation committee shall issue a written decision on the outcome of the evaluation process to the principal and the student's parent/guardian. This notification shall include instructions for appealing the decision.

**COLLEGE ENTRANCE TESTS (ACT/SAT)**

College entrance tests are given several times a year according to dates and test centers established by the testing company. Students can pick up ACT/SAT testing information in the main office. A typical program for college bound students is as follows:

**PSAT**—CHS administers the PSAT to students who are interested in the fall.

**ACT—What is the ACT?**

The ACT is a national college admissions examination that consists of subject area tests in: English, Mathematics, Reading and Science.

**When Should I take the ACT?**

First Time—Spring of Sophomore Year or Fall of Junior Year. *You must take it in Spring of Sophomore year if you plan to participate in Dual Enrollment classes at CHS.*

**SCORING** - Your Composite score and each test score (English, Mathematics, Reading, Science) range from 1 (low) to 36 (high). The Composite Score is the average of your four test scores, rounded to the nearest whole number. Fractions less than one-half are rounded down; fractions one-half or more are rounded up.

**For More Information on Registration, Test Prep, Scores, College Planning, Financial Aid, Career Planning, Student Blogs and FAQs go to : [www.actstudent.org/index.html](http://www.actstudent.org/index.html)**

**SAT – What is the SAT?**

The SAT is a national college admissions examination that consists of subject area tests in: Reading, Mathematics and Writing.

**When Should I take the SAT?**

First Time—Spring of Sophomore Year or Fall of Junior Year.

**SCORING** - Each section of your SAT (critical reading, mathematics and writing) will be scored on a 200- to 800-point scale, for a possible total of 2400. You'll also get two "sub scores" on the writing section: a multiple-choice score from 20 to 80, and an essay score from 2 to 12.

## English

### CHS Honors Track

Freshmen	Sophomore	Junior	Senior
Honors English 9	Honors English 10	Honors English 11	AP English Or Honors English 12 (CC+ option)

### CHS College & Career Readiness Track

Freshmen	Sophomore	Junior	Senior
English 9	English 10	English 11	English 12 Or Honors English 12 (CC+ option)

## ENGLISH COURSE OFFERINGS

### English 9

(length: full year; credit: 1.0; prerequisite: none)

Students taking English 9 are exposed to a curriculum centered on grammar, literature, vocabulary, and four types of writing: narrative, expository, descriptive and argumentative. Course work is aligned with department and state standards, and instruction correlates to the levels of Bloom's taxonomy. Literature is the driving force of College Prep English 9. Literary elements, vocabulary and writing assignments will be derived from a variety of literature sources and/or student responses to literature.

### Honors English 9—Honors Track—(Weighted Course)

(grade 9; length: full year; credit: 1.0; prerequisite: See Student Placement into Advanced Section)

Students taking Honors English 9 are exposed to a challenging curriculum which will study the following at an accelerated pace: grammar, literature, vocabulary, and four types of writing: narrative, expository, descriptive and argumentative. Course work is aligned with department and state standards, and instruction correlates to the levels of Bloom's taxonomy. Literature is the driving force of Honors English 9. Literary elements, vocabulary and writing assignments will be derived from a variety of literature sources and/or student analysis of literature.

### English 10

(grade 10; length: full year; credit: 1.0; prerequisite: English 9)

English 10 has an emphasis on reviewing and extending content and skills developed in previous English courses, while preparing students for the kind of critical thinking, written and verbal expression, and reading strategies that are continued in later years.

**Honors English 10—Honors Track—(Weighted Course)**

*(grade 10; length: full year; credit: 1.0; prerequisite: English 9; See Student Placement into Advanced Section)*

Honors English 10 is designed to meet the same objectives as the College Prep course but utilizes more challenging writing assignments and reading materials in order to cover content and skills in greater depth. Expectations for this course are considerably higher in evaluation as well as student productivity and class participation.

**English 11**

*(grade 11; length: full year; credit: 1.0; prerequisite: English 10)*

English 11 is a college-prep course designed to address the writing, reading, listening and speaking skills of every student. After regular practice, students will compile a portfolio showing their progress throughout the semester. This class will also provide frequent vocabulary exercises, ACT and SAT test prep.

**Honors English 11—Honors Track—(Weighted Course)**

*(grade 11; length: full year; credit: 1.0; prerequisite: English 10; See Student Placement into Advanced Section)*

Honors English 11 is designed to prepare students for the challenges of Honors English 12 or AP English. Expect to work primarily on developing literary analysis skills, both in discussions and frequent writing exercises. Readings will mostly stem from nineteenth and twentieth century authors, covering a variety of genres. This literature may be challenging to many; students taking this course should make a commitment to hard work. Due to the discussion-oriented nature of this course, students will also be expected to prepare outside of class and to contribute in a meaningful way and on a regular basis. This class will also dedicate time toward building vocabulary and ACT/SAT prep.

**English 12**

*(grade 12; length: full year; credit: 1.0; prerequisite: English 11)*

This college preparatory course focuses on the skills needed to become successful readers and writers. Designed for college-bound students, a wide variety of rhetorical readings and writings will be explored, using professional and student models for study. Reading genres range from short fiction and the epic to nonfiction and opinion. Writing genres include any/all of the following: process, cause and effect, comparison-contrast, classification-division, definition, argumentation, research, opinion/persuasion, speech-debate, personal experience, critical analysis and the creative. Vocabulary, grammar/usage, and mechanics are also imbedded within each unit of study.

**Honors English 12 (College Credit Plus)—Honors Track—(Weighted Course)**

*(grade 12; length: full year; credit: 1.0; prerequisite: English 11; See Student Placement into Advanced Section \*\* Student earns 6 semester hours from Cincinnati State.)*

*English 101* This course is Freshmen composition as offered through Cincinnati State University. An introduction to college writing, this class will focus on understanding the writing process, developing a strong thesis, providing sufficient evidence for claims, and writing essays with grammatical, mechanical and stylistic correctness. Topics include: prewriting, drafting, revising, editing, identifying audiences, and conducting research.

*English 102* This course is a continuation of English 101. Topics include: further development and expansion of writing skills that were introduced in 101 with an emphasis on critical reading, reasoning, and argumentation; the research process and the research paper; advanced practice of the principles of good writing, emphasizing reading and responding critically to policy driven research.

**AP English Literature and Composition—Honors Track—(Weighted Course)**

*(grade 12; length: full year; credit: 1.0; prerequisite: See Student Placement into Advanced Section)*

This college-equivalent class provides an opportunity for interested and competent students to do higher level, more challenging work. This course is an in-depth study of world literature, arranged by genres, with an emphasis on the classics. Independent critical analysis, skills in reading attentively, and competency in writing are three major objectives. In May, students are expected to take the College Board Exam to determine college-level achievement.\* The results of the exam are reported to the student's college of choice, as participating colleges and universities then recognize qualifying rank on the test by granting credit and/or placing the student into more advanced courses. It is strongly recommended that the student taking this course shall have completed Honors English 11 prior to this class.

\*The AP Exam cost is \$91 and must be paid by the student.

**English Elective**

**Speech and Communications** *(grade 11-12; length: full year; credit: 1.0; prerequisite: none)* This is a multi-faceted communications course. Topics will include journalism, advertising, public relations, public speaking, and mass media communications, including radio, television and film. Coursework will include small group projects and presentations including individual projects in radio and television production, film, and music recordings.

**Student Placement into Advanced Sections**  
**High School English Department**

- \* Students moving from one advanced class into another (i.e. English 9A into English 10A) must have received a B- or better as a final grade in the previous class. A grade of C+ or less would result in students being dropped into the lower tract.
- \* Students that wish to move up into an advanced section (i.e. English 9 into English 10A) must have received an A- or better as a final grade in their previous class. A grade of B+ or less would prohibit students from making this jump.
- \* All advanced sections of English in the high school require a summer reading assignment. Students that do not complete this assignment prior to the due date (typically the first day of school) would remain in the advanced class but would receive a zero for the assignment. Summer assignments typically account for 25-30% of the first quarter grade.
- \* Students wishing to enroll into **Honors English 12 (CC+ option)** (Cincinnati State dual-enrollment) would need to meet the above requirements **or** achieve the ACT indicator score for the Reading or English sections.
- \* Students identified as gifted in ELA will automatically be enrolled in Honors courses. Parents and student will have to meet with Department Chair and Principal to opt out of class and be placed in our College Prep English.

# Mathematics

## CHS Honors Track

Freshmen	Sophomore	Junior	Senior
Honors Geometry	Honors Algebra II	Pre-Calculus	Trigonometry/ Calculus (CC+ Course)

## CHS College & Career Readiness Track

Freshmen	Sophomore	Junior	Senior
Algebra I	Geometry	Algebra II	College Algebra/Stats (CC+ option) Pre Calculus Money Management

### MATHEMATICS COURSE OFFERINGS

\*Homework will be assigned nightly.

\*Some assignments will be in class and some will be online.

\*Students will need to have access to a technology device such as laptop, tablet, or smartphone.

\*Completion of summer assignment is required for all Honors math courses.

#### Algebra I

(Grade 9; length: full year; credit: 1.0; prerequisite: none)

This course emphasizes various ways that patterns and real world phenomena can be described. This includes graphical, numerical, and symbolic representations. Students will use equations, inequalities and functions to represent observed patterns. They will solve equations and inequalities using multiple representations, will produce and examine graphs, and will study the real number system. This class will include the following topics: (1) linear equations and inequalities, (2) relations & functions, (3) polynomials, (4) data analysis, and (5) nonlinear equations. Students will be working on the eight standards for Mathematical Practice found in the Common Core State Standard for Mathematics. **TI-84 graphing calculators are required and will be used frequently in class.**

#### Geometry

(Grade 10; length: full year; credit: 1.0; prerequisite: Algebra I)

This course highlights geometric figures (their relationships - both logically and quantitatively) and applications to lines, angles, and polygons. Also included is an introduction to coordinate geometry, similarity, constructions, and trigonometry. An emphasis will be placed on logic and reasoning.

#### Honors Geometry—Honors Track—(Weighted Course)

(Grades 9/10; length: full year; credit: 1.0; prerequisite: B or better in Honors Algebra, or teacher recommendation.)

This course highlights geometric figures (their relationships - both logically and quantitatively) and applications to lines, angles, and polygons. Also included is an introduction to coordinate geometry, similarity, constructions, and trigonometry. This course will have an emphasis on proof.

**Algebra II**

*(Grade 11; length: full year; credit: 1.0; prerequisite: Algebra I and Geometry)*

Algebra II is a course that expands on the topics of Algebra I and provides further development of the concept of a function. Topics include: (1) relations, functions, equations and inequalities; (2) conic sections; (3) polynomials; (4) data analysis; (5) logarithmic and exponential functions; (6) sequences and series; and (7) counting principles and probability.

Topics from the ACT are also covered. Students will also be working on the eight standards for Mathematical Practice found in the Common Core State Standard for Mathematics. **TI-84 graphing calculators are required and will be used frequently in class.**

**Honors Algebra II—Honors Track—(Weighted Course)**

*(Grades 10/11; length: full year; credit: 1.0; prerequisite: B or better in Honors Algebra I and Honors Geometry; or teacher recommendation.)*

This is the accelerated Algebra II course. Most of the topics are the same as those found in Algebra II, but are covered more rapidly and in greater depth. Additionally, introductory trigonometry will be included. Emphasis is on problem solving and developing higher level thinking skills. **TI-84 graphing calculators are required and will be used frequently in class.**

**Pre-Calculus**

*(Grades 11/12; length: full year; credit: 1.0; prerequisite: C or better in Algebra II )*

This course is designed for students who intend to prepare for the ACT and attend a 4-year university. This course reviews and extends the concepts studied in Algebra II. Students will study more advanced topics including trigonometry, polynomial functions, exponential and logarithmic functions, sequenced and series, rational functions, and their graphs. Students will also be working on the eight standards for Mathematical Practice found in the Common Core State Standard for Mathematics. This course will also prepare students to take Calculus. **TI-84 graphing calculators are required and will be used frequently in class.**

**Calculus (College Credit Plus-MAT 251)—Honors Track—(Weighted Course)**

*(Grades 11/12; length: semester; credit: 1.5; prerequisite: Teacher recommendation; successful completion of Trigonometry/College Algebra, OR a math sub-score of 28 on the ACT )*

This class is a second-semester College Credit Plus course. The course must be completed following Cincinnati State's MAT 251 (5hrs) curriculum, but is instructed by a Carlisle High School teacher on CHS campus. It is a foundation calculus course. Topics include: The library of functions, analysis of functions with limits, derivatives and the derivative function, interpretations of the derivative, the second derivative, rules of differentiation, implicit differentiation, applications of the derivative, anti-derivatives, and an introduction to integral calculus.

**TI-84 graphing calculators are required and will be used frequently in class.**

**Trigonometry (College Credit Plus-MAT 152)—Honors Track—(Weighted Course)**

*(Grades 11/12; length: semester; credit: 1.0; prerequisite: Teacher recommendation; successful completion of Pre-Calculus with a C or higher, or a math sub-score of 26 on ACT)*

This class is a first-semester College Credit Plus course. The course must be completed following Cincinnati State's MAT 152 (4hrs) curriculum, but is instructed by a Carlisle High School teacher on CHS campus. It is a course on concepts and applications of trigonometry. Topics include: right triangle and unit circle definitions of the trigonometric functions, trigonometric identities, vectors, and complex numbers. **TI-84 graphing calculators are required and will be used frequently in class.**

**Statistics** (Grade 12; length: semester; credit: 0.5; prerequisite: Algebra II)

This class is a half year course created to help prepare seniors to effectively handle entry-level mathematics in college along with expanding their knowledge of elementary statistics. Students with serious commitment and effort can gain the preparation necessary for college level mathematics. The objective of this course is to present pre-college mathematics to students who need additional work in that area. This course will expand students' knowledge on statistics, explore methods of graphing statistics, design surveys and studies and decide upon sampling methods, and will receive an introduction to statistical inference. Students intending to pursue a 4 year college degree will benefit from this course. **TI-84 graphing calculators are required and will be used frequently in class.**

**College Algebra (College Credit Plus-MAT 151)—(Weighted Course)**

(Grade 12; length: semester; credit: 1.0; prerequisite: Teacher recommendation; successful completion of Algebra II with a minimum of a B average, OR a math sub-score of 22 on the ACT.)

This class is a second-semester College Credit Plus course. The course must be completed following Cincinnati State's MAT 151 (4hrs) curriculum, but is instructed by a Carlisle High School teacher on CHS campus. A course on concepts and applications of algebra. Topics include: representing linear, exponential, logarithmic, power, polynomial, and rational functions numerically, graphically, and algebraically. **TI-84 graphing calculators are required and will be used frequently in class.**

**College Math** (Grade 12; length: semester; credit: 0.5; prerequisite: Teacher recommendation; successful completion of Algebra II with a C or higher)

This class is a first-semester course. This course uses concepts and applications of algebra. Topics include: representing linear, power, polynomial, and rational functions numerically, graphically, and algebraically. **TI-84 graphing calculators are required and will be used frequently in class.**

**Money Management 1** (Grade 12; length: semester; credit: 0.5; prerequisite: Teacher recommendation or 3 Math credits.)

This course involves the mathematics that one uses on an everyday basis. It includes units on managing a household, earning money, shopping, buying and maintain a car, food budgets. Students will learn how to make major purchases such as buying a home, buying a car, and obtaining life and health insurance. Real world math is geared toward the student who initially does not plan to attend college but wants a solid foundation in the real-life applications of mathematics. **\*\* This course does not qualify as a NCAA core course and cannot be used for NCAA initial-eligibility certification.**

**Money Management 1** (Grade 12; length: semester; credit: 0.5; prerequisite: Teacher recommendation or 3 Math credits.)

This course involves the mathematics that one uses on an everyday basis. It includes units on banking, transportation, investments, housing, and budgeting, and taxes. Students will learn how to make major purchases such as buying a home, buying a car, and obtaining life and health insurance. Real world math is geared toward the student who initially does not plan to attend college but wants a solid foundation in the real-life applications of mathematics. **\*\* This course does not qualify as a NCAA core course and cannot be used for NCAA initial-eligibility certification.**

# Science

## CHS Honors Track

Freshmen	Sophomore	Junior	Senior
Honors Biology	Chemistry I*	Chemistry II	Physics*

## CHS College & Career Readiness Track

Freshmen	Sophomore	Junior	Senior
Physical Science	Biology	Chemistry* Environmental Science	Anatomy/Physiology Physics* Material Science

\* Physics and Chemistry required for Honors Diploma (Can be either Honors or CP)

## SCIENCE COURSE OFFERINGS

### Physical Science

(Grade 9; length: full year; credit: 1.0; prerequisite: none)

This course is designed to present and work with the fundamental concepts of chemistry and physics. Demonstrations and lab experiments will supplement class material and serve as an introduction to concepts and skills necessary in future science courses.

### Biology

(Grade 10; length: full year; credit: 1.0; prerequisite: Physical Science)

Biology is a course in life science. Areas of study include: ecology, structure, function, reproduction of the cell, photosynthesis and cellular respiration, homeostasis, heredity, changes through time and classification. Students will become familiar with the nature of science as well as its tools and methods. Related labs, research, hands-on activities, and scientific methodologies are an important part of this class.

### Honors Biology — Honors Track — (Weighted Course)

(Grade 10; length: full year; credit: 1.0; prerequisite: Pass entrance exam; 90% overall high school attendance; grade of B or better in Geometry and Honors Physical Science.)

A course on the chemistry of life. Topics include: cellular structure and function; characteristics of life; theory of evolution; understanding DNA and its role in heredity, regulation of biological systems, bioenergetics and biochemical pathways; and current developments in biotechnology.

**Environmental Science**

*(Grade 11; length: full year; credit: 1.0; prerequisite: Physical Science and Biology)*

This course serves as an introduction to environmental science. Specifically, this course examines the risks associated with growth in a developing world; environmental impact of population growth on natural resources; mineral and resource extraction; water resource uses; and renewable and non-renewable sources for power generation. Principles of physics, chemistry and biology are incorporated throughout the course.

**Materials Science and Investigative Studies**

*(Grade 11/12; length: full year; credit: 1.0; prerequisite: Physical Science and Biology)*

This course is a laboratory science course that enables students to apply and expand previous science content knowledge by engaging in open-ended, student-centered investigations. The fundamental relationships between the structure, properties, processing and performance of materials will be studied in order to understand how we can synthesize new materials, develop improved processes for making materials and understand the role of materials in the changing environment of tomorrow. The course will also concentrate on bridging science based inquiry and the criminal justice system while integrating basic concepts in biology, chemistry and physics. Group projects will be completed throughout the year so additional supplies (purchased by the student) will be necessary. **Note: Students will NOT be permitted to take this course if they have already taken Chemistry or Physics.**

**Human Anatomy and Physiology**

*(Grade 11/12; length: full year; credit: 1.0; prerequisite: Biology plus one additional science credit.)*

This course is designed to give students a good background in the structure and function of the human body. The course is taught so those students may learn not only body parts and functions, but also the chemistry which regulates them. Students who are especially interested in the fields of medicine, nursing, medical technology, and other health careers or life science careers will find human Anatomy and Physiology especially helpful.

**General Chemistry**

*(Grade 11; length: full year; credit: 1.0; prerequisite: Grade of C or better in Biology and Geometry.)*

This course is designed for students who have a strong foundation in mathematics and is intended to introduce students to principles, concepts, and methods of chemistry. The subject matter deals with the composition of materials and their reactions. There will be an introduction to the Periodic Table of Elements, dimensional analysis, stoichiometry, acid-base reactions, and much more. Students will perform several laboratory experiments to reinforce all topics studied. This course is recommended for the college bound student.

**Chemistry I—Honors Track—(Weighted Course)**

*(grade 10; length: full year; credit: 1.0; prerequisite: 90% overall high school attendance: grade of B or better in Biology and Algebra II.)*

This rigorous, fast-paced course deals with the composition of materials and their reactions, stoichiometry, acid-base reactions, solutions, equilibrium, kinetics, thermodynamics, and oxidation-reduction. Organic chemistry and nuclear chemistry are also briefly introduced. Students will be exposed to laboratory experiences similar to a first-year college course. This course is recommended for students who wish to enter the field of chemistry, chemical engineering, or any other health-related field.

**Chemistry II—Honors Track—(Weighted Course)**

*(grade 11; length: full year; credit: 1.0; prerequisite: 90% overall high school attendance; grade of B or better in Honors Chemistry)*

This rigorous, fast-paced course further develops the concepts of chemical bonding in order to appreciate the size, shape, polarity and macroscopic behavior of molecules. The processes of oxidation-reduction will be explained, particularly as they apply to biological systems. Solution chemistry will be introduced, stressing the concepts of equilibria and colligative properties. Acid/base chemistry, including titrimetry, buffers, and pH will be studied. Nuclear chemistry in the evolution of matter will be briefly considered.

**Physics—Honors Track—(Weighted Course)**

*(grade 12; length: full year; credit: 1.0; prerequisite: 90% overall high school attendance; grade of C or better in Honors Chemistry or grade of B or better in General Chemistry; grade of B or better in Algebra II.)*

This course is designed for students with a strong emphasis in mathematics. The relationships between matter and energy and how they interact will be explored. Topics include motion, vectors, forces, work, energy, momentum, circular motion, gravitation, waves, light, electricity, and magnetism. Group projects will be completed throughout the year so **additional supplies (purchased by the student) will be necessary.**

# Social Studies

## CHS Honors Track

Freshmen	Sophomore	Junior	Senior
Honors World Studies	Honors American History	AP US History	AP Government* Psychology

## CHS College & Career Readiness Track

Freshmen	Sophomore	Junior	Senior
World Studies	American History*	Government	Psychology

\* Required for Honors Diploma (Can be either AP US History or American History)

### SOCIAL STUDIES COURSE OFFERINGS

**World Studies**

*(grade 9; length: full year; credit: 1.0; prerequisite: none)*

This course will give students a background in global civilization as well as an appreciation for the contributions of other cultures. History will be emphasized along with concepts from the discipline of sociology, geography, political science, and economics.

**Honors World Studies—Honors Track—(Weighted Course)**

*(grade 9; length: Full year; credit: 1.0; prerequisite: Summer assignment completed, 'A' average in 8th grade History, 'B' average in 8th grade year for all courses, 8th grade teacher recommendation; parental support and approval.)*

Students that take Honors World Studies will be faced with a challenging curriculum on global civilization as well as appreciation for the contributions of other cultures. The focus will be a look into major events and the impact these events had on countries across the entire globe. These events include, but are not limited to, Enlightenment philosophies, Industrialization, 20<sup>th</sup> Century Conflict, cultures, geographical impact, economics, and Governments. This course is intended for incoming high school students that desire taking future honors courses and are willing to take on the challenge of an advanced course load. This will include multiple writing assignments, outside reading, and a summer assignment.

**American History**

*(grade 10; length: full year; credit: 1.0; prerequisite: World History.)*

This sophomore level course covers U.S. History and its interactions with other countries of the world from Reconstruction (late 1800s) to present time. The course is designed to help prepare students to be outstanding American citizens and to prepare them for state testing using the Ohio Academic Content Standards

**Honors American History—Honors Track—(Weighted Course)**

*(grade 10; length: full year; credit:1.0; prerequisite: Summer assignment completed, 'A' average in World Studies, 'B' average in Honors World Studies, teacher recommendation; parental support and approval.)*

Students that take Honors American History will be faced with a challenging curriculum on the history of United States and its interactions with other countries of the world. The focus will be on the Reconstruction (late 1800's) to that present time. This course of study is designed to help prepare students for state testing and AP US History. It will include multiple writing assignments, outside reading, and summer assignments.

**AP U.S. History—Honors Track—(Weighted Course)**

*(grade 11; length: full year; credit:1.0; prerequisite: Summer assignment completed, teacher recommendation (teacher signature); student and parent signature; grade of a "B" or better in all Social Studies courses.)*

The Advanced Placement Program in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. The Advanced Placement examination is offered in May for potential college credit. Students are expected to take the AP exam for this course which will cost the student approximately \$87 which will be due in March.

**American Government**

*(grade 11; length: full year; credit: 1.0; prerequisite: American History.)*

This course studies the United States Government including its early foundations. Focus will be on the Constitution, civil rights, political parties, the three branches of Government and citizenship rights and responsibilities. This course will also cover economic issues such as investment and financial literacy required by the Ohio Department of Education. American Government is a year-long class and is required for graduation.

**AP Government—Honors Track—(Weighted Course)**

*(grade 12; length: full year; credit: 1.0; prerequisite: Summer assignment completed, teacher recommendation (teacher signature); student and parent signature; grade of a "B" or better in all Social Studies courses.)*

The Advanced Placement Program in United States Government is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States Government. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. The Advanced Placement examination is offered in May for potential college credit. Students are expected to take the AP exam for this course which will cost the student approximately \$87 which will be due in March.

**Psychology-**

*(grade 12; length: 1 year; credit: 1.0; prerequisite; 3 social studies credits)*

This course introduces students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students will be exposed to psychological facts, principles and phenomena associated with the many sub fields of psychology. Areas of emphasis include thought and learning, biological basis of behavior development, interpersonal relationships, abnormal behavior, and mental health.

<b>Art</b>			
CHS College & Career Readiness Track			
Freshmen	Sophomore	Junior	Senior
Art I: Intro. to Art	Art I: Intro. to Art Art II: Intermediate Art	Art I: Intro. to Art Art II: Intermediate Art Art III: Advanced Art	Art I: Intro. to Art* Art II: Intermediate Art Art III: Advanced Art Art IV: Independent Study

**Art Course Offerings**

**Art I: Introduction to Art**  
*(grades 9-12; length: full year; credit: 1.0; prerequisite: none)*

Art I introduces the beginning art student to the foundations of fine art and design. The Art I student will work on projects from various genres using a variety of media that will give him/her a familiarity and workable knowledge of these foundations with an emphasis on problem solving and conceptualization. Evaluations and grades are determined by craftsmanship, care of equipment, effort, and understanding.

**Art II: Intermediate Art**  
*(grades 10-12; length: full year; credit: 1.0; prerequisite: Art I)*

Art II guides the intermediate artist through a moderate level of fundamental training by means of independent artistic exercises and classroom projects. The Art II student will be introduced to new media while continuing to advance their abilities through an existing knowledge of materials with an emphasis on problem solving, conceptualization, and matured craftsmanship. Art II students will be encouraged to participate in an annual, public art exhibition. Evaluations and grades are determined by craftsmanship, ability to carry out instructions, meeting deadlines, care of equipment, effort, and understanding.

**Art III: Advanced Art**  
*(grades 11-12; length: full year; credit: 1.0; prerequisite: Art I & II)*

Advanced Art is designed to further extend the advanced art students knowledge and abilities through independent exercises and rigorous classroom projects. Advanced Art students will be expected to participate in an annual, public art exhibition. Evaluations and grades are determined by craftsmanship, ability to carry out instructions, meeting deadlines, care of equipment, level of verve and effort

**Art IV: Independent Study**  
*(grade 12; length: full year; credit: 1.0; prerequisite: Art I, II, & Advanced Art)*

Art IV is a re-election of Advanced Art with an emphasis on individual artistic development. While the Art IV student may choose to participate in Advanced Art projects, the student may also develop projects and individual exercises based on personal interests in both genre and media. These independent studies will be closely crafted and monitored through a series of objectives and evaluations mutually determined by the instructor and student. Independent Study students will be expected to participate in an annual, public art exhibition. Evaluations and grades are determined by craftsmanship, ability to meet deadlines, adaptation and follow-through, level of verve, care of equipment, and individual effort. \*Reminder—one fine art credit (two semester courses) is required for an honors diploma and it is recommended that students have at least one fine art credit upon graduation.

# Fine Arts / Music

## FINE ARTS / MUSIC COURSE OFFERINGS

### Band

*(grades 9-12; length: full year; credit: 1.0; prerequisite: teacher recommendation)*

Carlisle High School is proud of their Marching Indians, Concert and Jazz Bands. Students involved in these groups add much to our high school's spirit and pride through their many performances. The Marching Indians perform at all football games and parades. They also participate in at least three major contests each season. The Concert Band gives three major concerts per year. Students wishing to participate in either the Marching Band or Concert Band **MUST participate in both ensembles**, as this is a year long course. Participation in one, but not the other, is not permitted. **Participation all concerts, competitions, and parades, as well as attendance at all after-school rehearsals, including full ensemble rehearsals, sectionals rehearsals, summer rehearsals, and Band camp, are all requirements of this course.** A detailed list of dates and times for these rehearsals and performances will be given out before the year begins, as part of the "Band Handbook". Students must also sign and return the "Parent Permission Form" in the back of the handbook before being allowed to participate with the group. If any student who is currently enrolled in Band carries 2 or more F's in any classes, they will not be allowed to participate in performances, and will have alternative assignments until they are no longer failing 2 or more classes.

### Percussion

*(grades 9-12; length: full year; credit: 1.0; prerequisite: teacher recommendation)*

This is a complimentary course to the High School Band class. All students in this class are members of the Band, and are subject to the same rules and requirements as in the Band course. Students enrolled in this course will play the percussion instruments for the band, including being a part of either the marching percussion (battery) or front ensemble (pit) for the marching band, as well as playing all of the concert percussion instruments in concert band. Students will have the opportunity to learn the fundamentals of how to play all of the percussion instruments. Students will also learn and perform solos on each of the concert percussion instruments. **Participation in all concerts, competitions, and parades, as well as attendance at all after-school rehearsals, including full ensemble rehearsals, sectionals rehearsals, summer rehearsals, and Band camp, are all requirements of this course.** A detailed list of dates and times for these rehearsals and performances will be given out before the year begins, as part of the "Band Handbook". Students must also sign and return the "Parent Permission Form" in the back of the handbook before being allowed to participate with the group. If any student who is currently enrolled in Band carries 2 or more F's in any classes, they will not be allowed to participate in performances, and will have alternative assignments until they are no longer failing 2 or more classes.

### Mixed Choir

*(grades 9-12; length: full year; credit: 1.0; prerequisite: none)*

Mixed choir is a non-auditioned group that anyone who enjoys singing is welcome to join! Students will learn basic music theory along with proper singing technique. A wide variety of music will be taught, including songs in other languages and popular music in the spring. **There will be 4 required concerts a year and a \$15-\$20 uniform fee for polo shirts.**

**Concert Choir***(grades 9-12; length : full year; credit: 1.0; none)*

Concert choir is a more selective group for the more serious choral singer. Ladies and gentlemen will be required to complete a brief written pre-test to join this group. Those interested in this group should have at least one year of previous choir experience (middle school or high school). Students will learn basic to moderate level music theory along with proper singing technique. A wide variety of music will be taught, including songs in other languages and popular music in the spring. Concert choir will be required to compete in large-group contest as well as perform at 4 concerts a year. **Students will be required to obtain appropriate dress clothing for concerts (Ladies: Black dress pants and a red/white/or gray dress shirt. Gentlemen: Black dress pants, black dress shirt, black dress socks, black dress shoes, red or white tie depending on voice section).**

**Girl's Choir***(grades 9-12; length: full year; credit: 1.0; prerequisite: One year in a choral group; brief audition, strong character)*

Girls' choir is an auditioned group for the serious female singer interested in a different group dynamic. Those interested in this group are required to complete a brief audition as well have one year of previous choir experience (middle school or high school). This all-female group will experience rigorous daily rehearsals with the expectation of performing music A Capella as well as accompanied. Students will learn basic-moderate music theory and be required to compete in large-group contest as well as **a minimum of 5 performances a year (some performances are added as needed/requested by outside organizations). A \$55 uniform fee will be charged for matching dresses. A \$15 uniform fee will be charged for t-shirts for the Cedar Point competition trip.**

**A Capella Choir***(grades 9-12; length: full year; credit: 1.0; prerequisite: one year in a choral group; brief audition, strong character)*

A Capella choir is an auditioned group perfect for students who enjoy harmonizing without instrumental accompaniment. (Examples- Straight No Chaser, singers from *Pitch Perfect*, etc.) Those students interested in this group are required to complete a brief audition (A Capella) as well as have one year of previous choir experience (middle school or high school). Students with vocal percussion experience (beat boxing) are highly encouraged to join. This group will experience rigorous daily rehearsals with some after-school rehearsals and at-home practicing required. **Students will learn basic-moderate music theory and be required to participate in a minimum of 5 concerts a year (some performances are as needed/requested by outside organizations). Students will be required to obtain appropriate dress clothing for concerts (dress clothing; any combination of black, white, red, gray). A \$15 uniform fee will be charged for t-shirts for the Cedar Point competition trip.**

**Music in Pop Culture Music in Pop Culture***(grades 9-12; length: full year; credit: 1.0; prerequisite: none)*

In this course, students will study how music has developed over time, and what influence it has had on society and pop culture. Students will study how modern music has its roots and foundations in classical music, as well as discussing several other popular styles over the last century, including Jazz, Classic Rock, and modern pop music. Several prominent musicians including Frank Sinatra, Elvis, Michael Jackson, and the Beatles will be discussed in detail. Finally, students will discuss the influence music has on Film, and how the two mediums work together to enhance each other. **No performances are required for this course.**

# Physical Education

Freshmen	Sophomore	Junior	Senior
<b>**Physical Education</b> $\frac{1}{4}$ credit + $\frac{1}{4}$ credit  <b>**Health</b> $\frac{1}{2}$ credit	<b>**Physical Education</b> $\frac{1}{4}$ credit + $\frac{1}{4}$ credit	<b>Fitness &amp; Weight Training (Elective)</b>	<b>Fitness &amp; Weight Training (Elective)</b>

**\*\* Course is required to graduate.**

## PHYSICAL EDUCATION COURSE OFFERINGS

*Students must have a .5 credit in Physical Education and .5 credit in Health*

### Physical Education

*(Grades 9/10; length: semester; credit: .25; prerequisite: none)*

Physical education is designed to be an introductory course to other physical education courses at CHS. There will be an emphasis on physical fitness throughout the course. The student will be introduced to lifetime activities such as bowling, golf, table tennis, Frisbee golf and tennis. Team sports such as volleyball, basketball and soccer will be taught at a fundamental level to gain experience and knowledge.

### Fitness & Weight Training

*(Grades 11/12; length: semester; credit: .5; prerequisite: Physical Education course)*

Physical fitness requires time, hard work, and desire. This course is designed for those athletes interested in developing body strength for advanced sports skills. Students will engage in weight lifting, cardio vascular conditioning and flexibility exercises. Students will utilize both free weights and circuit training weight machines.

Prerequisite: Physical Education

### Health

*(grades 9; length: semester; credit: .5; prerequisite: none)*

Health is the part of the high school curriculum that presents the information students need to understand how to become and stay healthy. This class stresses healthy choices and decision-making. Students will work to develop skills necessary to weigh options, make responsible decisions and develop behaviors that promote a healthy lifestyle. Students will assess their attitudes and behavior patterns and understand the impact their choices have on themselves, their family, their friends, their community and on society as a whole. Topics covered: Health risks, Personality Stress Management, Nutrition Violence Prevention, Alcohol, Tobacco, Drug Abuse, Infectious and Noninfectious Diseases, Injury Prevention and First Aid, and Self- Esteem.

## Foreign Language

Grades 8-12	Grades 9-12	Grades 10-12	Grades 11-12
French I	French II	French III	French IV
Spanish I	Spanish II	Spanish III	Spanish IV

### FOREIGN LANGUAGE COURSE OFFERINGS

#### **French I/ Spanish I**

*(Grades 8/9; length: full year; credit: 1; prerequisite: none)*

This is a level one foreign language class designed for the college bound student. During the course the foreign language students will receive instruction in listening, speaking, writing, and grammar as presented in the chapters of the textbook. Culture and geography will be covered in connection with the material introduced in the text as well as special projects. In order for students to advance to level two, they must demonstrate understanding of basic concepts such as verb conjugation, noun-adjective agreement and basic sentence structure. Students who do not meet these criteria may apply to the administration for approval to advance.

#### **French II/ Spanish II**

*(Grades 9/10; length: full year; credit: 1; prerequisite: French I / Spanish I)*

This is a level two foreign language class designed for the college bound student. It builds upon the same concepts and structures from level one. Students concentrate on building vocabulary, language skill, and mastering the more complex elements of the language. Culture and geography will be covered in connection with the material introduced in the text. In order for students to advance to level three, they must demonstrate understanding of basic concepts such as verb conjugation in the present and past tense, noun-adjective agreement and basic sentence structure. Students who do not meet these criteria may apply to the administration for approval to advance. Prerequisite: French I/ Spanish I

#### **French III/ Spanish III**

*(Grades 10/11; length: full year; credit: 1; prerequisite: French II / Spanish II)*

This is a level three foreign language class designed for the college bound student. It builds upon the same concepts and structures from level two. Students explore the language on a more sophisticated level; they will concentrate on building vocabulary, language skill, and mastering the more complex elements of the language in order to express themselves in a more natural and creative manner. In order for students to advance to level four, they must demonstrate understanding of basic concepts such as verb conjugation in the present and past tense, noun-adjective agreement and basic sentence structure. Students who do not meet these criteria may apply to the administration for approval to advance.

#### **French IV/ Spanish IV**

*(Grades 11/12; length: full year; credit: 1; prerequisite: French III / Spanish III)*

This is an honors foreign language class which is weighted and designed for the college-bound student. In this course students will use the grammar and vocabulary of levels one, two and three in a more natural and creative manner. Students will be expected to speak the target language as much as possible, read short stories and a novel. **A college level exam is taken at the end of the year. If successful he/she will earn college credit hours.**

## Business/Career Tech

Freshmen	Sophomore	Junior	Senior
Business Foundations	PC Apps Internet Exploration Interactive Media for the Web	Desktop Publishing Computer Aided Design Audio/Video Technology	Business Law I & II TV Production Computer Programming

### BUSINESS/CAREER TECH COURSE OFFERINGS

#### Business Foundations

*(grades 9-10; length: year long; credit: 1; prerequisite: none)*

This is the first course for the Business and Administrative Services, Finance and Marketing career fields. It introduces students to specializations within the three career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership and communications and personal financial literacy will be addressed

#### Desktop Publishing

*(grades 10-12; length: 1 semester; credit: 0.5; prerequisite: none)*

Digital publishing is rapidly revolutionizing virtually every facet of the publishing profession. Basically, digital publishing refers to the design and preparation of documents that will be reproduced and circulated. Digital publishing is ideally suited to producing newsletters, fliers, announcements, letterhead stationery, business cards, form letters, business forms, invoice forms, display advertisements, in-house publications, technical reports, educational material, etc. Students will be using the latest software programs to produce their documents. Only the basic knowledge of how to operate the computer and keyboard is expected.

#### Business Law I

*(grades 10-12; length: 1 semester; credit: 0.5; prerequisite: none)*

*Business Law I* will introduce students to the law in regards to situations and conditions that will or may exist in their everyday lives (past, present, and future). Studies will involve an introduction to the beginnings of the basis of law in our country, types of civil and criminal crimes and how our court systems at the State and Federal levels handle these crimes. Contract laws in the personal and business areas are also a vital part of this semester course. Students will participate in a mock-trial as part of the course requirement.

#### Business Law II

*(grades 10-12; length: 1 semester; credit: 0.5; prerequisite: Business Law I)*

*Business Law II* deals with the laws and aspects surrounding: marriage laws and formalities, credit and cash purchases, use of commercial paper (checks) and various types of insurance available to the public. The laws of business organizations (including partnerships and corporations) will be studied. Actual case studies will be reviewed and analyzed through debates and mock trials

# Business/Career Tech

## BUSINESS/CAREER TECH COURSE OFFERINGS

### PC Applications

*(grades 10-12; length: 1 semester; credit: 0.5; prerequisites: none)*

Students will use Microsoft Office for Business creating documents (Word), databases (Access), spreadsheets (Excel) and slide show presentations (Power Point). Students will create, edit, store, format, merge, and print documents in Word; create, modify and sort database files in Access; format, create formulas, and generate spreadsheet charts in Excel; create effective slides with photographs, clip art, text, animations, and charts for audience presentations in PowerPoint.

### Internet Exploration

*(grades 10-12; length: 1 semester; credit: 0.5; prerequisite: None)*

Students will learn to navigate the World Wide Web, organize and save web addresses, use a variety of search techniques for finding relevant information, download files, and compose and send email. Web Page Design will incorporate HTML (Hypertext Markup Language) to create home pages using graphics, hyperlinks, text, animations and audio.

### Computer Programming

*(grades 11-12; length: 1 semester; credit: 0.5; prerequisite: None)*

Students will become acquainted with coding for websites and Object Oriented Programming using Java computer language. Students will write, interpret, compile, and execute real-world programs. Students will develop useful programs while learning the basic principles of structured and object-oriented programming.

### Interactive Media for the Web\*

*(grades 10-12; length: 1 semester; credit: 0.5; prerequisite: None)*

Students will be given introductory instruction in three digital media technology skills:

1. Digital Video Editing – planning and producing a video for placement on a web page.
2. Illustration Techniques – planning and design of text/logos and Photoshop images.
3. Digital Still Photography – learning the basic skills of photography and digital photo editing.

Students will then apply their digital imagery knowledge by creating web pages using the streaming video, drawings, animations, and enhanced photos created through the above projects.

*\*This course will also count as fine art credit*

# Business/Career Tech

## BUSINESS/CAREER TECH COURSE OFFERINGS

### Audio/Video Technology\*

*(grades 10-12; length: 1 semester; credit: 0.5; prerequisite: none)*

Students will be given instruction in three digital media technology skills:

- (1) Digital Video Recording and Editing Techniques – planning and producing video projects.
- (2) Digital Audio Recording and Editing Techniques – planning and producing music, commercials.
- (3) Digital Still Photography – applying digital to video production.

The final product will be placed on DVD's and presentation software linked to multimedia.

*\*This course will also count as fine art credit.*

### PC Applications

*(grades 10-12; length: 1 semester; credit: 0.5; prerequisites: none)*

Students will use Microsoft Office for Business creating documents (Word), databases (Access), spreadsheets (Excel) and slide show presentations (Power Point). Students will create, edit, store, format, merge, and print documents in Word; create, modify and sort database files in Access; format, create formulas, and generate spreadsheet charts in Excel; create effective slides with photographs, clip art, text, animations, and charts for audience presentations in PowerPoint.

### Computer Aided Design

*(grades 9-12; length: 1 semester; credit: 0.5; prerequisite: none)*

The first part of this course is spent researching various careers requiring industrial technology skills. The middle portion of this course focuses on the basic commands and techniques of computer-aided drafting and design. The latter part of the course emphasizes hands-on drawing and design of floor layouts, buildings and objects used in industry. Quality projects and work attitudes are major course objectives.

### Television Production\*

*(grades 11-12; Length: 1 year; credit: 1.0; prerequisite: Advanced Interactive Media or instructor approval)*

TV Production is a course designed to introduce students to communicating through the use of digital camcorders, video/audio recording and editing. Procedures on video composition, scripting, meeting production deadlines, and working in "teams" will be major goals. Projects will include interviews, mini-documentaries, music videos, short commercials and a possibly a weekly closed-circuit news program. Students will have the opportunity to explore linear editing, graphics, lighting, blue-screening, and sound enhancement. Students will also participate in setting up sound, lighting, and video for school stage productions and will be required to use some of their prime times and several evenings on a school site to complete their video assignments.

*\*This course will also count as fine art credit.*



Students Should choose a Honors or College and Career Readiness Track in all Four Academic Areas during their Freshmen and Sophomore Year

Students may choose to apply to one of the following programs:

**AGRICULTURE**

Agriculture and Livestock Production  
Animal Care and Management  
Diesel Powered Technologies  
Natural Resource Management  
Veterinary Science

**HUMAN RESOURCES**

Cosmetology  
Culinary Arts  
Early Childhood Education

**ARTS AND COMMUNICATION**

Digital Design Technology  
Graphic Commercial Art  
Graphic Commercial Photography  
Media and Video Production

**INDUSTRIAL TECHNOLOGY/  
MANUFACTURING OPERATIONS**

Agricultural Design  
Precision Machining  
Robotics and Automation  
Welding

**BUILDING AND CONSTRUCTION**

Construction Carpentry  
Electrical Trades  
Heat, Ventilation, and Air Conditioning  
Heavy Equipment Operator

**PUBLIC SAFETY**

Air Force Junior ROTC  
Criminal Justice  
Firefighter/EMS

**BUSINESS AND INFORMATION  
TECHNOLOGY**

Business Ownership  
Medical Office Management  
Sports Management and Marketing  
Computer Network Engineering  
Computer Repair and Technical Support  
Game Programming and Web Apps

**SERVICES**

Auto Services  
Hospitality Services  
Retail Agriculture Services

**TRANSPORTATION SYSTEMS**

Auto Collision  
Automotive Technology  
Aviation Maintenance Technician

**HEALTH**

Allied Health Technologies  
Biotechnology  
Dental Assistant  
Health Careers Academy  
Sports Medicine

**What do I do if I want to go to the career center?**

- ◆ Students who wish to choose a career/technical concentration will take the first two years in either the Honors track or the College and Career Readiness Track.
- ◆ Students will also take 2 semesters of physical education and one semester of health prior to going to the career center.
- ◆ Students will then take the recommended courses in their Career Technical Minor Concentration.
- ◆ Student should complete personal finance prior to going to the career center to fulfill financial literacy requirement

**MIAMI VALLEY CAREER TECHNOLOGY CENTER**

The Miami Valley Career Technology Center population is made up of juniors and seniors from the twenty-seven partner schools in Montgomery County.

**CAREER PREPARATORY**

Career-Technical Education prepares students with the technical skills for employment. Many of the programs offer college credit in the technical area, giving students a head start on college and technical school training. Some programs lead straight to employment, while others require further post-secondary education.

**STUDENT ELIGIBILITY**

1. Students who will be completing the tenth grade and in the case of a two-year program, students who have completed two years of high school and need two years at MVCTC to complete their graduation requirements.
2. In the case of a one-year program, students who have completed three years of high school and need one year at MVCTC to complete their graduation requirements.
3. Students who are in good standing at their home high school and on track to graduate without any credit deficiencies.
4. Students who complete the application packet and provide all needed records in a timely manner. Application timelines will be posted on the website and in the program guides.
5. Students who have demonstrated an attendance rate of 95% or higher the previous year.
6. Students who meet the minimum competencies/qualifications for the program.
7. Students who have spent the semester prior to the year for which they are applying for admittance to MVCTC in successful and regular attendance at their home high school (i.e., neither expelled, on home instruction, nor assigned to an alternative out-of-school program).

Additional criteria for tech prep programs as adopted by the Miami Valley Tech Prep Consortium will be used where applicable. Applications from students who do not meet the eight stated admission preferences will be reviewed if openings still exist in the program for which the student has applied. Students who have credit deficiencies and/or poor attendance will be required to submit plans for making up the credit deficiencies and/or sign an attendance pledge if the student is admitted to MVCTC. MVCTC recognizes that certain circumstances may require an application be administratively reviewed on a case-by-case basis for exceptions to the foregoing preferences when the applicant is a student with a disability. MVCTC shall comply with all applicable state and federal laws and regulations pertaining to the admission of students with disabilities. Admission to all MVCTC courses shall only be for credit with a grade issued at the end of the course. Courses cannot be taken as an audit.

**COURSES OFFERED AT MVCTC**

**MATH CREDITS**

1 credit- **Geometry, Transitional Algebra, Algebra II, Functions & Trigonometry, Pre-Calculus, Calculus, Statistics, College Credit Plus Statistics, Advanced Technical Math, Integrated Ally Health Math, Mathematical Applications and Problem Solving, Applied Math and Math III.** Course content is based on an integrated presentation of topics in arithmetic, algebra, geometry, trigonometry, probability, estimation, and problem solving. The materials are oriented toward the application and practice of mathematics concepts and skills in the work environment.

**SCIENCE CREDITS**

1 credit- **Chemistry, Applied Physics Principles, Applied Genetics, Earth Science, Biology, Anatomy and Physiology, Culinary Food Science, College Biology, Forensic Science I & II, Environmental Science, Integrated Science, Microbiology**

**ENGLISH**

1 -credit- **English III, English IV (College Credit Plus)**  
1 -credit- **British Literature, Academic Writing & Reading and Great Books**

**SOCIAL STUDIES CREDITS**

1 credit- **Government**  
1 credit- **Social Studies Survey, Social Studies III, Intro to Sociology, Intro to Psychology, Social Studies IV, Economic Life**

**HOME SCHOOL STATUS**

Students who attend the Miami Valley Career Technology Center will still be considered members of their home school. Since the MVCTC serves as an extension of the home school, all students who complete their course requirements at the MVCTC will receive a regular diploma from their home high school. In addition, they may receive a career certificate from the Miami Valley Career Technology Center by meeting grade and attendance requirements.

**STUDENT EXPENSES**

There will be no tuition charge for students residing in any of the participating school districts. Students pay school fees at MVCTC, cost vary as to the program requirements. Please call the MVCTC for more information about expenses and fees.

**STUDENTS PLANNING ON ATTENDING THE CAREER CENTER SHOULD HAVE THE FOLLOWING CREDITS UPON COMPLETION OF THE TENTH GRADE:**

English	2 Credits
Math	2 Credits
Science	2 Credits
Social Studies	2 Credits
Health/Phys. Ed	1 Credit
Fine Arts	1 Credit
<b>*Personal Finance</b>	<b><u>.5 Credit</u></b>
	10.5 Credits (8 is the minimal)

\*Economics and financial literacy requirement for class of 2014 and beyond

**WITHDRAWAL FROM CAREER CENTER**

If a student's parent withdraws their child before the June 1st deadline, the child does not have to attend the first two weeks at the MVCTC. Withdraw notification can be made in writing or by calling before the deadline. If a student does not meet the June 1st deadline, the student must attend the Career Center for the first two weeks of school. The two week time period is required so the students gets a complete and thorough concept of their program.

If a student decides after two weeks to withdraw from the Career Center, a conference must be held with the Carlisle High School principal and guidance counselor, the Career Center guidance counselor, the student, and the parent. The high school principal shall make the final determination as to whether the student will be able to return to the home school.

## ENGLISH CAREERS

Account Executive  
 Editor, Film/Video  
 Literary Agent  
 Actor/Actress  
 Editor, Magazine  
 Loan Officer  
 Administrative Assistant  
 Editor, News  
 Lobbyist  
 Administrator  
 Editor  
 Newspaper /  
 Magazine Writer  
 Advertising Copywriter  
 Editor  
 Management Trainee  
 Analyst  
 Editor, Publications  
 Manuscript Reader  
 Artist  
 Editor, Writer  
 Market Research  
 Analyst  
 Editorial Assistant  
 Marketing Specialist  
 Attorney  
 Education & Training  
 Marketing Writer  
 Author - Fiction  
 Non-Fiction  
 Educational Program  
 Specialist  
 Mass Media  
 Assistant Scientific Writer  
 Entertainment Agent  
 Media Planner  
 Bank Officer  
 Fashion Merchandiser  
 Medical Records  
 Biographer  
 Foreign Correspondent  
 Narrator  
 Book Critic  
 Freelance Writer/Consultant  
 Novelist  
 Business Manager  
 Fundraiser  
 Paralegal  
 Circulation Assistant  
 Greeting Card Writer  
 Paralegal Assistant  
 City Manager

### *Related Skills*

***Influencing and Persuading***

***Presenting Alternative View Points***

***Clarifying Ideas***

***Making Oral Presentations***

***Problem Solving***

***Developing Hypotheses***

***Comparing Interpretations***

***Summarizing Ideas***

***Thinking Independently***

***Editing Skills***

***Creative Writing***

***Oral and Written Communication Skills***

Stockbroker  
 Research Assistant  
 Talent Agent Researcher/  
 Pollster  
 Social Welfare Examiner  
 Teacher (all levels)  
 Retail Sales  
 Social Worker  
 ESL Teacher Technical  
 Consultant  
 Translator  
 Writer  
 Technical Writer  
 Underwriter  
 Documentation Specialist  
 Training  
 Video Scriptwriter/Producer

Hearing Officer  
 Personnel Manager  
 College Professor  
 Hotel & Motel Manager  
 Playwright  
 Columnist/Commentator  
 Human Resource Specialist  
 Poet  
 Comedy Writer  
 Human Service Practitioner  
 Politician  
 Communications Manager  
 Probation and Parole Officer  
 Congressional Aide  
 Information Abstractor  
 Product Manager  
 Copywriter  
 Insurance Agent  
 Program Manager  
 Corrective Therapist  
 Interior Designer  
 Proofreader  
 Creative Writer  
 Interpreter & Translator  
 Critic, Art/Book  
 Investment Counselor/  
 Manager  
 Public Administrator  
 Journalist  
 Public Relations Specialist  
 Curator Labor Relations  
 Specialist  
 Public Speaker  
 Customer Service  
 Lawyer  
 Publicity Assistant  
 Desktop Publisher  
 Legal Assistant  
 Publisher  
 Director Librarian  
 Publishing Assistant  
 Radio-TV Commentator  
 Sales Representative  
 Special Events Coordinator  
 Radio-TV Newscaster  
 Sales/Service Manager  
 Speech Writer  
 Reading Consultant  
 Script Reader  
 Sports Writer  
 Reporter  
 Singer

# MATHEMATICS CAREERS

Accountant  
Contract Administrator  
Information Scientist  
Actuary  
Cost Estimator/Analyst  
Inventory Control Specialist  
Aerospace Engineer  
Cryptographer/Cryptologist  
Investment Banker  
Air Traffic Controller  
Data Control Administrator  
ISO 2000 Specialist  
Applications Programmer  
Data Processing Manager  
Market Research Analyst  
Applied Science Technologist  
Database Manager  
Mathematician  
Artificial Intelligence  
Programmer  
Demographer  
Media Buyer  
Astronomer  
Econometrician  
Meteorologist  
Banking/Credit/  
Investment Mgr.  
Economist  
Mortgage Researcher  
Biometrician/ Biostatistician  
EDP Auditor  
Network Programmer  
Commodity Manager  
Employee  
Relations Specialist  
Numerical Analyst  
Compensation/Benefits  
Administrator  
Engineer  
Operations  
Research Analyst  
Computer Consultant  
Engineering Lab Technician  
Physicist  
Computer Engineer  
Environmental Technologist  
Pollution Meteorologist  
Computer Facilities Mgr.  
Estate Planner  
Production Manager  
Computer Installation  
External Auditor

## *Related Skills*

### ***Problem Solving***

### ***Organizational Skills***

### ***Numerical Computation***

### ***Ability to Analyze & Interpret Data***

### ***Critical Thinking***

### ***Computer Literacy***

### ***Logical Thinking***

### ***Team Skills***

### ***Efficient***

### ***Systemizing Skills***

### ***Advanced Quantitative Skills***

### ***Testing Skills***

Production  
Support Specialist  
Computer Marketing/  
Sales Rep  
Financial Auditor  
Psychometrician  
Computer Programmer  
Financial Consultant  
Public Health Statistician  
Computer Scientist  
Financial Manager  
Purchasing/Contract Agent  
Computer-Aided Design  
Hydro Geologist  
Quality Assurance Analyst  
Consumer Loan Officer  
Credit Officer  
Hydrologist  
Rate Analyst  
Cartographer

Software Engineer  
Teacher: Science/  
Math/Computers  
Research Analyst  
Software Support Specialist  
Technical Support Rep.  
Risk & Insurance  
Specialist  
Statistician  
Technical Writer  
Risk Analyst  
Systems Analyst  
Transportation Planner  
Robotics Programmer  
Systems Engineer  
Treasury Management  
Specialist  
Satellite  
Communications  
Systems Programmer  
Underwriter  
Software Development  
Specialist  
Urban Planner  
Value Engineer  
Industrial/Institutional  
Buyer  
Mathematics Editor  
Weight Analyst  
Biomedical Research  
Petroleum Engineering  
Construction Engineering/Management  
Cartography  
Aerospace Medicine  
Astronomical Research  
Meteorology  
Food Management  
Operations Research  
Government Finance  
Special Education  
Public Accounting  
Computer Consulting  
Architect  
Structural Engineer  
Product Manager  
Statistician  
Math Textbook Editor  
Opinion Researcher  
Actuary  
U.S. Navy Officer

## SCIENCE CAREERS

Agricultural Scientist  
 Cytotechnologist  
 Occupational Safety  
 Environmental Health  
 Biochemist  
 Fire Protection Engineer  
 Pharmaceutical Sales  
 Food Scientist Technician  
 Physician  
 Cephalometric Analyst  
 Forensic Chemist  
 Chemical Oceanographer  
 Genetic Counselor  
 Plastics Engineer  
 Chemistry Technologist  
 High School Teacher  
 Product Tester  
 Clarifying Plant Operator  
 Hospital Administrator  
 Quality Assurance Manager  
 College Professor  
 Hydrologist  
 Risk Manager  
 Color Development Chemist  
 Industrial Hygienist  
 Science Lab Technician  
 Crime Lab Analyst  
 Molecular Biologist  
 Soil Scientist  
 System Analyst  
 Tissue Technologist  
 Toxicologist  
 Underwater Technician  
 Vector Control Assistant  
 Veterinarian  
 Wastewater Treatment Chemist  
 Water Purification Chemist  
 Anesthesiologist  
 Clinical Specialist  
 Computer Software  
 Engineer  
 Dentist  
 Entomologist  
 Environmental Engineer  
 EPA Inspector  
 FDA Inspector  
 General Surgery Resident  
 Hydro geologist  
 Industrial/Institutional Buyer  
 Lawyer  
 Medical Technologist  
 Metallurgist  
 Museum Curator

### *Related Skills*

***Operate Scientific Equipment***

***Independent Worker***

***Information Handling & Organization***

***Curiosity and Creativity***

***Biology Theory & Practical Knowledge***

***Statistical Awareness***

***Oral & Written Communication Numerical Computation***

***Analytical & Quantitative Abilities***

***Innovative Talents***

***Problem Solving***

***Technical Skills***

***Teamwork***

Nurse  
 Occupational Health  
 Optometrist  
 Pharmacist  
 Product Development Mgr.  
 Psychiatrist  
 Radiologist  
 Scientific Photographer

Agronomist  
 Environmental Engineer  
 Marine Engineering Tech  
 Animal Scientist  
 Environmental Health  
 Marine Fisheries/Worker  
 Aquaculture Farmer  
 Environmental Protection  
 Aquarium & Museum  
 Worker Fish Hatchery  
 Technician  
 Marine Tourist Worker  
 Aquarium Technician  
 Fish Processor  
 Analyst Aquatic Biologist  
 Medical Laboratory Tech  
 Bio-Engineer  
 Florist  
 Bio-Technologist  
 Food Scientist  
 Technologist Medical  
 Forester  
 Biometrician  
 Geographer  
 Microbiologist  
 Botanist  
 Health Officer  
 Horticulturist  
 Molecular Biologist  
 Mortician  
 Chiropractor  
 Hydrographic Survey Tech  
 Museum/Aquarium Admin.  
 Coastal Guest-  
 Industrial Hygienist  
 Mycologist  
 Neurobiologist  
 Coroner  
 Paramedic  
 Dietitian & Nutritionist  
 Marine Biologist  
 Ecologist  
 Pharmaceutical Sales  
 Pharmacy Technician  
 Physical Therapist  
 Soil Conservationist  
 Systems Analyst  
 Toxicologist  
 Veterinarian  
 Biologist  
 Wildlife Resources Worker  
 Zoologist

## SOCIAL STUDIES CAREERS

Anthropologist  
 FBI / CIA Agent  
 Journalist  
 Archeologist  
 Foreign News Corresp.  
 Lawyer Archivist  
 Foreign Service Officer  
 Lecturer  
 Biographer  
 Genealogist  
 Legal Assistant/Paralegal Clergy  
 Government Official  
 Librarian  
 Community Relations Dir.  
 Historian  
 Lobbyist  
 Congressional Aide  
 Historic Preservationist  
 Market Research Analyst  
 Consumer Advocate  
 Historic Site Tour Guide  
 Media Consultant  
 Counselor  
 Historical Society Staff  
 Museum Curator  
 Criminologist  
 Indicter  
 Museum Tech. & Specialist  
 Demographer  
 Insurance Agent / Broker  
 Park Ranger  
 Economist  
 Intelligence Analyst  
 Peace Corps / Vista Worker  
 Editor  
 International Relations  
 Political Scientist  
 Psychologist  
 Social Studies Teacher  
 Urban Administrator  
 Public Relations Specialist  
 Technical Writer  
 Urban Planner  
 Research Assistant  
 Travel Agent  
 Writer / Author  
 Facilities Planner  
 Land Developer  
 Site Researcher  
 Agricultural Extension Agent  
 Forestry Technician  
 Land Economist

### *Related Skills*

#### ***Explaining Ideas***

#### ***Interpreting Events and Ideas***

#### ***Writing and Presenting Information***

#### ***Examining Evidence***

#### ***Analyzing Ideas and Information***

#### ***Developing a World View***

#### ***Explaining the Present by Referring to the Past***

#### ***Decision Making***

#### ***Seeing Relationships Between Factors***

Soil Conservationist  
 Air/Water Quality Control  
 Manager  
 Geographer  
 Land-Use Analyst  
 Surveyor  
 Cartographer  
 Geographic Area Specialist  
 Location Expert  
 Systems Analyst  
 Map Analyst  
 Teacher

Climatologist  
 Geographic Information  
 Systems  
 Map Curator/Librarian  
 Traffic Manager  
 Coastal Zone Manager  
 Geophysics Assistant  
 Transportation Analyst  
 Community Developer  
 Hazardous Waste Planner  
 Market Research Analyst  
 Transportation Manager  
 Computer Mapper  
 Health Services Planner  
 Natural Resources  
 Specialist  
 Travel Agent/Specialist  
 Computer Programmer  
 Health Services  
 Organization Manager  
 Outdoor Guide  
 Urban/Regional Planner  
 Demographer  
 Hydrologist  
 Park Ranger  
 Weather Forecaster Earth  
 Scientist  
 Industrial Developer Peace  
 Corp Volunteer Wildlife  
 Manager  
 Ecologist  
 Industrial Planner  
 Property Manager Writer/  
 Author  
 Editor  
 Intelligence Agent  
 Public Utilities Specialist  
 Zoning Investigator  
 International Business Rep  
 Real Estate Agent/Broker/  
 Appraiser  
 Environmental Quality  
 Specialist  
 International Investment  
 Analyst  
 College/University  
 Professor

## ART CAREERS

Advertising Artist  
 Bookplate Artist  
 Fashion Artist/Designer  
 Motion Picture Artist  
 Advertising Designer  
 CAD Designer  
 Filmmaker  
 Motion Picture Scenic Designer  
 Aerial Photographer  
 Calligrapher  
 Floral Designer  
 Municipal Graphic Designer  
 Airbrush Artist  
 Car and Bus Card Artist  
 Freelance Letter/Designer  
 Mural Artist  
 Animator  
 Caricaturist  
 Furniture Designer  
 Museum Artist  
 Antiques Dealer  
 Cartoonist  
 Gallery Owner  
 Newspaper Artist  
 Architectural Model Builder  
 Catalog Illustrator  
 Gemologist  
 Newspaper Illustrator  
 Architectural Renderer  
 CD/Record Cover Designer  
 Glass Blower  
 Newspaper Layout Artist  
 Art Administrator  
 Ceramic Artist  
 Graphic Arts Technician  
 Photographer  
 Art Buyer  
 Cinematographer  
 Motion Picture Animator  
 Graphic Designer  
 Photojournalist  
 Art Conservator  
 Color Expert  
 Graphist  
 Printing Designer  
 Art Consultant  
 Copyist  
 Greeting Card Artist  
 Printing Layout Artist  
 Art Critic  
 Costume and Mask  
 Designer

### *Related Skills*

***Imagination and Creativity***

***Strong Communication Skills***

***Work Ethic***

***Flexibility***

***Basic Reading, Writing and Editing Skills***

Illustrator  
 Product Designer/  
 Illustrator  
 Art Dealer  
 Courtroom Sketcher  
 Impressionist  
 Quick Sketch Artist  
 Art Director  
 Decorator  
 Interior Decorator  
 Sculpturist  
 Art Exhibition  
 Coordinator  
 Designer  
 Internet Homepage  
 Designer  
 Set Designer/  
 Illustrator  
 Art Graphic Assistant  
 Direct Mail Artist  
 Jewelry Designer  
 Silhouette Artist  
 Art Historian  
 Direct Mail Layout

Designer  
 Kitchenware Designer  
 Silkscreen Artist  
 Art Teacher  
 Display Artist  
 Label Designer  
 Stained Glass Artist  
 Urban Designer  
 Art Therapist  
 Display Designer  
 Landscape Architect  
 Stencil Cutter  
 Artist  
 Display Painter  
 Layout Artist  
 Still Photographer  
 Artist's Agent  
 Drafter  
 Magazine Cover Artist  
 Textile Designer  
 Assistant Curator  
 Editorial Illustrator  
 Magazine Designer/  
 Illustrator  
 Topographer  
 Auctioneer Transporter  
 Engraver  
 Mannequin Decorator  
 Toy Designer  
 Audio Visual  
 Artist/Designer  
 Engrosser  
 Mechanical &  
 Production Artist  
 Tracer  
 Bank Note Designer  
 Environmental  
 Designer  
 Medical Illustrator  
 Trademark Designer  
 Billboard Artist  
 Etcher  
 Memorial Designer  
 Typographical Artist  
 Book Illustrator  
 Designer  
 Exhibit Designer  
 Millinery Designer  
 Upholstery Fabric  
 Designer  
 Book Jacket Designer  
 Fabric Designer

## BUSINESS CAREERS

Account Executive  
 Government Services  
 Media Planner  
 Bank Manager  
 Health Services/Hospital Admin.  
 Mortgage Loan Officer  
 Benefits Manager  
 Hotel Manager  
 Occupational Analyst  
 Branch Manager-Any Industry  
 Human Resource Manager  
 Operations Manager  
 Budget Officer  
 Industrial Relations Director  
 Outside Property Agent  
 Commodity - Industry Analyst  
 Information Systems Manager  
 Payroll Officer  
 Communications Officer  
 Insurance Agent  
 Personnel Manager  
 Compensation Manager  
 International Business Manager  
 Personnel Recruiter  
 Computer Operations Supervisor  
 Job Analyst  
 Promotions Manager  
 Construction Supervisor  
 Labor Relations Manager  
 Provisioning Manager  
 Consultant  
 Loan Officer  
 Public Utilities Manager  
 Credit Analyst  
 Management Analyst  
 Purchasing Agent  
 Credit and Collections Manager  
 Management Trainee  
 Purser  
 Employment Counselor  
 Manufacturing Supervisor  
 Quality Control Auditor  
 Entertainment Agent  
 Market Information Specialist  
 Real Estate Agent/Broker  
 Financial Analyst  
 Market Research Analyst  
 Recreation Manager  
 Foreign-Exchange Trader  
 Media Planner  
 Reports Analyst  
 Restaurant/Food Service Manager  
 Stock Broker

### *Related Skills*

*Leadership*

*Critical Thinking*

*Problem Solving*

*Numerical Computation*

*Sound Decision-Making*

*Oral & Written Communication*

*Organizing Activities*

*Computer Literacy*

*Planning Activities*

*Flexibility*

*Team Player*

*Coordinating Activities*

*Directing Activities and Staff*

*Cross-cultural Skills*

*Interpersonal Skills*

*Analyze and Interpret Data*

Training Manager  
 Retail Sales Manager  
 Supervisor  
 Transportation Director  
 Sales Manager  
 Telecommunication Marketer  
 Travel Agent  
 Securities Trader  
 Telecommunications System Coordinator  
 Trust Administrator  
 Service Organization Manager  
 Traffic Manager  
 Voice/Data Service  
 Operations Manager  
 Wholesale Sales Representative

## FOREIGN LANGUAGE CAREERS

Accountant  
 FBI Agent  
 Investment Analyst  
 Advertising Manager  
 Filmmaker  
 Journalist  
 Advertising Copywriter  
 Finance Director  
 Laboratory Technician  
 Air Traffic Assistant  
 Financial Planning Associate  
 Lawyer  
 Archivist  
 Foreign Diplomat  
 Library Technician  
 Art Dealer  
 Foreign Correspondent  
 Linguist  
 Auditor  
 Foreign Exchange Trader  
 Media Specialist  
 Banking Correspondent  
 Foreign Service Officer  
 Missionary  
 Bilingual Officers/Clerks and Tellers  
 Foreign Service Peacekeeper  
 Multi-Lingual Port Receptionist  
 Bilingual Educator  
 Foreign Service Specialist  
 Museum Curator  
 Bookkeeper  
 Foreign Social Worker  
 Musician  
 Civil Service Employee  
 Fund-Raiser  
 National Security Agent  
 Commercial Loan Officer  
 Human Resources Director  
 Negotiator  
 Computer Systems Designer  
 Importer/Exporter  
 Overseas Personnel Manager  
 Consultant  
 Intelligence Researcher  
 Overseas Plant Manager  
 Copywriter  
 Intelligence Specialist  
 Paralegal  
 Court Interpreter  
 International Account Manager  
 Peace Corps Volunteer  
 Cultural Attaché  
 International Banking Officer

### *Related Skills*

*Influencing and Persuading*

*Presenting Alternative View Points*

*Clarifying Ideas*

*Making Oral Presentations*

*Problem Solving*

*Developing Hypotheses*

*Comparing Interpretations*

*Summarizing Ideas*

*Thinking Independently*

*Editing Skills*

*Creative Writing*

*Oral and Written Communication Skills*

Performer/Video Artist  
 Cultural Officer  
 International Conference Planner  
 Pharmaceutical Rep.  
 Customs /Immigration Officer  
 International Consultant  
 Pharmacist  
 Drug Enforcement Agent  
 International Hotel Admin.  
 Police Officer  
 Editor  
 International Trade Economist  
 Politician  
 Interpreter/Guide  
 International Trade Specialist  
 Production Supervisor  
 Travel Agent Tour Organizer  
 Scientific Translator/Interpreter  
 Proofreader  
 Translator  
 Senior Credit Analyst  
 Public Health Administrator  
 Transport Equipment Manager

## FINE ARTS CAREERS

Architectural Acoustic Monitor Editor  
 Music Software Programmer  
 Armed Forces Band Member Engineer/  
 Mixer  
 Music Store Manager  
 Artist & Repertoire (A&R) Film Music  
 Editor  
 Music Stringer  
 Arts Administrator/Manager Instrument  
 Service & Repair Specialist  
 Music Teacher  
 Church Music Director  
 Journalist  
 Music Therapist  
 Community Development Specialist  
 Manufacturers Representative  
 Musician  
 Composer/Arranger  
 Music Attorney  
 Orchestra Librarian  
 Conductor  
 Music Copyist  
 Piano Tuner  
 Copyright Specialist  
 Music Critic  
 Public Relations Specialist  
 Copywriter  
 Music Promoter  
 Publicist  
 Cruise Director  
 Music Publishing Specialist Recording  
 Technician  
 Disc Jockey  
 Music Reporter  
 Recreation Director  
 Royalties Broadcast Monitor Studio  
 Musician  
 Tour Manager  
 Sales Representative  
 Synthesizer Specialist  
 Union Contractor  
 Singer  
 Technical Writer  
 Voice Teacher  
 Acting Coach  
 Media Planner  
 Actor  
 Critic  
 Media Salesperson  
 Actress  
 Customer Service Manager  
 Mediator

### *Related Skills*

***Imagination & Creativity***

***Strong Communication  
Skills***

***Good Work Ethic***

***Flexibility***

***Basic Reading, Writing and  
Editing Skills***

***Presentation, Public  
Speaking Skills***

***Attention to Detail***

***Interpersonal Skills***

***Adaptability***

***Appreciation of Aesthetics***

***Interpretive Skills***

Admissions Director  
 Development Officer/Fund Raiser  
 Advertising/Marketing Specialist  
 Director  
 Model  
 Agent  
 Drama Coach  
 Movie Theater Manager  
 Amusement Park Entertainer Equipment  
 Operator  
 Narrator  
 Facilities Manager  
 Negotiator/Mediator  
 Announcer  
 Foreign Correspondent  
 Paralegal  
 Art Director  
 Playwright  
 Booking Manager  
 Human Resource Specialist Producer  
 Broadcast Journalist

## Four Year Plan Worksheet

Please Choose a Major Concentration (4 credits) (circle one)

**ENGLISH    MATH    SCIENCE    SOCIAL STUDIES**

Please Choose a Minor Concentration (4 credits) (circle one)

\***ENGLISH    MATH    SCIENCE    SOCIAL STUDIES**  
**ART    MEDIA ARTS    FINE ARTS MUSIC**  
**SPANISH    FRENCH**

Freshman Electives	Sophomore Electives	Junior Electives	Senior Electives
<p>Business Foundations</p> <p style="text-align: center;"><b>Art I</b></p> <p>Spanish I/II French I/II</p> <p style="text-align: center;"><b>Band Choir</b></p>	<p>PC Apps Internet Exploration Interactive Media for Web</p> <p style="text-align: center;"><b>Yearbook Art I/II</b></p> <p>Spanish I/II/III French I/II/III</p> <p style="text-align: center;"><b>Band Choir Pop Culture</b></p>	<p>Desktop Publishing Computer Aided Design Audio/Video Technology</p> <p style="text-align: center;"><b>Yearbook Art I/II/III</b></p> <p>Spanish I/II/III/IV French I/II/III</p> <p style="text-align: center;"><b>Band Choir Pop Culture</b></p> <p>Anatomy/Physiology Material Science Environmental Science</p> <p style="text-align: center;"><b>Psychology</b></p> <p><b>Weight Training (Sem.)</b></p> <p>Communications</p> <p>Study hall –can be taken as a sem. or year course</p>	<p>Business Law I Business Law II T.V. Production Computer Programming</p> <p style="text-align: center;"><b>Yearbook Art I/II/III/IV</b></p> <p>Spanish II/III/IV French II/III/IV</p> <p style="text-align: center;"><b>Band Choir Pop Culture</b></p> <p>Anatomy/Physiology Material Science Environmental Science</p> <p style="text-align: center;"><b>Psychology</b></p> <p><b>Weight Training (Sem.)</b></p> <p>Communications</p> <p>Study hall –can be taken as a sem. or year course</p>
<p><b>*You must take 2 (sem.) courses to = 1 elective</b></p>			

## Four Year Plan Worksheet

*Please circle choice or write in elective*

Freshmen	Sophomores	Juniors	Seniors
<p><b>Hon. English 9</b> or <b>English 9</b></p>	<p><b>Hon. English 10</b> or <b>English 10</b></p>	<p><b>Hon. English 11</b> or <b>English 11</b></p>	<p><b>Hon. English 12</b> <b>(CC+ option)</b></p> <p><b>AP English</b></p> <p>or</p> <p><b>English 12</b></p>
4 Credits of English Required			
<p><b>Honors Geometry</b> or <b>Algebra I</b></p>	<p><b>Hon. Geometry</b>  <b>Hon. Algebra II</b></p> <p>or</p> <p><b>Algebra II</b>  <b>Geometry</b></p>	<p><b>Pre-Calculus</b> or <b>Algebra II</b></p>	<p><b>Trigonometry/Calc.</b> or <b>Pre-Calculus</b> <b>College Alg./Stats</b> <b>Money Management</b></p>
4 Credits of Math Required			
<p><b>Honors Physical Science</b> or <b>Physical Science</b></p>	<p><b>Honors Biology</b> or <b>Biology I</b></p>	<p><b>Honors Chemistry</b> or <b>Chemistry</b> or <b>Anatomy/Physiology</b> or <b>Environmental Science</b></p>	<p><b>Physics</b> or <b>AP Chemistry</b> or <b>Anatomy/Physiology</b> or <b>Material Science</b></p>
3 Credits of Science Required			
<p><b>Honors World Studies</b> or <b>World Studies</b></p>	<p><b>Honors US History</b> or <b>American History</b></p>	<p><b>AP U.S. History</b> or <b>Government</b></p>	<p><b>AP Government</b> or <b>Psychology</b></p>
3 Credits of Social Studies Required			
<p><small>(Required)</small> <b>Physical Education</b></p> <p><b>Health</b></p>	<p>Elective</p>	<p>Elective</p>	<p>Elective</p>
<p>Elective</p>	<p>Elective</p>	<p>Elective</p>	<p>Elective</p>
<p>Elective</p>	<p>Elective</p>	<p>Elective</p>	<p>Elective</p>

**NORMAL BELL SCHEDULE**

<b>Period 1</b>	7:15 - 8:01
<b>Period 2</b>	8:05 - 8:49
<b>Period 3</b>	8:53 - 9:37
<b>Period 4</b>	9:41 - 10:25
<b><u>Primetime</u></b>	10:29 - 10:59
<b>Period 5</b>	11:03-12:21

<b>Lunch A</b>	11:03 - 11:33
<b>Lunch B</b>	11:47 - 12:21

<b>Period 6</b>	12:25 - 1:10
<b>Period 7</b>	1:14 – 2:00

**Early Dismissal**

<b>Period 1</b>	7:15 - 8:00
<b>Period 2</b>	8:04 - 8:47
<b>Period 3</b>	8:51 - 9:34
<b>Period 4</b>	9:38 - 10:20
<b>Period 5</b>	10:24-11:41

<b>Lunch A</b>	10:24 - 10:54
<b>Lunch B</b>	11:06 - 11:40

<b>Period 6</b>	11:44 - 12:27
<b>Period 7</b>	12:31 – 1:15

**Two Hour Delay**

<b>Period 1</b>	9:15 - 9:48
<b>Period 2</b>	9:52 - 10:24
<b>Period 3</b>	10:28 - 11:00
<b>Period 4</b>	11:04 - 11:36
<b>Period 5</b>	11:40-12:48

<b>Lunch A</b>	11:40 - 12:12
<b>Lunch B</b>	12:12 - 12:48

<b>Period 6</b>	12:52 - 1:24
<b>Period 7</b>	1:28 – 2:00



Test Date	Registration Deadline	(Late Fee Required)
June 13, 2015	May 4	May 9 - 22
Sept. 12, 2015	Aug. 8	Aug. 8 - 22
Oct. 24, 2015	Sept. 18	Sept. 19 - Oct. 2
Dec. 12, 2015	Nov. 6	Nov. 7 - 20
Feb. 6, 2016	Jan. 8	Jan. 9 - 15
April 9, 2016	March 4	March 5 - 18

#### **When Should I take the ACT?**

First Time—Spring of Sophomore Year or Fall of Junior Year.

\*\*Must have score to take a College Credit Plus (CC+) course

#### **What is the ACT?**

The ACT is a national college admissions examination that consists of subject area tests in:

English, Mathematics, Reading and Science.

The ACT Plus Writing includes the four subject area tests plus a 30-minute Writing test.

ACT results are accepted by all 4-year colleges and universities in the U.S.

The ACT includes 215 multiple-choice questions and takes approximately 3 hours and 30 minutes to complete, including a short break (or just over four hours if you are taking the ACT Plus Writing). Actual testing time is 2 hours and 55 minutes (plus 30 minutes if you are taking the ACT Plus Writing).

[www.actstudent.org](http://www.actstudent.org)



### **CONTACT INFORMATION**

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