

# VERMILION HIGH SCHOOL



## Course Guide 2021 - 2022

Revised 2/24/21

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**NON-DISCRIMINATION STATEMENT (TITLE IX)**

All of the courses, programs, and activities presented in this handbook are open to all students regardless of sex, provided that the students have met all established requirements. This policy meets all requirements and directions of the U.S. Department of Education under Title IX of the Education Amendments of 1972 as contained in Section 86 of the Federal Register, P. 24128

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# Introduction

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The Program of Studies is published and prepared by the high school administrators, counselors, and teachers.

The purpose of the Program of Studies is to inform students about course requirements needed to successfully meet the graduation requirements of the Vermilion Board of Education. During the period of course selection, teachers and counselors, working together with parents and students, will help to develop the best academic schedule possible for each student attending Vermilion High School.

The Program of Studies lists courses available to our students at Vermilion High as well as additional education options through EHOVE, Workforce Development, Credit Flexibility, and College Credit Plus (CCP). In each course, the student will earn a letter grade. The earned credit and grades are combined mathematically to determine the student's grade point average. Each grade carries a weight value. In Advanced Placement courses and College Credit Plus courses, the weight value may be greater.

Students earn credit toward graduation at Vermilion High School for each course passed. The school keeps a record of this credit. A personal record of courses passed should also be kept and used as a part of the student's overall high school plan.

As part of the procedure, students must pay attention to the following:

- Some courses have more CREDIT than others.
- Some courses are REQUIRED – A student must take and pass them.
- Some courses are ELECTIVE – A student may choose to take them.
- Every freshman and sophomore must take seven (7) courses per semester.
- Every freshman, sophomore, and junior is required to be enrolled in all four (4) core classes.
- The MINIMUM LOAD for seniors/juniors is five (5) courses per semester if you are on track for graduation. Seniors will be encouraged to take math and English every year.

# Policies & Planning

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## HOW TO PLAN YOUR HIGH SCHOOL EXPERIENCE

Students are encouraged to carefully create a plan that will assist them in reaching their educational career goals. It is suggested that students do the following:

- review all the curricular requirements for graduation,
- know and understand the recommended college preparatory curriculum,
- student athletes should pay close attention to the list of NCAA approved courses, and
- consider the curricular and other requirements for the Honors Diploma and any other special recognition.

## SCHEDULE CHANGES

Students and parents are urged to plan carefully as schedules are finalized at the end of the school year and will **not** be changed. Students are required to take a minimum number of courses each year. This “minimum course load” includes both required courses and elective courses.

**After May 31, 2021, changes will only occur when:**

- **there is a technical error in the scheduling process,**
- **there is a summer school attendance,**
- **there is a scheduling conflict, and/or**
- **course failure has occurred.**

**Please note: Any course withdrawn for reasons other than stated above may result in a failure in the course on a student transcript.**

# Vermilion Board of Education

## Graduation Requirements

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The Vermilion Board of Education shall award a high school diploma to every student enrolled in the District who meets the requirements of graduation established by the Board of Education and the Ohio Department of Education or who properly completes the goals and objectives specified in his / her individualized education plan (IEP).

Graduation Requirements: The Vermilion Board of Education requires all students to earn twenty-two (22) credits for graduation. In addition, students must meet the Ohio Department of Education's assessment requirements applicable to their graduation year. **Students must take six (6) credits his/her freshman, sophomore, and junior years, and five (5) credits his/her senior years.**

<b>Subject</b>	<b>Credit for Graduation</b>
English	<b>4</b> (English I, English II, English III, English IV)
Social Studies	<b>3</b> (World History, U.S. History, Government/Economics)
Mathematics	<b>4</b> (Algebra I, Geometry, Algebra II)
Science	<b>3</b> (Physical Science, Biology, Chemistry, Forensics)
Health	<b>0.5</b>
*Physical Education	<b>0.5</b>
Financial Literacy	Embedded in Social Studies III & AP Government curriculum if taken at Vermilion High School
Fine Arts	<b>1</b>
**Electives	<b>6</b>
Total Credits	<b>22</b>

\*Students who complete two (2) seasons of district-sponsored and approved interscholastic athletics, marching band (including majorettes and flag line) or cheerleading in grades 9-12 have the option of waiving the physical education requirement for graduation. Physical Education waiver forms are available in the School Counseling Office. Physical Education waiver forms are due two (2) weeks after the completion of the season and should be submitted to the Athletic Director.

If a student has not completed the ½ credit Physical Education requirement or has not turned in the waiver forms by his/her senior year, he/she will be scheduled into Physical Education classes. Students will not receive credit for these activities or the PE classes that are waived.

If a student is injured during the course of a season, he/she is still expected to attend practices, meetings, and games that are not limited by the medical illness or injury throughout the remainder of that season to qualify for the Physical Education waiver. Failure to meet this requirement will nullify the potential for a Physical Education waiver. A student who quits or is dismissed from the team is ineligible to earn the Physical Education waiver for the season in question. This includes dismissal for violating team, athletic department, or school rules. Any student who is academically ineligible for the sport or activity is not permitted to apply for a Physical Education waiver.

Students must waive both required Physical Education classes to meet the ½ credit of Physical Education for graduation. Two (2) waiver forms must be submitted.

\*\*Elective units must include one of any combination of foreign language, fine arts, career-technical education, technology, language arts, mathematics, science, or social studies courses not otherwise specified. Students following a career-technical pathway may be exempted from the fine arts requirement.

**A NOTE TO PARENTS AND STUDENTS REGARDING GRADUATION REQUIREMENTS:**

It is the responsibility of the student and parent to see that the requirements for graduation are met. The high school will keep up-to-date records and make every effort to keep students and parents informed about the status of progress toward compiling the necessary coursework for graduation requirements.

# State of Ohio Graduation Requirements

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## OHIO GRADUATION REQUIREMENTS CLASS OF 2022 (See Diagram on Page 8)

Students are required to meet state graduation requirements. In addition to their required academic coursework, one of the following three options must be met:

**PATHWAY #1:** Students must earn a total of 18 points on the seven (7) end-of-course Ohio state tests. These tests include Algebra I, Geometry, English I, English II, Biology, American Government, and American History. Students can earn 1-5 points on each of these tests. Students will be given multiple opportunities to take tests and earn points. Those students who score a three (3) or better will not be re-tested on that assessment. To ensure students are well rounded, they must earn a minimum of four (4) points in math, four (4) points in English and six (6) points across science and social studies. Four (4) additional points are needed to meet the minimum of 18.

<b>LIMITED</b>	<b>1 POINT</b>
<b>BASIC</b>	<b>2 POINTS</b>
<b>PROFICIENT</b>	<b>3 POINTS</b>
<b>ACCELERATED</b>	<b>4 POINTS</b>
<b>ADVANCED</b>	<b>5 POINTS</b>

**PATHWAY #2:** Students must earn a set number of points through a State Board of Education-approved, industry-recognized credential or group of credentials in a single career field and achieve a workforce readiness score on the WorkKeys assessment. The number of points a student must earn on the industry credentials and the required readiness score on the WorkKeys assessments are both determined by the Ohio Department of Education. The State of Ohio will pay one time for those who take the WorkKeys assessment.

**PATHWAY #3:** Students must earn “remediation-free” scores in English language arts and mathematics on a nationally recognized college admission exam (SAT or ACT). The State of Ohio will pay one time for all 11th grade students to take the exam free of charge.

SCORES FOR ACT		SCORES FOR SAT	
Writing	18	Writing	430
Reading	22	Reading	450
Math	22	Math	520

## Ohio and Vermilion High School Graduation Requirements Classes of 2021 & 2022

### 1 - Cover the Basics\*

Earn 22 Credits

						
4 credits Mathematics	4 credits English Language Arts	3 credits Social Studies	3 credits Science	.5 credit Health & .5 P.E.	1 credit Fine Arts	6 credits Electives

### 2 - Show You Are Ready

Earn 18 Points on Ohio State Tests OR Show College & Career Readiness

	OR		OR	
--	----	--	----	---

OR

### 2 - Show Competency & Show Readiness

Choose 1 Pathway AND Earn 2 Seals\*\*

<p>OR</p>  <p>OR</p>  <p>OR</p> 	and	           
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\*\* At least one of the two must be Ohio-designed.

\*\*\*Denotes Local Seal

Ohio and Vermilion High School Graduation Requirements

Classes of 2023 & Beyond

FIRST

SECOND

THIRD

Cover the Basics\*

Show Competency

Show Readiness

 Earn 22 Credits

 Demonstrate Competency

 Earn 2 Seals\*\*



4 credits  
Mathematics



4 credits  
English  
Language Arts



3 credits  
Social Studies



3 credits  
Science



.5 credit Health  
& .5 P.E.



1 credit  
Fine Arts



6 credits  
Electives



Earn a "competency" score on the Algebra I and ELA II OST/End of Course Tests and take Biology, Geometry, US History & Government Tests.

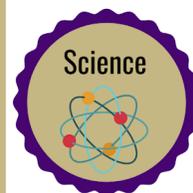
OR



OR



OR



\*\* At least one of the two must be Ohio-designed  
\*\*\*Denotes Local Seal

## EARLY GRADUATION

Notification for early graduation will be submitted to the high school principal in accordance with board policy. The principal may honor this request if all conditions for graduation are met and the student fulfills the graduation requirements. Regardless of actual date of graduation, each student must meet the Ohio graduation requirements based on his/her freshman year of entry into high school. Notification must be in writing and include a school counselor endorsement and transcript review. The deadline for consideration for early graduation is **October 31st** of the academic year the student wishes to graduate.

## TRANSFER STUDENTS

Students who transfer into Vermilion High School are given the opportunity to be rated equally with students who have been in attendance throughout their high school career. Grade placement of new students depends upon review of academic records by the school counselors and administration. Transfer students will receive the add-on value *only* in those courses determined by VHS add-on policy when compiling students' GPA and class rank. Transfer students' grades and credits from his/her previous high school transcripts will be recognized; however, such students will not have established class rank for purposes of graduation honors, such as valedictorian, etc, until they have completed four (4) semesters at Vermilion High School.



## MILITARY ENLISTMENT

The United States Military is made up of 5 branches, each with their own active-duty and part-time components. These include the Air Force, the Army, the Marine Corps, the Coast Guard, and the Navy. Each varies in service commitment, location and how its members contribute to the overall mission of protecting our country, though all components are on the same rank-based pay scale. Below are a few different ways that high school graduates can take part in the military. Please discuss these options with your school counselor if you are interested in a career in the military. More information can be found at <https://www.usa.gov/join-military>.

### Active Duty

The student would begin this process by speaking with a recruiter. Following that, a physical and vocational aptitude test would be given to determine if the student qualifies for the military and the best suited career type while in the military. Typical time commitment is 4-5 years. Students enlisted in the military are usually not attending college after high school but do receive educational benefits that they can use after their time in the military or even possibly during their enlistment.

### ROTC

Reserve Officers' Training Corps (ROTC) is a college program that trains students to become officers in the military. There are college scholarships associated with the ROTC programs. The most common ROTC scholarship allows a student to participate in the ROTC program for the first two years of college without a monetary incentive and then have the option to enroll in the ROTC Advanced Course. If the student chooses to enroll in the ROTC Advanced Course, they are obligated to serve time with the military. There are also four-year ROTC scholarships, which also require the student to serve in the military after graduating from college.

### Military Academy

A military academy is a four-year college. Students attending one of these schools receive a full four-year scholarship that is valued at more than \$350,000 (tuition, room and board, medical and dental care and a monthly salary). Students are required to fulfill an obligation to the military upon graduation. The admissions process for military academies is quite extensive. Students interested in this option need to begin researching the application process in the sophomore year of high school. Selection at the military academies is based on scholastic achievements, involvement in school and community activities, leadership achievements and athletic achievements. Students are also required to obtain a congressional or presidential/military nomination to be considered.

# Other Diploma Options

To earn one of the following diploma options, students must complete all but one of the criteria listed for each honors diploma described unless otherwise stated.



## STATE OF OHIO ACADEMIC HONORS DIPLOMA

### ACADEMIC HONORS DIPLOMA

<b>Math</b>	4 units (Algebra I, Geometry, Algebra II or equivalent and another higher level course)
<b>Science</b>	4 units, including 2 units of advanced science (Chemistry, Honors Chemistry, Physics, AP Physics, CCP Science, Intro to Anatomy, Intro to Physiology)
<b>Social Studies</b>	4 units
<b>World Languages</b>	3 units of one world language, or no less than 2 units of each of two world languages studied
<b>Fine Arts</b>	1 unit
<b>GPA</b>	3.5 on a 4.0 scale (unweighted)
<b>ACT/SAT</b>	ACT: 27 or higher/SAT: 1280 or higher



## STATE OF OHIO CAREER-TECH HONORS DIPLOMA (EHOVE students only)

### CAREER-TECH HONORS DIPLOMA

<b>Math</b>	4 units (Algebra I, Geometry, Algebra II or equivalent and another higher level course)
<b>Science</b>	4 units, including 2 units of advanced science
<b>Social Studies</b>	4 units
<b>World Languages</b>	2 units of one world language
<b>Electives</b>	4 units of career-technical courses
<b>GPA</b>	3.5 on a 4.0 scale (unweighted)
<b>ACT/SAT/WorkKeys</b>	ACT: 27 or higher/SAT: 1280 or higher/WorkKeys: 6 or higher on Reading for Information and 6 or higher on Applied Mathematics

<b>Field Experience</b>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
<b>Portfolio</b>	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus.
<b>Additional Assessments</b>	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent.



## STATE OF OHIO STEM HONORS DIPLOMA

### STEM HONORS DIPLOMA

<b>Math</b>	5 units (Algebra I, Geometry, Algebra II or equivalent and two other higher level courses)
<b>Science</b>	5 units, including 2 units of advanced science
<b>Social Studies</b>	3 units
<b>World Languages</b>	3 units of one world language, or no less than 2 units of each of two world languages studied
<b>Fine Arts</b>	1 unit
<b>Electives</b>	2 units with a focus in STEM (Robotics I, Robotics II)
<b>GPA</b>	3.5 on a 4.0 scale (unweighted)
<b>ACT/SAT</b>	ACT: 27 or higher/SAT: 1280 or higher
<b>Field Experience</b>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus
<b>Portfolio</b>	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus



## STATE OF OHIO ARTS HONORS DIPLOMA

### ARTS HONORS DIPLOMA

<b>Math</b>	4 units (Algebra I, Geometry, Algebra II or equivalent and another higher level course)
<b>Science</b>	3 units, including 1 unit of advanced science

<b>Social Studies</b>	3 units
<b>World Languages</b>	3 units of one world language, or no less than 2 units of each of two world languages studied
<b>Fine Arts</b>	4 units
<b>Electives</b>	2 units with a focus in fine arts
<b>GPA</b>	3.5 on a 4.0 scale (unweighted)
<b>ACT/SAT</b>	ACT: 27 or higher/SAT: 1280 or higher
<b>Field Experience</b>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus
<b>Portfolio</b>	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus



## STATE OF OHIO SOCIAL SCIENCE AND CIVIC ENGAGEMENT HONORS DIPLOMA

### SOCIAL SCIENCE AND CIVIC ENGAGEMENT HONORS DIPLOMA

<b>Math</b>	4 units (Algebra I, Geometry, Algebra II or equivalent and another higher level course)
<b>Science</b>	3 units, including 1 unit of advanced science
<b>Social Studies</b>	5 units
<b>World Languages</b>	3 units of one world language, or no less than 2 units of each of two world languages studied
<b>Fine Arts</b>	1 unit
<b>Electives</b>	3 units with a focus in social sciences and/or civics
<b>GPA</b>	3.5 on a 4.0 scale (unweighted)
<b>ACT/SAT</b>	ACT: 27 or higher/SAT: 1280 or higher
<b>Field Experience</b>	Complete a field experience and document the experience in a portfolio specific to the student's area of focus
<b>Portfolio</b>	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus



## VERMILION HIGH SCHOOL DIPLOMA OF SERVICE

This award will be given to those students who have demonstrated a commitment to community service throughout high school. Students will need to complete 50 hours of service outside of the normal school day and separate from other community service requirements for academic classes. Students must submit a Diploma of Service form to the school counseling office by **May 1st** of the graduating year. Any student who completes the requirements of this diploma will also have earned the Community Service Seal on his or her diploma. This seal will replace the Diploma of Service starting with the Class of 2023.

### COURSE RECOMMENDATIONS FOR COLLEGE BOUND STUDENTS

Students who plan to attend college are advised to take courses which will prepare them for the college experience.

It should be noted that the minimum requirements for the high school diploma do not necessarily meet the entrance requirements for post high school education. The following are the Ohio Board of Regents' recommendations for a college preparatory program:

- 4 CREDITS OF LANGUAGE ARTS**
- 4 CREDITS OF MATHEMATICS**
- 3 CREDITS OF SCIENCE**
- 3 CREDITS OF SOCIAL STUDIES**
- 2 CREDITS WORLD LANGUAGES\***
- 1 CREDIT OF FINE ARTS\*\***

\* **WORLD LANGUAGES:** Must be in same language; some universities prefer 3 years of the same language.

\*\***FINE ARTS:** All drama, choir, instrumental, and visual arts courses count as fine arts credit.

*As requirements vary from university to university, students are strongly encouraged to check the latest policies regarding course requirements with each university or college admissions office.*

### GRADING POLICY

The following reporting code and quality point scale is used to determine grade point averages and serves as criteria for course averaging when grades are used. The Vermilion High School staff will observe the following marking system for grades 8 through 12. The grade earned in each course will be calculated per quarter. Semester grades will appear on the transcript and calculated into the student's cumulative GPA. Half credits will be issued on transcripts for all successfully completed courses. Exceptions include Physical Education, Marching Band Auxiliary and Jazz Band, which are one-quarter credits. Grades are calculated on a 4.33 scale and carry the numerical values listed below.

Letter Grade	Percentage	Point Value
A+	99 – 100	4.33
A	93 – 98	4.00
A-	90 – 92	3.67
B+	87 – 89	3.33
B	83 – 86	3.00
B-	80 – 82	2.67
C+	77 – 79	2.33
C	73 – 76	2.00
C-	70 – 72	1.67
D+	67 – 69	1.33
D	63 – 66	1.00

D-	60 – 62	0.67
F	Below 60	0.00
P	Pass	0.00
I	Incomplete	0.00
W	Withdrawn	0.00

Teachers may assign a plus (+) or a minus (-) to a letter grade to indicate the level of achievement.

### WEIGHTED GRADING

The add-on factor will be 0.5 quality points to final grades of C- or better (70% or higher). A student's transcript will include his or her GPA both with the weighted scale, using the add-on value, and the 4.0 grading scale. The weighted grading and the add-on factor will not be retroactive.

<b>WEIGHTED COURSES</b>	
ENGLISH	Honors English I Honors English II CCP College Composition I & II CCP Introduction to Fiction CCP Introduction to Poetry AP English Literature AP English Language and Composition
MATH	Honors Algebra I Honors Geometry Honors Algebra II Pre-Calculus CCP College Algebra CCP Pre-Calculus Calculus AP Calculus AP Statistics
SCIENCE	Honors Physical Science Honors Biology Honors Chemistry Physics CCP General Biology CCP Intro to Ecology AP Physics
SOCIAL STUDIES	Honors Social Studies I Honors Social Studies II CCP US History I & II AP Psychology AP Government
WORLD LANGUAGES	French IV Spanish IV

## ACADEMIC ELIGIBILITY FOR STUDENT ATHLETES

Vermilion High School extracurricular participants must follow the OHSAA Guidelines for Student Athletic Eligibility. In addition, our students must maintain a minimum of a 1.5 GPA with no more than one (1) F in the preceding nine-week grading period.

- 8th grade students must receive passing grades in a minimum of five (5) subjects that receive a grade in the preceding nine (9) weeks.
- 9th - 12th grade students must have received passing grades in a minimum of five (5) one-credit courses, or the equivalent, in the preceding grading period.

Summer school grades may not be used to substitute for failing grades received or lack of courses taken in the final grading period.

## NCAA ELIGIBILITY FOR STUDENT ATHLETES

As NCAA eligibility requirements are subject to change, it is imperative that student-athletes (especially juniors and seniors and/or parents) meet with the respective counselor **immediately** at the start of the year to acquire and review a copy of the “NCAA Initial-Eligibility/Clearinghouse” (or current publication). Based upon this review it may be necessary to initiate immediate schedule changes in order to satisfactorily meet or exceed the NCAA requirements for coursework, GPA, and / or standardized test scores.

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## NCAA APPROVED COURSES

<b>ENGLISH</b>		
AP Language and Composition	English I	Honors English I
AP English Literature	English II	Honors English II
CCP College Composition I	English III	Honors English III
CCP College Composition II	English IV	Honors English IV
CCP Intro to Fiction		
CCP intro to Poetry		
<b>SOCIAL STUDIES</b>		
AP Government	Psychology I	Social Studies III
AP Psychology	Psychology II	Honors Social Studies I
CCP US History I	Sociology	Honors Social Studies II
CCP US History II	Social Studies I	Honors Social Studies III
Modern Global Studies	Social Studies II	
<b>MATHEMATICS</b>		
Algebra I	Calculus	Geometry
Algebra II	AP Calculus	Honors Algebra II
AP Statistics	CCP College Algebra	Honors Geometry
Statistics	CCP Pre-Calculus	Integrated Math III
Pre-Calculus		
<b>SCIENCE</b>		
Physical Science	Biology	AP Physics
Honors Physical Science	Honors Biology	Astronomy
CCP General Biology	Chemistry	Forensic Investigations

**ADDITIONAL CORE COURSES**

French I  
French II  
French III  
French IV

Spanish I  
Spanish II  
Spanish III  
Spanish IV

# Standardized Testing Guide

**OHIO END-OF-COURSE STATE TESTS**

The Ohio end-of-course state tests are a required graduation component involving the core disciplines. Students must earn collective scores of 4 points each on math and English end-of-course exams, and an overall total of at least 18 points. The table below shows the grade students will typically take each exam. Students scoring below proficient on any given test (a score of 1 or 2 points), will have opportunities to retake the test.

**Class of 2022**

Grade 9	Grade 10	Grade 11	End-of-Course Scoring Guide:
English I Algebra I	English II Geometry Biology US History	Government	<b>LIMITED</b> <b>1 POINT</b> <b>BASIC</b> <b>2 POINTS</b> <b>PROFICIENT</b> <b>3 POINTS</b> <b>ACCELERATED</b> <b>4 POINTS</b> <b>ADVANCED</b> <b>5 POINTS</b>

**Class of 2023 & Beyond**

Grade 9	Grade 10	Grade 11
Algebra I*	English II* Geometry Biology US History	Government

*\*Proficient score of 684 required for graduation.*

**ACCUPLACER ASSESSMENT**

The Accuplacer is a computerized placement assessment, often used to determine student placement in College Credit Plus (CCP) courses. Academic advisors and counselors at your college or technical school use your ACCUPLACER test results to help place you in classes that match your skill level. ACCUPLACER tests help identify your knowledge, strength, and needs in math, reading, and writing. Along with information about your academic background, goals, and interests, your ACCUPLACER results help you choose college courses that match your skill level and give you the best opportunities for success.



### ASVAB TEST

The Armed Services Vocational Aptitude Battery is the most widely used multiple-aptitude test battery in the world. As an aptitude test, the ASVAB measures your strengths, weaknesses, and potential for future success. The ASVAB also provides you with career information for various occupations and is an indicator for success in future endeavors whether you choose to go to college, vocational school, or a military career.

### PSAT TEST

The Preliminary SAT / National Merit Scholarship Qualifying Test (PSAT/NMSQT) is a standardized test that provides first-hand practice for the SAT®. It provides access to college and career planning tools. The PSAT measures critical reading skills, math problem-solving skills, and writing skills. This test will offer feedback on academic strengths and weaknesses on skills necessary for college study.



### ACT TEST

The ACT® Assessment is a widely accepted college admissions test that assesses high school students' general educational development and their ability to complete college-level work. The multiple-choice tests cover four skill areas: English, math, reading, and science. The ACT composite score is on a scale of 1 – 36 for all four sections. The writing test, which is optional, measures skill in planning and writing a short essay. Check each prospective college's requirements to see if you must take the ACT Writing test. A number of factors affect the decision about when to take the ACT test. Testing in the spring of the junior year gives time to take the test a second time. **All Vermilion High School juniors will be given the test for free one time at school.** Visit the ACT website at [www.actstudent.org](http://www.actstudent.org) for more information.



### SAT REASONING TEST

The SAT Reasoning Test® is typically taken by high school juniors and seniors. It tells students how well they use the skills and knowledge they have attained in and outside of the classroom including how they think, solve problems, and communicate. Each section of the SAT is scored on a scale of 200-800, with two writing subscores for multiple-choice questions and the essay. It is administered seven times a year. Visit the website at [www.collegeboard.com](http://www.collegeboard.com) for more information.

### SAT SUBJECT TESTS

SAT Subject Tests cover core subjects in English, history, mathematics, the sciences, and languages. The tests are one-hour, primarily multiple-choice, curriculum-based assessments of knowledge and skills in particular subject areas. Students can learn about which colleges require or recommend Subject Tests on individual college websites. Universities can use Subject Test scores to help determine how well prepared you are for different college programs, placement in first-year college or higher-level courses, and academic advising for course selection. Visit the website at [www.collegeboard.com](http://www.collegeboard.com) for more information.

## Awards

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**NOTE:** All senior academic recognition and awards are based upon the first seven (7) semesters of coursework.

### ACADEMIC HALL OF FAME

Students who meet all the following academic requirements will be inducted into the Vermilion High School Academic Hall of Fame:

- Cumulative GPA or 4.15 or higher on the weighted scale
- ACT composite score of 27 or higher or SAT CR+M score of 1220 or higher

- At least four full-year courses designated Advanced Placement (AP) or College Credit Plus (CCP)

## REPORT CARD HONORS

<b>Distinguished Honor Roll</b>	<b>High Honor Roll</b>	<b>Honor Roll</b>	<b>Merit Roll</b>
4.00 and above GPA	3.67 to 3.99 GPA	3.33 to 3.66 GPA	3.00 to 3.32 GPA
No grade below A	No grade below A-	No grade below B-	No grade below C

## VALEDICTORIAN AND SALUTATORIAN

Students must be enrolled in Vermilion High School for four (4) semesters during his/her junior and senior year to be eligible for recognition as the valedictorian and salutatorian at graduation.

In the event of a tie, the student(s) who are considered first in the class will receive a class rank of 1, while the student(s) considered second in the class will receive the cardinal value as it pertains to the number of students ahead of the individual in the class. For example, if four (4) students tie for first place, each will be ranked as first in the class. The next individual will be ranked fifth in the class.

## TOP TEN

A student's class ranking will be determined by grade point average after the completion of seven (7) semesters of high school. The top ten will be recognized at commencement.

## OUTSTANDING DEPARTMENT STUDENTS of the Year

The faculty in each department will select two (2) students each semester per grade level as outstanding department students. Students may be selected based on achievement, improvement, and/or attitude.

## ACADEMIC VARSITY LETTERS AND PINS

The following are the criteria for awarding academic letters and pins:

- All academic achievement points must be accumulated from Vermilion High School.
- A student (grades 9-12) must accumulate twenty (20) points. This letter will be awarded at the end of the third quarter of the year in which it was earned. If a senior earns a letter or pin during his/her fourth quarter, that letter or pin will be available at the end of the fourth quarter.
- A student will receive a pin for each twenty (20) point accumulation beyond the original twenty (20) point letter. Surplus points may be carried to the next academic year.

Points may be accumulated from the following areas: academic achievement, academic activities, and academic honors.

Academic Achievement points will be awarded from only one (1) honor or merit roll per semester:

- Distinguished Honor Roll: Eight (8) points
- High Honor Roll: Six (6) points
- Honor Roll: Four (4) points
- Merit Roll: Two (2) points
- Outstanding Department Student of the Year: one (1) point

The following academic activities will be awarded one (1) point:

- Academic Challenge
- Model U.N.
- National Forensic League

The following tests will award one-half ( $\frac{1}{2}$ ) point for taking the exam and one-half ( $\frac{1}{2}$ ) point if the student places:

- Advanced Placement
- National French Exam
- National Spanish Exam

The following points will be awarded one (1) time based on a student's best score for college entrance exams:

- ACT composite score of 22 or 23: One (1) point
- ACT composite score of 24 or above: Two (2) points
- SAT combined score (Reading and Math) of 900-1050: One (1) point
- SAT combined score (Reading and Math) of 1051 or above: Two (2) points

The following academic honors will receive one (1) point upon induction:

- National Honor Society
- National Technical Honor Society

The following academic honors will receive one-half ( $\frac{1}{2}$ ) point upon induction:

- National French Honor Society
- National Spanish Honor Society

The National Merit Scholarship honors will be awarded based on a student's performance on the PSAT/NMSQT test taken during junior year:

- Commended student: Three (3) points
- Semi-Finalist: Four (4) points
- Finalist: Five (5) points

*The responsibility for reporting the qualified student and points earned will rest on the sponsor or advisor of said activity.*

# Special Programs

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## HONORS AND ADVANCED PLACEMENT (AP) COURSES

An Honors and/or Advanced Placement student is academically talented, disciplined, highly motivated, and willing to accept the challenges of these courses. A student must successfully complete the prerequisites for the course and maintain a high level of performance. An honors and/or Advanced Placement student must accept additional responsibilities and commitment. Weighted grades are given to AP courses to compensate for high expectations: **The AP courses are designed to be the equivalent of a first year college course. As such, the curriculum and expectations are of a high level. Among the Vermilion expectations for AP is participation by all students in the national AP exams administered in May.** The cost for each AP test is paid by the student or student's family. Exams are given in May on predetermined dates established by the College Board.

Students and parents should be very sensitive to the demanding nature of honors and/or Advanced Placement courses. Reading expectations for the classes are extensive. Students will be asked to be involved in college level activities, particularly in the areas of writing skills and test taking. Advanced Placement courses place a high degree of emphasis on the student's own self-motivation, study skills, and the ability to self-direct his or her own learning. Students should carefully determine the number of honors and/or Advanced Placement courses they are capable of successfully completing in a year's schedule. Most Advanced Placement courses have required graded summer work.

## **COLLEGE CREDIT PLUS (CCP)**

A student enrolled at Vermilion High School may be eligible to participate in the College Credit Plus Program. This is an opportunity for students to take classes at eligible post-secondary institutions. The institutions include community colleges, post-secondary vocational technical institutions, state universities, and select private colleges and universities. Some College Credit Plus courses may be offered by Lorain County Community College on our Vermilion High School campus. All eligibility requirements for College Credit Plus apply to on-site courses as well. The purpose of this program is to promote rigorous academic pursuits and to provide a wider variety of options to high school students. Students interested in this program must meet Vermilion High School graduation requirements plus any enrollment requirements the post-secondary institutions may have. The legislation for this program requires parents and students receive counseling regarding the program from the post-secondary site and that a letter of intent for the 2021-2022 school year be submitted to the School Counseling Office no later than **May 1, 2021**.

**Students accepted into the CCP (College Credit Plus) program must complete the college placement test and work with a college advisor regarding course placement.**

## **CREDIT FLEXIBILITY**

This education option gives students a way to be in charge of their learning. The key to this option is that the student drives the request to learn differently as well as the plan to earn the credit. The student and family talks with the principal, counselor and teachers about the way to fulfill the student's request and to meet the requirements for earning a high school credit or credits. Students may select from many different options such as distance learning, online coursework, tutorial programs, independent study, educational travel, project portfolios, and mentorship/internship. The credit flexibility committee approves the plan, which includes instructional and performance objectives, description of criteria and methods for assessing student performance, and an outline of specific instructional activities, material and learning environments. Credit flexibility application forms should be directed to the high school administration by May 31 of the previous school year.

## **JUNIOR/SENIOR SIGN-OUT**

Junior/Senior sign-out is a program of privilege for students that are in good standing both academically and behaviorally. Seniors may elect to be off-campus up to two (2) periods a day with a signed Junior/Senior Release form by a parent. Students with sign-out may also leave the building for lunch. This privilege may be lost if the student fails to follow the school rules and release guidelines as listed on the application. A copy of the program's authorization form is available in the main office and must be signed by the parent(s)/guardian(s) and student and returned to the main office.

## **WORKFORCE DEVELOPMENT**

Vermilion High School offers many options for students within a traditional school setting. However, traditional education does not always meet individual student needs. Our Workforce Development Program is a self-paced, competency-based educational opportunity with an open entry/exit policy and flexible scheduling. This makes it possible for motivated students to earn a diploma by working one-on-one with licensed teachers/tutors outside the traditional classroom environment. This program relies on a curriculum designed around ACT's WorkKeys assessments for cognitive skills leading to entry into the workforce, the military, or post-secondary educational opportunities.

Credit is earned and recorded on a transcript, and graduates are awarded the benefits of a Vermilion High School diploma. Refer to our Career Readiness course options to earn credit for employment preparation and experience.

### **EHOVE CAREER CENTER**

EHOVE Career Center is located in Milan, Ohio and offers opportunities for students wishing to get a head start toward a career by offering Career Tech skills and a number of industry-recognized certifications. Students typically apply to EHOVE starting in November of their sophomore year. Enrollment is competitive and limited and students that commit to EHOVE are required to attend for the first two (2) weeks before deciding to return to Vermilion High School. Selection is based on cumulative GPA, attendance, grades, high school credits earned, and disciplinary record. A student will receive a Vermilion High School diploma upon successful completion of the two years at EHOVE. Interested students should check with their school counselor about the various course offerings at EHOVE, application procedures, and credit needed.

To avoid credit deficiency, a student should have completed the following required courses in the 9th and 10th grades prior to EHOVE registration: (MINIMUM)

**2 CREDITS OF ENGLISH**

**2 CREDIT OF MATHEMATICS**

**2 CREDITS OF SCIENCE**

**2 CREDITS OF SOCIAL STUDIES**

**½ CREDIT OF HEALTH**

**½ CREDIT OF PHYSICAL EDUCATION**

**9 TOTAL CREDITS**



# EHOVE Career Tech Programs

(Click on the green links below to find out more about each program listed.)

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Through an EHOVE program of study, a student may earn the Industry-Recognized Credential Seal on their diploma with completion of a 12-point approved industry-recognized credential or group of credentials totaling 12 points in a single career field.

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## HEALTH SCIENCE

## ENGINEERING & TRADES

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[Exercise Science & Rehab Therapy](#)

[Construction Tech](#)

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[Medical Careers](#)

[Electrical Tech](#)

---

[Engineering Tech](#)

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## ART & TECHNOLOGY

[Industrial Tech](#)

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[Computer & Networking Technologies](#)

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[Cybersecurity](#)

## EDUCATION & SERVICES

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[Visual & Interactive Media](#)

[Cosmetology](#)

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[Culinary Arts](#)

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## PUBLIC SAFETY

[Early Childhood Education](#)

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[Criminal Justice](#)

[Education & Family Careers](#)

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[Firefighter/EMT](#)

[Teacher Academy](#)

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**BUSINESS**

**TRANSPORTATION SYSTEMS**

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**Business & Marketing**

**Auto Tech**

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**Job Connections**

**Collision & Refinishing**

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**Diesel Tech**

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**EMPLOYABILITY**

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**Career Based Intervention**

**SOPHOMORE PROGRAMS**

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**Fast Forward**

**Career Exploration**

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**Explore STEM**

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# VHS Activities & Athletics

A student may earn the Student Engagement Seal on their diploma by participating in 3 seasons or 3 years of an extracurricular activity.

## ACTIVITY / ATHLETIC GUIDE

The complete Student Activity Guide can be found on the [www.vermilionschools.org](http://www.vermilionschools.org) website at High School > Athletics > Student Activity Guide.

## ACTIVITY OPTIONS FOR 2021-2022

Academic Challenge, Grades 9-12	Pep Band, Grades 8-12
Art Club, Grades 8-12	Principal's Advisory Council, Grades 8-12
Book Club, 8-12	Senior Board, Grade 12
Chess Club, Grades 8-12	Ski & Snowboard Club, Grades 8-12
Drama Club, Grades 8-12	Soundsation, Grades 9-12
Games Club, Grades 8-12	Speech & Debate, Grades 8-12
Leo Club, Grades 8-12	Spring Musical, Grades 8-12
Mock Trial, Grades 9-12	Student Council, Grade 8
Model UN, Grades 9-12	Student Council, Grades 9-12
Move 2 Stand, Grades 8-12	Winter Guard, Grades 8-12
National Honors Society, Grades 11-12	

## ATHLETIC OPTIONS FOR 2021-2022

For a complete list of athletic offerings, please visit <https://vermilionathletics.org/>.

Baseball	Soccer
Basketball	Softball
Bowling	Swimming
Cheer	Tennis
Cross Country	Track & Field
Football	Volleyball
Golf	Wrestling

# Vermilion High School Core Course Sequences

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## VHS English Department Recommended Course Sequence

8th grade	9th grade	10th grade	11th grade	12th grade
	English I	English II	English III	English IV
English 8	Honors English I	Honors English II	AP English Language/ ENGL 161/162	CCP ENGL 161/162  AP English Literature/ ENGL 255/257
Honors English 8	Honors English I	Honors English II	AP English Language/ ENGL 161/162	AP English Literature/ ENGL 255/257
	Other Electives: Theater Creative Writing Broadcast Journalism Yearbook Speech			

**VHS Math Department Recommended Course Sequence**

8th grade	9th grade	10th grade	11th grade	12th grade
	Algebra I Pt. 1	Algebra I Pt. 2	Geometry	Algebra II
Math 8	Algebra I	Geometry	Algebra II	Statistics
				Pre-Calculus
	Honors Algebra I	Honors Geometry	Honors Algebra II	CCP College Algebra & CCP Pre-Calculus
Algebra I	Geometry	Algebra II	Pre-Calculus	AP Calculus AB
				AP Statistics
Honors Algebra I	Honors Geometry	Honors Algebra II	CCP College Algebra & CCP Pre-Calculus	AP Calculus AB
				AP Statistics
Honors Geometry	Honors Algebra II	CCP College Algebra & CCP Pre-Calculus	AP Calculus AB	AP Calculus BC

**VHS Science Department Recommended Course Sequence**

8th grade	9th grade	10th grade	11th grade	12th grade
Science 8	Physical Science	Biology	Forensic Investigations	Forensic Investigations
	Honors Physical Science	Honors Biology	Forensics and the Law	Forensics and the Law
Honors Science 8	Honors Physical Science	Honors Biology	Chemistry	Infectious Diseases
			Honors Chemistry	Intro to Anatomy
			Honors Chemistry	Intro to Physiology
				Astronomy
				Physics
			Other Electives: -Infectious Diseases -Intro to Anatomy -Intro to Physiology -Astronomy -CCP Biology -CCP Ecology	CCP Ecology 165
	CCP Biology 151			
	AP Physics			

**VHS Social Studies Department Recommended Course Sequence**

8th grade	9th grade	10th grade	11th grade	12th grade
	Social Studies I (World)I	Social Studies II (U.S)	Social Studies III (Gov/Econ)	Sports History
Social Studies 8	Honors Social Studies I	Honors Social Studies II	AP Government	History & Film
				Modern Global Studies
				Sociology
Honors Social Studies 8	Honors Social Studies I	Honors Social Studies II	AP Government	Psychology I & II
				CCP US HIST 161
		Other Electives: -Sports History -History & Film	Other Electives: -Sociology -Psychology I -Psychology II Sports History -History & Film AP Psychology -CCP US HIST 161 -CCP US HIST 162	CCP US HIST 162
				AP Psychology

# Vermilion High School Course Descriptions

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The remainder of this document lists and describes the course offerings at Vermilion High School for the upcoming school year. If the number of students signed up for a course falls below a minimum class size during registration and/or final scheduling, a careful evaluation will be made of all factors associated with offering the course. Administration may decide to not offer a course and students will be notified of the need to select another course. When scheduling, students should read the provided course descriptions to make their choices during the scheduling period. **Courses having the prerequisite of LCCC acceptance requires students to test college-ready.**

## Career Readiness

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### **CBI RELATED**

**GRADES 9-12**

**LENGTH 36 WEEKS**

**1 CREDIT**

This program helps students to become focused on graduation and their future career path. You will learn employability skills such as how to look on-line for a job, complete an online application, and techniques for successful interviewing. Also covered in this course are occupational information, career education, consumer education, and related topics. Students will leave this class with an Individual Career Plan.

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### **CBI LAB**

**GRADES 9-12**

**LENGTH 36 WEEKS**

**1-3 CREDITS**

Earn while you learn. The CBI program will provide a combination of educational and work-based learning opportunities for student success. Work based learning is a requirement for all students enrolled in this class. Once a CBI student's academic class time is complete, the remainder of the day is spent working in establishments of cooperating employers for which they receive wages, training and high school credit. The major objective of the CBI program is to assist students in earning their high school diploma, and develop attitudes and aptitudes employed in future occupations.

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### **INDUSTRY-RECOGNIZED CREDENTIALING**

**GRADE 11-12**

**LENGTH 36 WEEKS**

**1 CREDIT**

**PREREQUISITE: SCHOOL COUNSELOR RECOMMENDATION**

Through online learning options and credit flexibility, students will have the opportunity to pursue an Industry-Recognized Credential seal in Business, Marketing, & Finance and/or Hospitality & Tourism. Each of these seals requires the successful completion of the online courses RISE Up Customer Service and Sales and RISE Up Retail Industry Fundamentals. Each course requires the passing of a final exam. Additionally, students enrolled in this course will prepare to successfully earn a minimum score of 14 on the ACT WorkKeys Assessment. A fee is charged for this course.

# English

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## ENGLISH I

GRADE 9

LENGTH 36 WEEKS

1 CREDIT

The English I curriculum is based on the study of fiction and non-fiction texts. Students will develop their analytical and comprehension skills. A variety of compositions will be written including a research paper. The course will also include the study of grammar and vocabulary. Students can expect to create original projects, give presentations, and use technology. An exit project and/or exam is required. A fee is charged for this course.

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## HONORS ENGLISH I

GRADE 9

LENGTH 36 WEEKS

1 CREDIT

PREREQUISITE: *B OR HIGHER IN PREVIOUS ENGLISH CLASSES & TEACHER RECOMMENDATION*

The curriculum of the Honors English I class emphasizes expanded breadth and depth of content, requiring a measurably different amount of work from the regular English classes. A summer assignment is a requirement of the course. Honors courses are for students who are highly motivated and have achieved at least a B in previous English classes. An exit project and/or exam is required. All course requirements must be completed to pass. A fee is charged for this course. This is a weighted course.

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## ENGLISH II

GRADE 10

LENGTH 36 WEEKS

1 CREDIT

The English II curriculum is a continuation and deepening of the English I curriculum. It is based on the study of fiction and non-fiction texts. Students will further develop his/her analytical and comprehension skills. A variety of compositions will be written including a research paper. The course will also include the study of grammar and vocabulary. Students can expect to create original projects, give presentations, and use technology. An exit project and/or exam is required. **Students will be required to take the Ohio ELA II end-of-course state test and earn a proficient score to graduate.** A fee is charged for this course.

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## HONORS ENGLISH II

GRADE 10

LENGTH 36 WEEKS

1 CREDIT

PREREQUISITE: *B OR HIGHER IN PREVIOUS ENGLISH CLASSES & TEACHER RECOMMENDATION*

The curriculum of the Honors English class seeks to extend and refine the content, processes, and product of the regular English curriculum. It emphasizes expanded breadth and depth, requiring measurably different work from the regular English program. This includes a required summer reading list with assignments. Therefore, the Honors program is for students who are highly motivated, independent learners strong in reading, composition, and communication skills including critical reading, composition structure, and style. A focus on student collaboration and use of the technology will also be a facet of this course. An exit project and/or exam is required. All course requirements must be completed to pass. **Students will be required to take the Ohio ELA II end-of-course state test and earn a proficient score to graduate.** This is a weighted course. A fee is charged for this course.

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## ENGLISH III

GRADE 11

LENGTH 36 WEEKS

1 CREDIT

The English III curriculum utilizes the study of American Literature and Cultural History to expand students' abilities to read, think, and write critically. Writing skills and composition will be a focus of this class. Students will continue to study grammar and vocabulary. Speaking and presentation skills will be



including graphic images as forms of text, from many disciplines and historical periods. This is a weighted course.

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### **AP ENGLISH LITERATURE AND COMPOSITION**

**LCCC ENGLISH 255-257**

**GRADE 12**

**LENGTH 36 WEEKS**

**3 CREDITS**

PREREQUISITE: *LCCC ENGLISH 161-162*

The course content is based upon a suggested curriculum from The College Board. There are two major academic goals for this course: to give students a college-level English course and to prepare them for the required AP exam in May. A great deal of self-motivation is required for this course beginning with a **summer assignment**. Throughout the course, students will read and analyze British and American poetry and fiction along with select pieces of World literature. Writing about literature in the style required for success on the AP exam is a major focus. The AP exam fee of approximately \$95 will apply. This is a weighted course. A fee is charged for this course.

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### **BROADCAST JOURNALISM**

**GRADE 9-12**

**LENGTH 36 WEEKS**

**1 CREDIT**

Students will investigate, research, prioritize and synthesize information while learning the techniques and skills of videography, audio recording, editing, lighting and set design. Students will perform under deadline pressure, producing news stories for broadcast, the web, print, and social media, all hallmarks of a modern-day broadcast journalist. This class requires fieldwork done each week outside of class to create suitable news stories for daily broadcast. Students will also engage in topics such as journalism ethics, news bias, multi-platform journalism, and the role of media in society. These activities will build skills necessary for success in college and careers while providing a chance to explore personal interests. Students may take this course more than once with teacher approval. A fee is charged for this course.

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### **CREATIVE WRITING**

**GRADE 9-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

This course will introduce students to three genres of creative writing – poetry, short fiction, and drama. Students will work to create and edit original works with collaboration from the instructor and classmates. The class will function as a workshop the majority of the time so that students can focus on their own creative pieces. Grades will be based on original pieces and revisions.

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### **THEATRE**

**GRADE 9-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

This course is designed for students who are interested in beginning or advancing their development as an actor or actress. Students will be introduced to all skills necessary to perform and produce a theatrical production. Students should expect to perform and collaborate with others on performances. These projects or productions may require participation outside of school hours. Students may take this course more than once. A fee is charged for this course.

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# Mathematics

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## **ALGEBRA I, PART I**

**GRADE 9**

**LENGTH 36 WEEKS**

**1 CREDIT**

PREREQUISITE: *PRE-ALGEBRA & TEACHER RECOMMENDATION*

Algebra I, Part I is a full year course designed to enhance understanding of foundational concepts and skills for students needing more support in learning mathematics. The Algebra I curriculum aligns with Ohio learning standards and will focus on a student's ability to solve equations, use functions, develop models, and establish relationships between quantities.

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## **ALGEBRA I, PART II**

**GRADE 10**

**LENGTH 36 WEEKS**

**1 CREDIT**

PREREQUISITE: *ALGEBRA I PART 1 & TEACHER RECOMMENDATION*

Algebra I, Part II is a full year course developed as an extension of the concepts and skills learned in Algebra I, Part I and serves to further deepen understanding of foundational concepts and skills for students needing more support in learning mathematics. The Algebra I curriculum aligns with Ohio learning standards and will focus on a student's ability to solve equations, use functions, develop models, and establish relationships between quantities. **Students will be required to take the Ohio Algebra I end-of-course State test and earn a proficient score to graduate.**

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## **ALGEBRA I**

**GRADE 8-9**

**LENGTH 36 WEEKS**

**1 CREDIT**

PREREQUISITE: *PRE-ALGEBRA*

Algebra I builds upon a number of key algebraic topics assumed to have been developed, namely a deep knowledge of linear patterns of change and familiarity with nonlinear patterns such as exponential and quadratic. It is expected that students entering Algebra I are able to recognize and solve mathematical and real-world problems involving linear relationships and to make sense of and move fluently among the graphic, numeric, symbolic and verbal representations of these patterns. In addition, students should be able to apply this knowledge to quadratic and other simple functions. Algebra I also connects to topics related to the study of the real number system and its properties, and introduces elementary number theory. Finally, students will develop an understanding that algebraic thinking is a powerful tool that can be used to model and solve real world problems. **Students will be required to take the Ohio Algebra I end-of-course State test and earn a proficient score to graduate.**

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## **HONORS ALGEBRA I**

**GRADE 8-9**

**LENGTH 36 WEEKS**

**1 CREDIT**

PREREQUISITE: *B OR HIGHER IN PRE-ALGEBRA & TEACHER RECOMMENDATION*

This course is designed for students who have demonstrated exceptional ability and motivation in mathematics. It is a weighted course and will have an effect on a student's high school grade point average. Students will develop an understanding that algebraic thinking is a powerful tool that can be used to model and solve real world problems. **Students will be required to take the Ohio Algebra I end-of-course State test and earn a proficient score to graduate.**

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use will be made of graphing calculator technology. A graphing calculator is required; the VHS staff recommends TI 83+.

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**AP CALCULUS AB**                      **GRADE 11-12**                      **LENGTH 36 WEEKS**                      **1 CREDIT**

PREREQUISITE: *B OR HIGHER IN PRE-CALCULUS & TEACHER RECOMMENDATION*

This course is taken concurrently with Calculus as described above. The second semester will focus on preparing for the AP test in May. Additionally, a capstone project will be completed in the weeks between the test and the end of the semester. Requirement: A graphing calculator (TI 83+ or better) and the fee for taking the AP exam (approximately \$95).

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**AP CALCULUS BC**                      **GRADE 12**                      **LENGTH 36 WEEKS**                      **1 CREDIT**

PREREQUISITE: *AP CALCULUS AB & TEACHER RECOMMENDATION*

This course is a continuation of AP Calculus AB and will cover additional topics including analysis and derivatives of parametric, polar, and vector functions, Euler and L'Hospital's rule, antiderivative by substitution expanded, by parts and partial fractions. Other additional topics include polynomial approximations and series which covers the concept of a series, the study of a series of constants and Taylor series. Requirement: A graphing calculator (TI 83+ or better) and the fee for taking the AP exam (approximately \$95).

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## Science

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**PHYSICAL SCIENCE**                      **GRADE 9**                      **LENGTH 36 WEEKS**                      **1 CREDIT**

This hands-on laboratory course is the preparatory science course designed for all students. Students will explore the major introductory concepts of physics and chemistry through interactive activities, laboratory experiences, computer simulations and demonstrations. Students will work together in lab groups and be introduced to scientific laboratory equipment and probe-ware. An emphasis is placed on understanding how the world works by applying scientific methods and inquiry. The course will conclude with a cumulative final exam. A fee is charged for this course.

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**HONORS PHYSICAL SCIENCE**                      **GRADE 9**                      **LENGTH 36 WEEKS**                      **1 CREDIT**

PREREQUISITE: *ALGEBRA I & TEACHER RECOMMENDATION*

Honors physical science covers introductory concepts of physics and chemistry. This hands-on laboratory course is a preparatory course designed for students with a strong mathematical foundation in algebra that has experienced success in previous science courses. Students will work together in lab groups and be introduced to new lab equipment and probe-ware similar to that of the professional level. Students will be asked to make use of current technology to research, experiment, create, and present findings in class. This course concludes with a cumulative final exam. A fee is charged for this course.

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**BIOLOGY****GRADE 10****LENGTH 36 WEEKS****1 CREDIT**PREREQUISITE: *PHYSICAL SCIENCE*

An introductory biology course designed for students with an honest curiosity pertaining to the structure and function of living organisms and their interrelationships. Topics include heredity, cell biology, evolution, genetics, diversity and interdependence of life, and scientific inquiry and application. Students can expect daily reading and homework assignments. Collaborative and independent projects are required, as is a final exam. A fee is charged for this course. Students will be required to take the Ohio Biology end-of-course state test for graduation in this course.

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**BIOLOGY (ONLINE)****GRADE 10-11****LENGTH 18-36 WEEKS****1 CREDIT**PREREQUISITE: *PHYSICAL SCIENCE & TEACHER & SCHOOL COUNSELOR RECOMMENDATION*

This biology course will teach the same required standards as the in-person class with a strong emphasis on the power standards which are the focus of the Ohio Biology end-of-course exam. Students will be required to join a daily Zoom instructed by a Vermilion High School science teacher and learning will be personalized to meet the individual needs of each student. This biology class will include a daily Zoom class, virtual labs, take home labs, demonstrations, and in person help as needed. A fee is charged for this course. Students will be required to take the Ohio Biology end-of-course state test for graduation in this course.

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**HONORS BIOLOGY****GRADE 10****LENGTH 36 WEEKS****1 CREDIT**PREREQUISITE: *B OR HIGHER IN A PHYSICAL SCIENCE COURSE & TEACHER RECOMMENDATION*

An introductory biology course designed for students who are prepared to do extensive independent work. Students should expect to spend a minimum of one hour each day preparing for class. The Honors Biology course will emphasize an enriched, accelerated content that focuses on key concepts. Topics include heredity, cell biology, evolution, genetics, diversity, and interdependence of life. Scientific inquiry, critical thinking, and application will be stressed. Required course components include collaborative and independent projects, assignments, and a final exam. A fee is charged for this course. Students will be required to take the Ohio Biology end-of-course state test for graduation in this course.

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**CHEMISTRY****GRADE 11-12****LENGTH 36 WEEKS****1 CREDIT**PREREQUISITE: *PHYSICAL SCIENCE & BIOLOGY*

Chemistry is the study of matter and change. Matter, physical and chemical changes, bonding and energy are the four main themes that will be discussed during this class. Laboratory experiments are designed to reinforce the principles studied in the classroom. This course is a quick-paced introduction to the further study of chemistry and other sciences at the industrial and college levels. Students can expect daily reading and homework assignments. A notebook and a scientific calculator are required and a cumulative final exam is given. A fee is charged for this course.

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**HONORS CHEMISTRY****GRADE 11-12****LENGTH 36 WEEKS****1 CREDIT**PREREQUISITE: *B OR HIGHER IN HONORS BIOLOGY & TEACHER RECOMMENDATION*

This chemistry course covers topics in addition to those covered in the regular Chemistry course. Students enrolled in this course must be strong math students with good problem-solving skills. Laboratory experiments are designed to reinforce the concepts learned in class and to further develop inquiry skills. Lab reports are required of students. Students can expect daily reading assignments

and/or homework assignments, as well as problem solving applications. A notebook and a scientific calculator are required. It is highly recommended that students enrolling in this course have earned an A grade in Biology or at least a B grade in Honors Biology. A fee is charged for this course.

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**FORENSICS AND THE LAW                      GRADE 11-12                      LENGTH 18 WEEKS                      .50 CREDIT**

This course introduces students to the field of forensic science through an exploration of its applications to criminal investigations, and clear explanations of the techniques, abilities and limitations of the modern crime laboratory. Course contents include forensic psychiatry/psychology, serial arsonists, serial killers, document analysis, toxicology, arson, time of death, entomology, fingerprinting, and crime scene processing.

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**FORENSICS INVESTIGATIONS                      GRADE 11-12                      LENGTH 18 WEEKS                      .50 CREDIT**

This course introduces students to the field of forensic science through an exploration of its applications to criminal investigations, and clear explanations of the techniques, abilities and limitations of the modern crime laboratory. Course contents include introduction to the study of criminalistics vs. criminology, Locard's principle, introduction to the law, forensic history, rules of evidence, trace evidence, forensic anthropology, glass as evidence and crime scene processing.

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**ASTRONOMY    GRADE 11-12                      LENGTH 36 WEEKS                      1 CREDIT**

Astronomy is the study of our solar system and beyond. Topics that will be covered include astronomical measurements and their instruments, the solar system of planets, the sun and stars, galaxies, as well as other concepts of cosmology. Students will be asked to research, develop, and present topics to their peers. Students should expect regular current event readings that will be summarized and kept in a journal. A final exam is required. A fee is charged for this course.

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**PHYSICS    GRADE 11-12                      LENGTH 36 WEEKS                      1 CREDIT**

PREREQUISITE: *CHEMISTRY & ALGEBRA II*

Physics is the study of the natural universe and the laws and theories that govern it. The physics course provides students with a general background knowledge of the fundamental areas of physics. Topics are developed conceptually and then are supported mathematically. This is a hands-on laboratory course that develops students' critical thinking skills through laboratory reporting and problem solving. Students can expect daily reading and homework assignments. A final exam is required. A fee is charged for this course.

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**AP PHYSICS I    GRADE 11-12                      LENGTH 36 WEEKS                      1 CREDIT**

PREREQUISITE: *B OR HIGHER IN HONORS CHEMISTRY, ALGEBRA II & TEACHER RECOMMENDATION*

Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore topics such as Newtonian Mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Students taking this course will be required to take the AP Exam which includes a fee of approximately \$95. An additional fee is required.



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## **GENERAL BIOLOGY**

### **LCCC BIOLOGY 151**

**GRADE 11-12**

**LENGTH 18 WEEKS**

**1 CREDIT**

**PREREQUISITE:** *LCCC ACCEPTANCE & B OR HIGHER IN BIOLOGY OR HONORS BIOLOGY*

An introductory biology course designed for non-science majors. Topics include basic chemistry and cell biology, evolution, genetics, ecology and a survey of the kingdoms. Students should expect to spend a minimum of one hour each day preparing for class independently. Laboratory required. This is a natural science core course.

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## **INTRODUCTION TO ECOLOGY**

### **LCCC BIOLOGY 165**

**GRADE 11-12**

**LENGTH 18 WEEKS**

**1 CREDIT**

**PREREQUISITE:** *LCCC ACCEPTANCE & B OR HIGHER IN BIOLOGY OR HONORS BIOLOGY*

An introductory course intended for the non-science major covering the environment and the interaction between human beings and the ecosystem. Course also addresses the energy, social, and environmental problems associated with this interaction. Students should expect to spend a minimum of one hour each day preparing for class independently. Course will include several field experiences, including a community event and independent field observations. This is a natural Science Core Course.

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## **INTRO TO HUMAN ANATOMY**

**GRADE 10-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

This elective laboratory science course is designed for students interested in taking a challenging, in-depth study of the structure of the human body. A systems approach is followed, focusing on the gross anatomy of the human body. Lab dissection of mammalian organs and some mammals is required.

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## **INTRO TO HUMAN PHYSIOLOGY**

**GRADE 10-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

This elective laboratory science course is designed for students interested in taking a challenging, in-depth student of the function of the human body. A systems approach is followed with an emphasis on the mechanisms of human physiology. Lab dissection of mammalian organs and some mammals is required.

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## **INFECTIOUS DISEASES**

**GRADE 10-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

This course consists of a disease-focused curriculum with an emphasis on relevance to students' lives and the role infectious disease has played in shaping history. Infectious Diseases will cover topics such as how diseases make us sick, how diseases are treated, global outbreaks, how bacteria and viruses work, and the fundamental makeup of bacteria and viruses.

# Social Studies

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## **SOCIAL STUDIES I**

**GRADE 9**

**LENGTH 36 WEEKS**

**1 CREDIT**

The Social Studies I course will combine US and World Studies from the period of Reconstruction through World War II. The course will begin with a focus on key Enlightenment Ideas that led to independence movements and then will examine the history of the United States of America from 1865 through 1945, emphasizing historical analysis of pivotal global events during these years. In preparation for the Ohio End of Course Exams, students will pursue the chronological study of US and World Studies from earlier grades, continuing to analyze how the events of yesterday have shaped the nature of the country and the world today. This course will continue to build upon the concepts of historical thinking introduced in prior years, requiring students to locate and analyze primary and secondary sources from multiple perspectives to draw conclusions. Students will gain a deeper understanding of the role of citizens and continue to develop their research skills. There will be an overall emphasis on written analysis, as well as the use of technology in a project-based learning environment. This course will require a community service project, a midterm, and a final exam.

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## **HONORS SOCIAL STUDIES I**

**GRADE 9**

**LENGTH 36 WEEKS**

**1 CREDIT**

**PREREQUISITE: B OR HIGHER IN SS 8 OR HONORS SS 8 & TEACHER RECOMMENDATION**

The Honors Social Studies I course will parallel the content of Social Studies I with added components. Students will be expected to use critical thinking to complete projects that focus on content, collaboration, communication, and creativity. Additional course requirements will include a community service project, a midterm exam, a final exam, summer reading, and in-class reading of novels.

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## **SOCIAL STUDIES II**

**GRADE 10**

**LENGTH 36 WEEKS**

**1 CREDIT**

**PREREQUISITE: SOCIAL STUDIES I**

The Social Studies II course will combine U.S. and World Studies from the end of World War Two to present day. Following a review of key post American Civil War eras; the course will then examine the History of the United States of America from 1945 through the early 21st Century, while still emphasizing historical analysis of key global events during these years. In preparation for the New State Tests end of course exams, students will continue their chronological study of American and world studies began in earlier grades. Students will continue to analyze how the events of yesterday have shaped the nature of the country and world today. This course will continue to build upon the concepts of historical thinking introduced in earlier grades with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions. Students will gain a deeper understanding of the role of citizens and continue to develop their research skills. There will be an overall emphasis on written analysis, as well as the use of technology in a project-based learning environment. This course will require a community service project, midterm, and final exam. There is also a required American History end-of-course exam issued by the state of Ohio. Students earning a proficient score on both this test and the American Government exam taken Junior year will earn the Citizenship Seal on their diploma for graduation.

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**HONORS SOCIAL STUDIES II      GRADE 10      LENGTH 36 WEEKS      1 CREDIT**

**PREREQUISITE:** *B OR HIGHER IN SS I OR HONORS SS I & TEACHER RECOMMENDATION*

The Honors Social Studies II course will parallel the content of Social Studies II with added components. Students will be expected to use critical thinking to complete projects that focus on content, collaboration, communication, and creativity. Additional course requirements will include a first semester book analysis paper, a community service project, a final exam, and a second semester major research paper and presentation. There is also a required American History end-of-course exam issued by the state of Ohio. Students earning a proficient score on both this test and the American Government exam taken junior year will earn the Citizenship Seal on their diploma for graduation.

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**SOCIAL STUDIES III      GRADE 11      LENGTH 36 WEEKS      1 CREDIT**

**PREREQUISITE:** *SOCIAL STUDIES II*

This is a combined class of Government and Economics. The American Government element focuses extensively on the principles of the United States Constitution: popular sovereignty, limited government, separation of powers, checks and balances, judicial review, and federalism. Students will explore the Legislative, Executive, and Judicial branches of the federal government in detail. Also, students will learn about enlightenment era influences on the American democracy, as well as explore ways that citizens play a critical role in government such as voting, political party membership, and involvement in interest groups. A survey of comparative political systems and state and local government are also featured. The Economics element will provide students an opportunity to learn micro and macroeconomic principles, as well as understand how individuals and societies use scarce resources to satisfy their unlimited needs and wants. Included in this part of the class is the Financial Literacy requirement established by Ohio law and the Social Studies academic content standards. The course involves simulations, projects, group discussions, in addition to a community service project and a final exam. There is also a required American Government end-of-course exam issued by the state of Ohio. Students earning a proficient score on both this test and the American History exam taken sophomore year will earn the Citizenship Seal on their diploma for graduation.

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**HONORS SOCIAL STUDIES III      GRADE 11      LENGTH 36 WEEKS      1 CREDIT**

**PREREQUISITE:** *B OR HIGHER IN SOCIAL STUDIES II OR HONORS SS II & TEACHER RECOMMENDATION*

This honors class offers students an in-depth look at the foundations, principles, and workings of the American Political System. Included is a thorough study of the philosophical beginnings of the United States, the branches of government, the process of policymaking, the federal bureaucracy, government financing and economics, constitutional law, and contemporary issues. This course will develop skills and abilities in analyzing and evaluating current issues and public policies in American politics. Students will also work collaboratively and creatively using various forms of technology while addressing these contemporary issues and policies. The importance of citizenship, as well as community, will also be stressed in this course. Also included in the course is the Financial Literacy requirement established by Ohio law and Social Studies academic content standards which will explore economic issues and how the government, economy, and consumers affect the nation. This course will require a final research project, summer reading assignment, community service hours, and a final exam.

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**UNITED STATES HISTORY I****LCCC HISTORY 161****GRADE 11-12****LENGTH 18 WEEKS****1 CREDIT**PREREQUISITE: *LCCC ACCEPTANCE & B OR HIGHER IN HONORS SOCIAL STUDIES II*

A study of the origin and growth of American civilization from the discovery of the western hemisphere to the end of the Reconstruction. Research paper required. Course format is lecture and discussion. Writing development will occur as well. Analysis of multiple primary and secondary sources of information will be key to student evaluation in this course. Focus of class activities and assignments will be determining key issues in the early development of American history and their relevance to students' lives today. This is a college course and students will be graded as such. It is highly recommended that students have completed Honors Social Studies II with an 80% or above achievement rate when signing up for this course. To enroll, students must also have tested college-ready. A research paper is required.

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**UNITED STATES HISTORY II****LCCC HISTORY 162****GRADE 11-12****LENGTH 18 WEEKS****1 CREDIT**PREREQUISITE: *LCCC ACCEPTANCE & US HISTORY I*

A political, economic, diplomatic, social, cultural, and intellectual survey of the United States from the end of Reconstruction to the present. Intensive reading is required, including text, scholarly articles, primary sources, and supplementary books, which students may need to purchase. Course format is lecture and discussion. Research paper required. Writing development will occur as well. Analysis of multiple primary and secondary sources of information will be key to student evaluation in this course. This is a college course and students will be graded as such. It is highly recommended that students have completed Honors Social Studies II with an 80% or above achievement rate when signing up for this course. A research paper is required.

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**FINANCIAL LITERACY****GRADE 11-12****LENGTH 18 WEEKS****.50 CREDIT**

Understanding financial management concepts is an important life skill. From credit insurance to taxes, it is imperative that students understand the consequences of their choices. Wisely managing their money, students will become more fiscally responsible citizens. The course surveys the basic personal finance needs of most individuals and emphasizes the basics of budgeting, saving, banking skills, credit and debt, insurance, and paying taxes. Students taking this course will have the opportunity to learn how to prepare for their financial futures.

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**HISTORY AND FILM****GRADE 10-12****LENGTH 18 WEEKS****.50 CREDIT**

This course will involve the study of American or World History through the use of popular or documentary film. The key to this course will be viewing the films with a critical 'eye' and be expected to learn about the content in the films viewed and how accurate the content in the film is portrayed. Analysis of the inherent messages in the films viewed will be key to a successful grade in the course as well. Discussion and written analysis will be key to the course evaluation.

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**MODERN GLOBAL STUDIES****GRADE 11-12****LENGTH 36 WEEKS****1 CREDIT**

Students in this course will study the 21<sup>st</sup> century from an economic, social, and political viewpoint. Current news issues will be researched and analyzed, as well as global conflicts and the resulting consequences on race, class, and gender. Conflicts to assess will include women's challenges, the











acting skills. Students are required to perform in class and will have the opportunity to attend up to eleven weekend competitions throughout the year. There is a requirement for speaking opportunities, where students need to speak publicly a minimum of 6 times throughout the year (in either a competitive or public setting). This course will only be offered alternating years, the next year being 2022-2023.

## **STEM Electives** **(Science, Technology, Engineering, and Math)**

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### **BICYCLE REPAIR**

**GRADE 9-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

This course is for the hands-on student interested in the mechanics of the bicycle. Students will learn everything from the basics of bike parts and maintenance to more complex components such as derailleurs. The ultimate goal of the course is to repair and refurbish bicycles that will be donated back to the community. This course may be taken multiple times with teacher approval.

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### **ROBOTICS I**

**GRADE 9-12**

**LENGTH 36 WEEKS**

**1 CREDIT**

This course is designed to introduce students to the various aspects of VEX Robotics. Students will take part in a series of projects that build skills in different areas necessary for the Robotics season while learning lab safety and organization. Mechanical and electrical engineering, computer programming, automation, business management, and design thinking will be explored and practiced. Students will collaborate on the design, creation, and function of the team's competition robot in preparation for the classroom competitions. A fee is charged for this course.

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### **ROBOTICS II**

**GRADE 10-12**

**LENGTH 36 WEEKS**

**1 CREDIT**

*PREREQUISITE: ROBOTICS I*

This course is a continuation of Robotics I and is designed to advance student skills, knowledge, and experience in regards to the field of Robotics and the VHS Robotics program. Students will take part in a series of projects that advance and reinforce skills in different areas necessary for the Robotics season while learning lab safety and organization. Mechanical and electrical engineering, computer programming, automation, business management, and design thinking skills will be practiced and advanced in preparation for the Robotics Team's Build Season. During the Build Season, students will collaborate on the design, creation, and function of the team's competition robot in preparation for the VEX Regional Competition. Some Saturday competition attendance is required. A fee is charged for this course.

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### **MINNOW TANK**

**GRADE 9-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

Ever think about having your own business or inventing a solution to a problem? Develop a STEM Business Plan or STEM Commercialization Plan with the *Believe in Ohio* program through this course. *Believe in Ohio* is a student entrepreneurship program to develop Ohio's next generation of STEM innovators. *Believe in Ohio* provides an online curriculum that allows students to explore their own areas of interest by learning how to commercialize solutions to problems or develop products through a STEM Commercialization Plan or STEM Business Plan. Students may be required to participate in local,



regional, and state *Believe in Ohio* judging events individually or in teams of up to three to compete for awards and scholarships.

## Online Electives

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### **LITERACY & COMPREHENSION I                      GRADE 9-12      LENGTH 18 WEEKS                      .50 CREDIT**

This course is one of two intervention courses designed to support the development of strategic reading and writing skills. These courses use a thematic and contemporary approach, including high interest topics to motivate students and expose them to effective instructional principles using diverse content area and real-world texts. Both courses offer an engaging technology-based interface that inspires and challenges students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, make inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.

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### **LITERACY & COMPREHENSION II                      GRADE 9-12      LENGTH 18 WEEKS                      .50 CREDIT**

Offering high-interest topics to motivate students who are reading two to three levels below grade, this course works in conjunction with Literacy & Comprehension I to use a thematic and contemporary approach to expose students to effective instructional principles using diverse content area and real world texts. Each of these reading intervention courses offers an engaging, technology-based interface that inspires and challenges high school and middle school students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.

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### **EXPOSITORY READING & WRITING**

**GRADE 9-12                      LENGTH 36 WEEKS                      1 CREDIT**

This elective English course is designed to develop critical reading and writing skills while preparing high school students to meet the demands of college-level work. While students will explore some critical reading skills in fiction, poetry, and drama, the focus of this course will be on expository and persuasive texts and analytical reading skills that are necessary for college success. Students will read a range of 42 short but complex texts, including works by Walt Whitman, Abraham Lincoln, Cesar Chavez, Martin Luther King Jr., Langston Hughes, Julia Alvarez, Edna St. Vincent Millay and Gary Soto.

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### **INTRO TO COMMUNICATIONS & SPEECH**

**GRADE 9-12                      LENGTH 18 WEEKS                      .50 CREDIT**

Beginning with an introduction that builds student understanding of the elements, principles and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this one-semester course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes

with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.

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### **IDEA WRITING**

**GRADE 9-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

Motivating students in grades nine through twelve to become more articulate and effective writers, this one-semester course offers hands-on experience writing personal reflections definition essays, research essays, persuasive essays, informative essays and literary analysis essays. Offering targeted lessons on reputable research, effective communication, solid grammar, and compelling style, this one-semester course utilizes the Six Traits of Effective Writing as an overarching framework. Students enrolled in this course develop the skills necessary to evaluate their own writing and articulate and apply writing and researching strategies. In addition, students get further practice applying the grammatical rules of standard American English in formal writing.

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### **MATHEMATICAL MODELS WITH APPLICATIONS**

**GRADE 9-12**

**LENGTH 36 WEEKS**

**1 CREDIT**

Broadening and extending the mathematical knowledge and skills acquired in Algebra 1, the primary purpose of this course is to use mathematics as a tool to model real-world phenomena students may encounter daily, such as finance and exponential models. Engaging lessons cover financial topics, including growth, smart money, saving, and installment-loan models. Prior mathematical knowledge is expanded and new knowledge and techniques are developed through real-work application of useful mathematical concepts

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### **FINANCIAL MATH**

**GRADE 9-12**

**LENGTH 36 WEEKS**

**1 CREDIT**

Connecting practical mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data Offered as a two-semester course for high school students, this course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems and exponential function.

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### **ONLINE LEARNING & DIGITAL CITIZENSHIP**

**GRADE 9-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

This one-semester course provides students with a comprehensive introduction to online learning including how to work independently, stay safe, and develop effective study habits in virtual learning environments. Featuring direct-instruction videos, interactive tasks, authentic projects, and rigorous assessment, the course prepares students for high school by providing in-depth instruction and practice in important study skills such as time management, effective note-taking, test preparation, and collaborating effectively online. By the end of the course, students will understand what it takes to be successful online learners and responsible digital citizens.

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**STRATEGIES FOR ACADEMIC  
SUCCESS**

**GRADE 9-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this one-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.

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**CAREER PLANNING &  
DEVELOPMENT**

**GRADE 9-12**

**LENGTH 18 WEEKS**

**1 CREDIT**

Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a resume that can be used in their educational or career portfolio.

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**HEALTH SCIENCE CONCEPTS**

**GRADE 9-12**

**LENGTH 36 WEEKS**

**1 CREDIT**

This yearlong course introduces high school students to the fundamental concepts of anatomy and physiology – including the organization of the body, cellular functions, and the chemistry of life. As they progress through each unit, students learn about the major body systems, common diseases and disorders, and the career specialties associated with each system. Students investigate basic medical terminology as well human reproduction and development. Students are introduced to these fundamental health science concepts through direct instruction, interactive tasks and practice assignments. This course is intended to provide students with a strong base of core knowledge and skills that can be used in a variety of health science career pathways.

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**INTRO TO BUSINESS**

**GRADE 9-12**

**LENGTH 36 WEEKS**

**1 CREDIT**

In this two-semester introductory course, students earn the principles of business using real-world examples – learning what it takes to plan and launch a product or service in today's fast paced business environment. This course covers an introduction to economics, cost and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, and taxes and credit, the basics of financing a business, how a business relates to society both locally and globally; how to identify a business opportunity, and techniques for planning, executing, and marketing a business to respond to that opportunity.

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**INTRO TO HEALTH SCIENCE**

**GRADE 9-12**

**LENGTH 36 WEEKS**

**1 CREDIT**

Full year: 1 credit This high school course introduces students to a variety of healthcare careers, as they develop the basic skills required in all health and medical sciences. In addition to learning the key elements of the U.S healthcare systems, students learn terminology, anatomy and physiology,

pathologies, diagnostic and clinical procedures, therapeutic interventions and the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism accountability and efficiency for workers within the healthcare field.

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**INTRO TO INFORMATION  
TECHNOLOGY**

**GRADE 9-12**

**LENGTH 36 WEEKS**

**1 CREDIT**

This course introduces students to the essential technical and professional skills required in the field of Information Technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and the efficiency of workers within the field of IT.

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**MEDICAL TERMINOLOGY**

**GRADE 9-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

This semester-long course introduces students to the structure of medical terms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to health care settings, medical procedures, pharmacology, human anatomy and physiology and pathology. The knowledge and skills gained in this course provide students entering the health field with a deeper understanding of the application of the language of health and medicine. Students are introduced to these skills through direct instruction, interactive tasks, practice assignments and unit-level assessments.

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**INTRO TO ART**

**GRADE 9-12**

**LENGTH 18 WEEKS**

**.50 CREDIT**

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, this one-semester course provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in this course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

# Grade 8 Curriculum

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Eighth grade students will have seven courses per day. In the column on the left, the table below displays courses that every Vermilion High School grade 8 student will take as part of the required curriculum. Courses listed on the right may be part of a student's daily schedule as determined by the scheduling meeting with his/her school counselor the spring of their seventh grade year.

Required Courses	Other Available Courses
English 8	Band 8
Math (Pre-Algebra, Algebra I, Honors Algebra 1, Geometry, or Honors Geometry)	Concert Choir 8
Social Studies 8	French I or Spanish I*
Science 8	Grade 8 Electives (Intro to Health, Intro to Art, Intro to Music, Intro to Financial Literacy)
Physical Education (1 semester)	Sailor Support
Intro to Technology (1 semester)	

*\*Any student interested in taking a world language his or her eighth grade year must have a consistent record of academic excellence and will be determined by the school counselor.*

## EXAMPLES OF POSSIBLE GRADE 8 SCHEDULES

<u>Example 1</u>	<u>Example 2</u>	<u>Example 3</u>	<u>Example 4</u>
English 8	English 8	English 8	English 8
Math	Math	Math	Math
Social Studies 8	Social Studies 8	Social Studies 8	Social Studies 8
Science 8	Science 8	Science 8	Science 8
Tech / PE	Tech / PE	Tech / PE	Tech / PE
World Language	Band	Electives	Band
Band	Concert Choir	Sailor Support	Electives

# Grade 8 Course Descriptions

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## ENGLISH 8

**LENGTH 36 WEEKS**

The eighth grade English course is a literature and composition class that incorporates all aspects of language development. Fundamental skills such as writing, grammar, vocabulary, and speech will be reinforced and expanded through a variety of assignments. An exit project and/or final exam is required. Students will take the Ohio Grade 8 test in English and Language Arts in this course. A fee will be charged for this course.

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**HONORS ENGLISH 8****LENGTH 36 WEEKS**PREREQUISITE: *TEACHER RECOMMENDATION*

The curriculum of the Honors English 8 class emphasizes expanded breadth and depth of content, requiring a measurably different amount of work from the regular English classes. A summer assignment is a requirement of the course. **Honors courses are for students who are highly motivated and have achieved at least a B in previous English classes.** Students entering this course should have the recommendation of their seventh grade English teacher. An exit project and/or final exam is required. All course requirements must be completed to pass. Students will take the Ohio grade 8 test in English and Language Arts in this course. A fee is charged for this course. Failure to meet the standards of the course may result in transfer in the regular English 8 course.

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**GRADE 8 BAND****LENGTH 36 WEEKS**

Eighth Grade Band is the most advanced developmental performing ensemble for wind and percussion instrumentalists before students join the Vermilion High School Band in ninth grade. The course introduces “comprehensive musicianship” and develops skills and concepts from previous years through study, rehearsal, and performance of many outstanding developmental compositions in band literature. Individual and ensemble performance skills will be expanded through musical expression and technical accuracy. Students will continue to develop knowledge of music theory, begin to analyze and evaluate music, and use critical thinking skills to make refinements in their performance. Students in 8<sup>th</sup> Grade band will perform at least three concerts a year and share some of the marching band experiences with the VHS Sailor Marching Band. Individual growth and achievement are encouraged through participation in adjudicated solo and ensemble contests, honor bands, and private lessons. Attendance is required at performances as part of the course grading policy.

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**GRADE 8 ELECTIVES****LENGTH 9 WEEKS EACH**

The grade 8 elective courses consist of 4 quarter-long classes designed to capture student’s interests and impart important skills. The course rotations may include courses such as art, music, health, and financial literacy.

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**SCIENCE 8****LENGTH 36 WEEKS**

Grade 8 Science focuses on three branches of science; Earth Science, Physical Science, and Life Science. The topics of the content will be Physical Earth, Forces and Motion and Species and Reproduction. The connections made between the three areas combines the interaction of energy, forces in motion and how they change the physical features of the Earth. The changes of physical Earth and species that have lived on Earth are found in the rock record. For species to continue reproduction must be successful. These concepts will be presented as a lab based course. Students will interpret and present quantitative data produced by themselves and others through experimentation.

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**HONORS SCIENCE 8****LENGTH 36 WEEKS**PREREQUISITE: *TEACHER RECOMMENDATION*

The Honors Science course for eighth graders will extend and accelerate key topics within the Science 8 curriculum. The course will focus on three branches of science: Earth Science, Physical Science, and Life Science. The connections made between the three areas combines the interaction of energy, forces in motion and how they change the physical features of the Earth. The changes of physical Earth and the species that have lived on Earth are found in the rock record. For species to continue reproduction must be successful. These concepts will be presented as a lab based course.

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**SOCIAL STUDIES 8****LENGTH 36 WEEKS**

The 8th Grade Social Studies Course will cover U.S. studies from colonization through the Civil War. In doing so, students will describe the effects of interactions among civilizations and the various groups involved in and affected by the colonization process. Students will also explain the causes and consequences of the American Revolution, with emphasis on colonial and British perspectives, including assessment of the political and economic challenges that the United States faced in the adoption of the U.S. Constitution. Finally, students will analyze the causes and consequences of the American Civil War. In doing so, students will consider the geographic, cultural, economic, and governmental changes that occur throughout these American historic time periods. Students will develop a deeper appreciation of their roles as citizens and develop social studies analysis skills and methods, including multiple source analysis.

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**HONORS SOCIAL STUDIES 8****LENGTH 36 WEEKS**PREREQUISITE: *TEACHER RECOMMENDATION*

The Honors Social Studies 8 course will parallel the content of Social Studies 8 with added components. Students will be expected to begin developing higher level research and writing skills as well as the implementation of technology in their research. They will be expected to study the preceding historical eras through the use and analysis of multiple types of resources, including primary and secondary. The course will require a final research project and a final exam.

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**CONCERT CHOIR 8****GRADES 8-12****LENGTH 36 WEEKS**

Chorus is a non-auditioned group open to 8th through 12th grade students. This group will focus on developing healthy and mature vocal technique in the context of various styles of choral music. In addition, students in this class will develop an understanding of music fundamentals including music terminology, classical composers, and music literacy. Additional work will include written tests, performance-based tests, and required evening performances.

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**PHYSICAL EDUCATION****GRADE 8-12****LENGTH 18 WEEKS****.25 CREDIT**

Basic skills will be taught and competitive play will progress according to the students' abilities. Co-educational activities will be included throughout the program. Activities offered will include indoor soccer, touch football, volleyball, softball, tennis, physical fitness tests, recreational sports, and exercise. Students are required to dress in a change of clothes including shorts or sweats, a t-shirt or sweatshirt, and gym shoes. Participation in physical education is mandatory for all enrolled students.

## VERMILION HIGH SCHOOL – ACADEMIC PLAN

This educational plan is a FLEXIBLE plan and may be changed from year to year.

Name \_\_\_\_\_

Grade \_\_\_\_\_

<b>Subject</b>	<b>No. Of Credits Required</b>	<b>Grade 8 Classes/Credit</b>	<b>Grade 9 Classes/Credit</b>
<b>English</b>	<b>4</b>		
<b>Math</b>	<b>4</b>		
<b>Science</b>	<b>3</b>		
<b>Social Studies</b>	<b>3</b>		
<b>Health</b>	$\frac{1}{2}$		
<b>Phys. Ed.</b>	$\frac{1}{2}$		
<b>Elective</b>			
<b>Elective</b>			
<b>Total Credits</b>	<b>22</b>		

<b>Subject</b>	<b>Grade 10 Classes/Credit</b>	<b>Grade 11 Classes/Credit</b>	<b>Grade 12 Classes/Credit</b>
<b>English</b>			
<b>Math</b>			
<b>Science</b>			
<b>Social Studies</b>			
<b>Elective</b>			
<b>Total Credits</b>			

## EXTRACURRICULAR, PERSONAL, AND VOLUNTEER ACTIVITIES

List your extracurricular, community, and family activities and hobbies. Include specific events and/or major accomplishments such as musical instrument played, varsity letters earned, etc.

Activity	Grade Level	Positions held, honors won, or letters earned
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	

## ACADEMIC HONORS

List any academic honors or scholastic distinctions that you have received.

Award Received	Grade Level	Positions held, honors won, or letters earned
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	
	<input type="checkbox"/> <sup>9</sup> <input type="checkbox"/> <sup>10</sup> <input type="checkbox"/> <sup>11</sup> <input type="checkbox"/> <sup>12</sup>	

## COMMUNITY SERVICE / VOLUNTEERISM

List any community service activities (church groups, civic organizations, scout programs, 4-H, etc.) or volunteer events that you have participated in during your high school career. Describe any volunteer opportunities and how many hours you offered your time to others.

Community service or volunteer activity	Location	Dates	# of hours per week
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## WORK EXPERIENCE

List the jobs you have held during your high school career (including summer jobs).

Specific duties, job title, etc.	Employer	Dates	# of hours per week
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## ACTION WORDS

List adjectives that you use to describe your personal character. List words that your parents use to describe you. List words that your friends use to describe you. Don't guess – ask them.

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## NOTES