

# St. Vincent High School



## Course Description Guide 2026-2027

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## **Table of Contents**

Mission and Vision	3
Vincentian Educational Values	3
Accreditation	3
About the Course Description Guide	4
Schedule Changes	4
Electives, Weighted Courses, Dual Enrollment	4
St. Vincent Graduation Requirements	5
Subject Requirements by Grade Level	5
College Preparatory Curriculum	6
Grading Scale	6
Religion	7
English	9
Mathematics	13
Social Studies	15
Science	18
Foreign Language	21
Visual and Performing Arts	23
Business and Technology	26
Physical Education	28
Career Center	29

## **Our Mission**

St. Vincent Catholic Schools united in Christ and guided by the spirit and educational values of St. Vincent, transform each student through the power of faith, knowledge, and service to the community.

## **Our Vision**

To educate and to foster the growth of each student: mind, body, and spirit.

## **Vincentian Educational Values**

A Vincentian Education is:

**Excellent** – places quality at the center of educational activities

**Holistic** – educates the heart, spirit, and mind

**Integrated** – blends the abstract with the practical

**Creative and Flexible** – seeks to meet the needs of a diverse student population

**Collaborative** – engages in cooperative endeavors with parents, students, administration, faculty, and staff.

**Focused** – strives to model St. Vincent de Paul and his mission of service to the poor.

## **Accreditation**

St. Vincent DePaul High School (9-12) is a member of, and has been accredited by, Cognia since 1933. St. Vincent de Paul Junior High is accredited through Missouri Non-Public School Association and the Archdiocese of St. Louis. Cognia's website is <https://www.cognia.org/services/accreditation-certification/>. Missouri Non-Public School Association information can be located at <https://www.moqualityschools.com/elementary.html>.

We are a recipient of the Catholic Education Honor Roll through the Cardinal Newman Society. Its purpose is to help schools strengthen their Catholic identity by evaluating internal policies and practices and recognizing schools committed to the Principles of Catholic Identity in Education. St. Vincent de Paul High School is 1 of 30 Catholic High Schools and 1 of 70 Catholic Elementary Schools across the nation to be on the Honor Roll.

The Honor Roll criteria conform (since 2017) to the *Principles of Catholic Identity in Education*, which The Cardinal Newman Society has derived from Church teaching and guidance on elementary and secondary education. They are: *Inspired by Divine Mission; Models Christian Communion; Encounters Christ in Prayer, Scripture, and Sacrament; Integrally Forms the Human Person; and Imparts a Christian Understanding of the World*. More information can be found at <https://newmansociety.org/educator-resources/catholic-education-honor-roll/>

## **About This Guide**

This program guide contains a listing of all the varied and challenging courses offered by our high school. Every attempt will be made to offer every course, but the final decision will be based upon enrollment, interest, and graduation requirement needs. All course information is subject to change based on the above mentioned.

Colleges and universities base their acceptance of students, in part, on how well the student performs in high school and the types of courses that the student takes. Historically, many of our graduates go to one and two year trade schools/colleges, four year universities and professional schools. The St. Vincent curriculum is designed to prepare our students for a positive college experience. *Above all, take the most demanding, challenging courses you can handle. Take pride in stretching your mind!*

## **Schedule Changes**

Selection of courses should be done after serious and thoughtful consultation among students, parents, advisors, teachers, and counselor. Every effort is made to assist students in the selection of an appropriate course of study according to their abilities, interests, career aspirations and recommendation of teachers and the counselor. Schedules will be made public on our SIS system to view two weeks before school starts. Classes will not be changed after the first day of school unless certain circumstances.

## **Electives, Weighted Courses, Dual Enrollment**

**Electives:** Students select elective courses based upon need, interest or intended career goals. Performance or achievement in a particular subject is a good way to determine whether to select advanced electives in that subject. Electives are also used to complete diploma requirements. It is recommended that students who plan to go to a four-year college take four years of math and science.

**Honors (Weighted) Courses:** Weighted Courses are for students who have demonstrated high achievement in given subject areas. These courses are taught more intensely with emphasis on quantity and depth of material.

**Dual Credit & Dual Enrollment:** Dual Credit courses are taught by a college professor via online instruction, whereas Dual Enrollment courses are taught by a trained St. Vincent faculty member. These courses are taught in affiliation with Saint Louis University or Southeast Missouri State University. Juniors and Seniors can receive both college credit and high school credit for these courses. Additional fees are paid to SLU and/or SEMO.

**Book Rental/Purchase and/or Software Rental/Purchase for College Courses:** Regarding college credit courses that require book rental/purchase and/or software rental/purchase, students are required to pay for these whether or not the course is taken for college credit.

## St. Vincent Graduation Requirements

<u>Subject Area</u>	<u>Credits</u>
Religion	4
English	4
Social Studies	3
Mathematics	3
Science	3
Foreign Language (Spanish)	2
Fine Art	1
Practical Art/Business	1
Physical Education	1
Health	0.5
Electives	7.5
<b><u>Total</u> 30</b>	

### Subject Requirement by Grade Level

<b>Freshman</b>	Religion - 1 Credit English - 1 Credit Math - 1 Credit Science - 1 Credit Personal Finance – 1 Credit	Spanish I -1 Credit Social Studies - 1 Credit Elective – 1 Credit
<b>Sophomore</b>	Religion - 1 Credit English - 1 Credit Math - 1 Credit Science - 1 Credit Spanish II - 1 Credit	Social Studies - 1 Credit Health - 0.5 Credit Career & Life Skills – 0.5 Credit Electives - 1 Credit
<b>Junior</b>	Religion - 1 Credit English - 1 Credit Math - 1 Credit	Science -1 Credit Social Studies - 1 Credit Electives - 3 Credits
<b>Senior</b>	Religion - 1 Credit	English - 1 Credit Electives - 6 Credits

## College Preparatory Curriculum

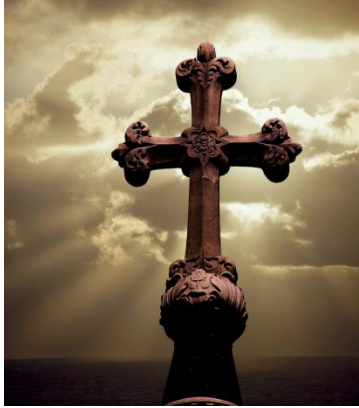
The Coordinating Board for Higher Education recommends a 24-unit high school core curriculum for students attending a Missouri college or university. Many colleges may have additional and/or different requirements for admission.

<b>English</b>	4 units
<b>Social Studies</b>	3 units
<b>Math</b>	4 units, at least one math course each year
<b>Science</b>	3 units
<b>Fine Arts</b>	1 unit
<b>Additional</b>	3 units Practical Arts 1, PE 1, Health 5, and Personal Finance .5
<b>Electives</b>	6 units – at least 3 units total in foreign language and/or other courses within high school core content areas. Two (2) units of a single foreign language are strongly recommended.

Note: For the required PE credit, students who play 2 seasons of a sport will earn 0.5 PE credit and 3 seasons of a sport will earn 1 PE credit. This includes all St. Vincent sponsored sports, Marching Band, and Cheerleading.

## Grading Scale

<u>Letter Grade</u>	<u>% Range</u>	<u>Grade Point</u>	<u>Honors Grade Point</u>
A	95-100	4.0	5.0
A-	93-94	3.67	4.67
B+	91-92	3.33	4.33
B	89-90	3.0	4.0
B-	87-88	2.67	3.67
C+	84-86	2.33	3.33
C	81-83	2.0	3.0
C-	78-80	1.67	2.67
D+	75-77	1.33	2.33
D	72-74	1.0	2.0
D-	70-71	0.67	1.67
F	69 and below	0	0



## **Religion**

We believe our purpose is to carry out the teaching mission of Christ by fostering in one another a faith that is living, conscious, and active. We nurture the gift of faith through the teaching of Catholic doctrine, faith experiences, and opportunities for Christian service. Since Sacraments are essential to our faith, we make time each week for Mass and provide opportunities for Reconciliation.

Religion classes are required for all students and are taken in sequential order.

Christian service is a requirement for all classes. All high school students are to complete 20 hours of Christian service per year. Seven hours are due at the end of the first quarter. Seven more Christian service hours are due by the end of the second quarter and six more are due by the end of the third quarter.

- ✠ If the hours are not done, the student's Religion grade for that quarter will be lowered one complete letter grade (ex: an A would become a B). This grade will not be changed and could possibly hurt their chance for eligibility in sports or clubs or for graduation.
- ✠ Service hours must be preapproved by a teacher at SVHS.
- ✠ Only Freshmen may do Christian service for family members. Sophomores, Juniors and Seniors will not be allowed to do Christian service for family or relatives.

In addition to Religion classes, students participate in weekly Masses, a Day of Recollection (freshmen, sophomore and juniors), Retreat (seniors) and Reconciliation Services. Students are also encouraged to participate with the Vincentian-Marian Youth (VMY) Group, St. Vincent de Paul Youth Group and Parish ministries.

### **515 – RELIGION I**

GRADE LEVEL: 9 (Required)

CREDIT: 1

DURATION: 2 semesters

### **525 – RELIGION II**

GRADE LEVEL: 10 (Required)

CREDIT: 1

DURATION: 2 semesters

**535 – RELIGION III**

GRADE LEVEL: 11 (Required)

CREDIT: 1

DURATION: 2 semesters

**545 – RELIGION IV**

GRADE LEVEL: 12 (Required)

CREDIT: 1

DURATION: 2 semesters

Single, married, priesthood and consecrated life are the main focus of this class. A review of church teachings, practices, and prayers finish out the year.

**550 – CAMPUS SERVICE**

GRADE LEVEL: 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

Formerly known as Campus Ministry, students are assigned to help tutor or mentor a younger student at St. Vincent Elementary and earn hours towards the A+ Scholarship Program.

**555 – ETHICS AND VIRTUES**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

Designed to go in depth of the Vincentian virtues that we learn about throughout the school year and strive to practice in our daily lives.

**560 – LATIN**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 1

DURATION: 2 semesters

Provides an introduction to the Latin language with particular emphasis on its role in the life and tradition of the Catholic Church.

**565 – CATHOLIC THEMES IN LITERATURE**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

This course examines major works of literature through the lens of Catholic thought and tradition. Readings may include works by Catholic authors as well as texts shaped by or in dialogue with Catholic theology and culture.



## **English**

The English program stresses competency in skills of reading, writing, speaking, and listening; and provides activities that will help students become discriminating users of print and non-print media. Literary and media works, selected for excellence in both content and style, will promote humanistic attitudes, aesthetic appreciation, multicultural awareness, and critical evaluation skills.

### **015 – ENGLISH I**

GRADE LEVEL: 9 (Required)

CREDIT: 1

DURATION: 2 semesters

Course focuses on basic skills of writing mechanics (grammar, spelling, and usage); study of short stories, novels, poetry and Shakespearean play are included in the course to enhance the student's appreciation and knowledge of literature.

### **025 – ENGLISH II**

GRADE LEVEL: 10 (Required)

CREDIT: 1

DURATION: 2 semesters

Course focuses on mechanics of grammar, foundations of writing, practice in writing paragraphs and essays; study of short stories, poetry and Shakespearean drama. Novels are read and discussed.

### **035 – AMERICAN LITERATURE**

GRADE LEVEL: 11

CREDIT: 1

DURATION: 2 semesters

Course will study American literature ranging from the Puritans to more modern and contemporary literary styles. Writing skills and grammar will be introduced and will serve to enhance the study of the literature. Independent reading is required.

**053 – ENGLISH IV**

GRADE LEVEL: 12

CREDIT: 1

DURATION: 2 semesters

This course encourages students to consider the place of the canon of British literature in today's world. Students will learn to analyze several classic texts and their place in literary history, while honing their writing skills in a college preparatory environment. Students will examine plays, poems, short stories and a novel of their choice.

**049 – COMPOSITION AND RHETORIC HC**

Dual Enrollment Course through Southeast Missouri State University

GRADE LEVEL: 11, 12; Teacher and School Approval Required

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITE: High School GPA of 3.0 on a 4.0 scale

**SEMO EN100 English Composition:** Focus on techniques of effective written expression. (3 College Credits)

**SEMO EN140 Rhetoric and Critical Thinking:** Focus on effective written expression; emphasis upon critical thinking and the research paper. (3 College Credits)

**054 – LITERATURE STUDIES & FICTION HC**

Dual Enrollment Course through Southeast Missouri State University

GRADE LEVEL: 12; Teacher and School Approval Required

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITE: High School GPA of 3.0 on a 4.0 scale

**SEMO LI256 Variety of Literature:** A survey of literature in all its variety-short stories, novels, poems, and drama. There is also an emphasis on reading, analyzing, and writing about literature. (3 College Credits)

**SEMO LI220 Fiction & Human Experience:** A study of short stories and novels by significant writers past and present. (3 College Credits)

**055 – PUBLIC SPEAKING HC**

Dual Enrollment Course through Southeast Missouri State University

GRADE LEVEL: 11, 12; Teacher and School Approval Required

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITE: High School GPA of 3.0 on a 4.0 scale

**SEMO SC105 Fundamentals of Oral Communication:** The development of proficiency in oral communication through the study of rhetorical theories, principles, and strategies. (3 College Credits)

**032 – DEBATE**

GRADE LEVEL: 10, 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

Debate focuses on developing skills for students to become: (1) in-depth researchers, (2) technical and persuasive writers, (3) effective communicators, and (4) perceptive listeners. Students gain an understanding of argumentation and persuasion theories and develop skills in logic and analysis.

**028 – SHORT STORY/NOVEL**

GRADE LEVEL: 10, 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

This course will help prepare students for their college literature courses. Students will read, analyze, and interpret several contemporary and classic pieces of literature, including selections from Sir Arthur Conan, Mark Twain, Edgar Allen Poe, etc. Multi-cultural literature includes works by Eli Wiesel, Sandra Cisneros, and Ayn Rand.

**029 – CREATIVE WRITING**

GRADE LEVEL: 10, 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

Creative, self-motivated students will learn to produce many types of writing including essays, short stories, poetry, children's books, graphic novels, and personal response writing.

**036 – SPEAKESPEARE LITERATURE**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

For students who desire a deeper appreciation of Shakespeare's works. Students will gain knowledge of the cultural significance, historical application, and contemporary reading, analysis, and interpretation of Shakespeare's works through active participation and written works.

## **056 – PUBLICATIONS**

GRADE LEVEL: 10, 11, 12 (B- or Higher in Previous Language Arts Course)

CREDIT: 1

DURATION: 2 semesters

This class is designed to provide students with the journalism skills and ability to apply those skills to the actual production of the yearbook and school newspaper as well as social and other digital media platforms. Students will learn journalistic writing, interviewing, design, photography, and marketing. Students are required to take photos during after-school hours on a regular basis and work additionally before and/or after school on Publication projects. The work done in this class is a real-world experience that results in the current volume of the Tribe Yearbook and current issues of The Gleaner newspaper. Publications students strive to maintain a tradition of excellence in which the school and community can take pride.

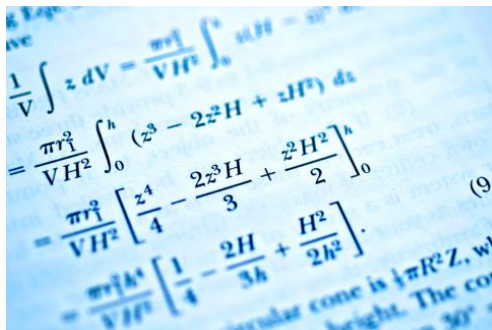
## **057 – ADVANCED PUBLICATIONS H**

GRADE LEVEL: 11, 12 (B- or Higher in Previous Language Arts Course AND B+ or Higher from Publications course)

CREDIT: 1 (Weighted)

DURATION: 2 semesters

This class is designed to provide students with the advanced journalism skills and ability to apply those skills to the actual production of the yearbook and school newspaper as well as social and other digital media platforms. Students will take on editorial roles in journalistic writing, interviewing, design, photography, and marketing. Students are required to take photos during after-school hours on a regular basis. The work done in this class is a real-world experience that results in the current volume of the Tribe Yearbook and current issues of The Gleaner newspaper. Advanced Publications students strive to maintain a tradition of excellence in which the school and community can take pride. Mastery of Advanced Publications educates students in all areas of publication production. As a result, students should be able to pursue journalism with a strong background either in their advanced studies or in a career. Participation in the J Day Workshop and additional projects are required to earn honors credit.



## Mathematics

The St. Vincent Mathematics Department seeks to prepare students for everyday living, as well as the ongoing study of mathematics in related fields. It strives to provide a standards-based curriculum, relating mathematics to life and careers when possible.

### **116 – ALGEBRA I**

GRADE LEVEL: 8, 9

CREDIT: 1

DURATION: 2 semesters

PREREQUISITE: Pre-Algebra

Introduction to basic algebra skills including operations and properties of real numbers, equations and inequalities, tables and graphs, functions and relations, rates, ratios and percents, systems of equations, polynomial, rational and radical expressions, and factoring quadratic expressions.

### **125 – GEOMETRY**

GRADE LEVEL: 9, 10

CREDIT: 1

DURATION: 2 semesters

PREREQUISITE: Algebra I

Basic elements of Euclidean and coordinate geometry including the study of points, lines planes and angles, triangles, inductive and deductive reasoning, polygons, circles, area, volume, transformations, similarity, proofs and trigonometric ratios.

### **117 – ALGEBRA II**

GRADE LEVEL: 10, 11

CREDIT: 1

DURATION: 2 semesters

PREREQUISITE: Geometry

This course is an expansion of Algebra I including linear and quadratic functions, inequalities, systems, factoring, complex numbers, polynomials, and radical functions.

### **138 – PRE-CALCULUS H**

GRADE LEVEL: 11, 12

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITE: Algebra II with a B or Higher both semesters

This course will provide an in-depth study of selected topics- including difference quotients, polynomial and rational functions, exponential and logarithmic functions, trigonometric and inverse functions, and sequences—to prepare students for Calculus I.

### **145 – ADVANCED ALGEBRA**

GRADE LEVEL: 12

CREDIT: 1

DURATION: 2 semesters

PREREQUISITE: Algebra II

Topics in this course include conic sections, probability and statistics, sequences and series, exponential, logarithmic, rational, and trigonometric functions, equations and identities. An emphasis is placed on preparing students for college level math.

### **149 – CALCULUS HC**

Dual Enrollment through Saint Louis University

GRADE LEVEL: 12

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITE: Pre-Calculus; 3.0 GPA, and Teacher Approval

This course will review some analytic geometry and properties of functions and will develop the study of limits, derivatives and integrals of algebraic, trigonometric, exponential, and logarithmic functions with applications. The course is equivalent to first semester college Calculus.

**SLU MATH 1510 Calculus I:** This course focuses on functions; continuity; limits; the derivative; differentiation from graphical, numerical and analytical viewpoints; optimization and modeling; rates and related rates; the definite integral; antiderivatives from graphical, numerical and analytical viewpoints. (4 College Credits)



## **Social Studies**

At St. Vincent High School, the goal of the Social Studies department is to help create knowledgeable, informed and responsible citizens of our community, nation and world.

### **316 – GOVERNMENT**

#### **317 – ANCIENT WORLD CULTURES**

GRADE LEVEL: 9 (Required)

CREDIT: 1

DURATION: 2 semesters

This course is an overview of American government and civics as well as an introduction to ancient world cultures. Students are required to pass both the United States and Missouri Constitution tests in the government section. In the Spring, students take a required field trip to Jefferson City to meet with our state legislators, tour the Capitol building and visit the Governor's Mansion. An emphasis is placed on projects, presentations and vocabulary.

### **324 – MODERN WORLD HISTORY**

GRADE LEVEL: 10 (Required)

CREDIT: 1

DURATION: 2 semesters

World History begins with a study of the Renaissance and continues through modern day events. Political, economic, major religions, military conflicts and social aspects of history are highlighted. Students will begin to make connections with the people and events that have shaped our world. Critical thinking and writing will be an integral part of each major assessment. During Spring semester, we will be taking a field trip to the St. Louis Holocaust Museum as part of our study of World War II.

### **335 – UNITED STATES HISTORY**

GRADE LEVEL: 11, 12

CREDIT: 1

DURATION: 2 semesters

American History begins with the Civil War and Reconstruction, America's involvement in both World Wars, the Cold War, and continues through modern day events. Political, economic, military conflicts and social aspects of American history are highlighted. In addition, students will begin to make connections with the people and events that have shaped our nation. Critical thinking and writing will be an integral part of each major assessment.

### **339 – UNITED STATES HISTORY HC**

Dual Enrollment through Saint Louis University

GRADE LEVEL: 11, 12

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITES: 3.0 GPA, Teacher and School Approval

### **SLU HIST1600 History of the United States to 1865:**

### **SLU HIST1610 History of the United States since 1865:**

This course traces the political, social and economic history of the United States from its inception through the 20<sup>th</sup> century. An emphasis is placed on reading for understanding at an advanced level, the ability to write well-developed essays and independent note-taking. (6 College Credits)

### **337 – WORLD GEOGRAPHY**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

World Geography is a guide to learning about the constantly changing world in which you live. This class will help you understand the study of geography and make sense of our complex world. While the emphasis of this class is global, the concepts of geography found in it apply to the place where you live as well. This class seeks to make geography relevant to you by making the connection between regional and global issues and your own community.

### **343 – CURRENT ISSUES**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

This course is designed to familiarize students with our government, current issues, and decisions facing the United States at the present time. International, national, state, and local issues will be examined with the intent of interpreting the significance of these events and their effect on the individual, as well as the nation. This course will attempt to place current events within a historical perspective and suggest future implications of the events. Navigating news media in the digital age will be a major theme of this course.

**345 – PSYCHOLOGY HC**

Dual Enrollment through Southeast Missouri State University

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5 (Weighted)

DURATION: 1 semester

PREREQUISITES: 3.0 GPA on a 4.0 scale, Teacher and School Approval

**SEMO PY101 Introduction to Psychology:**

Taught by SEMO Professor

This course includes perception, learning, memory, motivation, emotion, intelligence, personality, human development, psychopathology, and social behavior. (3 College Credits)

**346 – SOCIOLOGY HC**

Dual Enrollment through Southeast Missouri State University

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5 (Weighted)

DURATION: 1 semester

PREREQUISITES: 3.0 GPA on a 4.0 scale, Teacher and School Approval

**SEMO SO101 Introduction to Sociology:**

Taught by SEMO Professor

This course discusses socialization, social organizations, inequality, group dynamics, social class, culture, power, and social structure. (3 College Credits)



**Science**  
**Physics – Chemistry – Biology**

St. Vincent High School follows a logical and effective sequence in science that allows students to build upon scientific knowledge throughout their educational career. Modern biology includes molecular biology, biochemistry, genetics, and the human genome. Modern chemistry has also changed with the discoveries in atomic structure and atomic energy. We believe that a good understanding of modern biology requires a chemistry background, and a good understanding of modern chemistry requires a physics background. Our staff has worked hard to become proficient in using modeling, white boarding, and inquiry based labs. We want our students to be critical thinkers, problem solvers and see science as an extension of math.

**220 – PHYSICS**

GRADE LEVEL: 9 (Required)

CREDIT: 1

DURATION: 2 semesters

An introductory lab based course covering the scientific method, acceleration, forces, energy, electricity, magnetism, heat and waves, momentum and gravity.

**225 – CHEMISTRY**

GRADE LEVEL: 10 (Required)

CREDIT: 1

DURATION: 2 semesters

An introductory lab based course covering measuring, matter classification, the atom, bonding, properties of water, reactions, acids and bases, oxidation and reduction and organic compounds.

**235 – BIOLOGY**

GRADE LEVEL: 11 (Required)

CREDIT: 1

DURATION: 2 semesters

Lab based course. Concepts include the study of life and biological principles, the structure and function of cells, an introduction to genetics and an overview of plants and animals.

### **245 – ADVANCED BIOLOGY H**

GRADE LEVEL: 12 (Elective)

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITES: B or above in Biology, Chemistry, or Physics. Teacher Approval required.

This compelling full-year course engages students in a rigorous honors-level curriculum that emphasizes the study of life and its real world applications. This is a foundation for collegiate-level coursework. Course components include biochemistry, cellular structures and functions, genetics and heredity, bioengineering, evolution, structures and functions of the human body, and ecology. Throughout the course, students participate in a variety of interactive laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing

### **257 – ADVANCED CHEMISTRY H**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITES: B or above in Chemistry. Teacher Approval required.

This rigorous full-year course provides students with an engaging honors-level curriculum that emphasizes mathematical problem solving and practical applications of chemistry. Topics are examined in greater detail than general chemistry in order to prepare students for college-level coursework. Course components include atomic theory and structure, chemical bonding, states and changes of matter, chemical and redox reactions, stoichiometry, the gas laws, solutions, acids and bases, and nuclear and organic chemistry.

### **235 – HUMAN ANATOMY H**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5 (Weighted)

DURATION: 1 semester

PREREQUISITE: B or above in Biology, Chemistry, or Physics.

This course is the study of the human body; skeletal, muscular, nervous, cardiovascular, and respiratory systems. Labs are included.

### **236 – MICROBIOLOGY H**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5 (Weighted)

DURATION: 1 semester

PREREQUISITE: B or above in Biology, Chemistry, or Physics.

This course is considered an accelerated course. It is the study of bacteria, protozoa, fungi, viruses and functions of the immune system. Extensive lab work is included.

**249 – ADVANCED PHYSICS H**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITIVES: B or above in Chemistry. Teacher Approval required.

A lab course for the college bound. It is an application of math to the relationships between objects in motion and relationship between work and energy, wave behavior, light, heat, sound, electricity and magnetism.

**241 – FORENSICS**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 1

DURATION: 2 semesters

PREREQUISITITE: B or above in Biology, Chemistry, or Physics. Teacher Approval required.

This is a lab course that will introduce students to forensic science and its connections to biology, chemistry, earth science and physics. Topics include investigation of a crime scene, the collection and processing of evidence, and the analysis of evidence such as fingerprints, hair, fibers, blood, DNA, tool marks, firearm ballistics and trajectories, document analysis and toxicology.

**242 – EARTH SCIENCE**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 1

DURATION: 2 semesters

PREREQUISITITE: B or above in Biology, Chemistry, or Physics. Teacher Approval required.

A lab based course; Study of the solid earth (minerals, rocks, water, plate tectonics), the ocean (composition, resources, floor and shore structures, marine life waves), the atmosphere (composition, clouds, air pressure, wind weather, climate), and astronomy (solar system, constellations, light, stars).



## **Foreign Language**

Our purpose is to provide our students a better understanding of the Spanish speaking world by studying Spanish culture, language, religion and the relation of these countries to the United States for students' scholastic and societal preparation in our community.

### **415 – SPANISH I**

GRADE LEVEL: 9

CREDIT: 1

DURATION: 2 semesters

PREREQUISITE: C+ or above in eighth grade English

Spanish I is an introductory subject to the Spanish Language. The class focuses on developing interpretive skills (reading and listening comprehension). Students will be formatively assessed through dictation, reading prose, grammar in context, internet programs, vocabulary quizzes, projects and chapter tests. We will introduce them to the Spanish countries and some cultural aspects of the Hispanic World.

### **425 – SPANISH II**

GRADE LEVEL: 10

CREDIT: 1

DURATION: 2 semesters

PREREQUISITE: C or above in Spanish I

Spanish II is a continuation of the grammar of Spanish I. Students will be introduced to past tense and continue incorporating the present tense and other areas of grammar that were previously learned using higher level tasks. This class will emphasize writing and speaking performance. Students will be formatively assessed through grammar in context, vocab quizzes, projects, conversational skills and summative assessment tests. Group activities and lessons are very common at this level. Emphasis will be on implementing collaborative learning in order to develop communication skills.

**439 – SPANISH III H**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITE: B- or above in Spanish II and Teacher Approval

Spanish III will be moving into a more complex type of grammar. Students will still be assessed through reading comprehension, speaking and presentational skills, computer programs, and many other collaborative activities. Conversational activities are very common at this level. Reading comprehension will be more extensive with a broader range of words. At this level students are expected to understand the basics of grammar, pronunciation and be able to understand interrogatives and be subject to conversations.

**449 – SPANISH IV H**

GRADE LEVEL: 12 (Elective)

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITE: B- or above in Spanish III and Teacher Approval

Spanish IV will focus on effective speaking in the real world by developing skills that enhance fluency. Through various speaking projects and lessons, students will be concentrating on the cultural and historical aspects of many different Spanish speaking countries. Students will be subject to extensive readings, projects, activities and presentations. The entire class will be conducted in Spanish and will be more of a seminar setting for most classes. Speaking and listening comprehension are the main targets at this level. The grammar will be a more practical review of previous Spanish classes.



## **Visual and Performing Arts**

Visual and Performing Arts at St. Vincent High School are based on a passionate belief that the arts are an essential part of life and education, integral in the social development of every child, and vital in the understanding of diverse cultures. Students learn to express themselves artistically as individuals and in collaboration with others. Our community sees, supports, and sustains visual and performing arts education not only for immediate values of performance and the appreciation of beauty, but for ways of understanding the world, for the development of the mind, and for many underlying skills and understandings that are necessary for success in life.

### **615 – BAND**

GRADE LEVEL: 9, 10, 11, 12 (Elective)

CREDIT: 1

DURATION: 2 semesters

PREREQUISITE: Teacher Approval if new to Band

Building on prior concepts and skills, students will be a part of the marching and concert band. Students will have the opportunity to become members of District-Honors Band and State Honors Band and the opportunity to perform solo and ensemble at the District Music Festival and State Music Festivals, as well as other events.

### **608 – ADVANCED BAND H**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 1 (Weighted)

DURATION: 2 semesters

PREREQUISITE: Teacher Approval

Students taking high school band for the third and fourth year will receive higher course weight upon demonstration of the following:

- Chromatic Scale full range of the instrument
- Bb, Eb, F, and Ab Scales full range of the instrument
- Ability to read rhythms down to the subdivision of one fourth of a beat.

This skill will enable them to read and perform advanced literature.

**616 – CHOIR**

GRADE LEVEL: 9, 10, 11, 12 (Elective)

CREDIT: 0.5

DURATION: 2 semesters

PREREQUISITE: Teacher Approval

Building on prior concepts/skills and developing vocal techniques and fundamentals, students will have the opportunity to audition for District and State Honors Choir, and to perform solo or ensembles at District and State Music Festivals, as well as other places. This course meets before school three days a week and is on a pass/fail grading system.

**617 – DRAMA**

GRADE LEVEL: 9, 10, 11, 12 (Elective)

CREDIT: 1

DURATION: 2 semesters

PREREQUISITE: Teacher Approval

Students will have an overview of acting techniques, play productions, stage lighting, costumes, and makeup. Students will also gain theatre vocabulary and an appreciation for script reading and analysis. Theatre is a reflection of life itself and students will also gain life skills.

**625 – ADVANCED DRAMA**

GRADE LEVEL: 10, 11, 12 (Elective)

CREDIT: 1

DURATION: 2 semesters

PREREQUISITE: Drama I and Teacher Approval

Students will be leaders to their peers in Drama I, learning more in-depth acting techniques, script analysis and stagecraft. Students will take part in extracurricular drama department productions.

*Sequence for Students wanting emphasis in Art: Art I/Drawing (9) — Painting/Three Dim Art (10) — Art Expressions (11, 12) — Portfolio Art (12)*

**618 – ART I**

GRADE LEVEL: 9, 10, 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

PREREQUISITE: Teacher Approval

Intro to a wide variety of artists, their techniques and media; emphasis on basic design principles.

**619 – DRAWING**

GRADE LEVEL: 9, 10, 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

PREREQUISITE: Teacher Approval

Principles and techniques of drawing introduced in Art I explored and developed through the use of a variety of drawing media; emphasis on line, value, form and space.

**626 – PAINTING**

GRADE LEVEL: 10, 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

PREREQUISITE: Teacher Approval

Principles and techniques of painting introduced in Art I explored and developed through the use of a variety of painting media; emphasis on color, form and composition.

**627 – THREE DIMENSIONAL ART**

GRADE LEVEL: 10, 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

PREREQUISITE: C minimum in Art I; Teacher Approval

Principles and techniques of 3-D art introduced in Art I explored and developed through the use of a variety of media, including building with clay.

**635 – ART EXPRESSIONS**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

PREREQUISITE: C in Art I, Drawing, Painting, 3D; Teacher Approval

Principles and techniques of Art I, Drawing, Painting, 3-D Art developed in a studio atmosphere.

**645 – PORTFOLIO ART**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

PREREQUISITE: Teacher Approval

For students hoping to go into an art-related profession; designed to develop a portfolio suitable for presentation at college entrance level.



## **Business and Technology**

Got things you want to do? Beliefs you are passionate about? Goals you have got to achieve? Business makes things happen and affects every part of our society. Whatever you want to do, understanding business will help you achieve it.

### **926 – CAREER AND LIFE SKILLS**

GRADE LEVEL: 10 (Required)

CREDIT: 0.5

DURATION: 1 semester

This course will increase student's knowledge and ability in the skills necessary for the workforce. Emphasis is on planning and preparing for the future to become a successful worker and citizen. Topics include college and career exploration, the career planning process, the job interview process and business etiquette. Students participate in a job shadow with a business in a future profession and a meal practicing dining etiquette.

### **928 – INTRODUCTION TO BUSINESS PRINCIPLES AND MANAGEMENT**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

Introduction to the exciting and challenging world of business. Describes various forms of business ownership, organization and operation of business, the relationships of business to society, and the role of work management. Preparation to be a knowledgeable consumer, well-prepared employee, and effective citizen in our economy.

### **935 – ACCOUNTING**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 1

DURATION: 2 semesters

The study of accounting principles, including the accounting cycle, forms of business organization, assets, liabilities, owner's equity and financial statements preparation and analysis. Examples are drawn from a service business organized as a proprietorship.

### **950 – PERSONAL FINANCE**

GRADE LEVEL: 9 (Required)

CREDIT: 1

DURATION: 2 semesters

Introduction to financial planning, money management, beginning and preparing budgets, and other financial records; with emphasis on using a checking account and examination of paycheck benefits. This class will explore investment options for the future such as stocks, bonds, mutual funds, real estate, etc. and understand tax forms and laws. Students in this course will use an online financial literacy program called Everfi which uses the learning platform with the latest technology - video, animations, 3D gaming, and avatars to bring financial concepts to life.

### **951– ADVANCED PERSONAL FINANCE**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

PREREQUISITE: Personal Finance

This class will explore making good decisions based on needs and wants, such as housing options, buying and reselling vehicles and various family decisions including family financial responsibility, property insurance, health insurance and life insurance, and planning and organizing individual estates focusing on wills and trusts.

### **336 – ECONOMICS**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 0.5

DURATION: 1 semester

Examine the way in which economics affects the lives of individuals and how it shapes their world. Prepare students for living in a world in which they work, buy, sell, and actively participate as citizens who make choices. Students will learn about supply and demand, capital and labor, the role of business and government and its role in businesses and industry.

### **031 – MARKETING DESIGN**

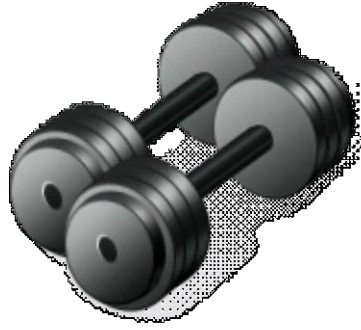
GRADE LEVEL: 11, 12 (Elective)

CREDIT: 1

DURATION: 2 semesters

PREREQUISITE: Teacher Approval

This is an introductory course to improve skills in the area of graphic design, layout, and printing production. The software utilized in the course is from Adobe's Creative Design Suite (with Photoshop, Illustrator, and Lightroom being the main focus).



## **Physical Education**

A healthy, physically active child is more likely to be academically motivated, alert and successful in school and more likely to establish habits that will foster good health throughout life, thereby enhancing the quality of life. Fostering healthy children is the shared responsibility of families, communities and schools.

### **725 – HEALTH**

GRADE LEVEL: 10 (Required)

CREDIT: 0.5

DURATION: 1 semester

Topics studied are physical, mental and social well-being, along with nutrition and reproductive health.

### **726 – WEIGHTLIFTING**

GRADE LEVEL: 10, 11, 12 (Elective)

CREDIT: 0.5 – 1

DURATION: 1 – 2 semester(s)

PREREQUISITE: Teacher Approval

Basic techniques and tools of lifting, strength training, progressive lifting, role of spotters and safety procedures, muscle identification, regular quizzes, quarterly fitness tests.

### **727 – FITNESS AND LIFETIME ACTIVITIES**

GRADE LEVEL: 10, 11, 12 (Elective)

CREDIT: 1

DURATION: 2 semesters

Emphasis on sport activities that can be used throughout life.

### **728 – SPORT MAINTENANCE**

GRADE LEVEL: 11, 12 (Elective)

CREDIT: 1

DURATION: 2 semesters

Provides students with an introduction to the principles and practices involved in the maintenance and operation of sport and athletic facilities. They learn about equipment upkeep, facility safety, scheduling, as well as field and court care.

## Career Center

The Perryville Area Career and Technology Center has partnered with St. Vincent High School to provide excellent programs that offer skill development and personal enrichment. Students are expected to attend the Career Center every single afternoon PCSD32 is in session and are required to follow their guidelines and rules.

### **VT 4500 – AUTO COLLISION REPAIR I**

### **VT 4510 – AUTO COLLISION REPAIR II**

Auto Collision Repair is a two-year program designed for students interested in learning about auto collision repair, and or pursuing a career related pathway. Students will learn about vehicle structure, body alignment, component identification, steel welding, plastic welding, adhesives, mechanical related repairs, base-coat clear-coat paint and refinish, sheet metal repair, body repair fillers, all while performing project based learning in the lab/shop. Safety on the job, and environmental awareness within the collision industry is addressed. Hands-on training is the desired method, as theory emphasizes application of principles including, ASE, damage estimating, I-CAR, and multiple aspects of collision repair training. Students will meet entry-level job standards enabling them to pursue a career, or further their education at a technical college. Skills USA membership is required. ***This program participates in I-CAR certification.***

GRADE LEVEL: 11, 12

CREDIT: 6 (3 per year)

DURATION: 4 semesters (2 full years)

### **VT 4520 – AUTO SERVICE TECHNOLOGY I**

### **VT 4530 – AUTO SERVICE TECHNOLOGY II**

Auto Service Technology is a two-year program designed to prepare the student for entry-level into the automotive service field and/or additional post-secondary training. A combination of classroom and lab/shop (hands-on) experience is included for the student to build upon. Areas stressed are shop safety and operation; career opportunities; automotive computer systems; basic auto electrical system; batteries, starters, and chargers; lighting and accessories; ignition system; fuel emissions; lubrication; cooling; steering and suspension; tire and wheel alignment; disc, drum and anti-skid brakes; and transmission service. Students have the opportunity to participate in the Ford Motor Company ACE program. They also have the opportunity to earn the ASE Student Certification and the Snap-On Student Certification. Skills USA membership is required.

GRADE LEVEL: 11, 12

CREDIT: 6 (3 per year)

DURATION: 4 semesters (2 full years)

### **VT 4550 – CONSTRUCTION TECHNOLOGY I**

### **VT 4560 – CONSTRUCTION TECHNOLOGY II**

Construction Technology is a two-year program that provides a real time job situation for students interested in acquiring construction skills. The students will be exposed to most phases of construction and actively participate in the construction of a house. As part of a three-to-four man crew, valuable leadership and teamwork skills will be acquired. Skills USA membership is required.

GRADE LEVEL: 11, 12

CREDIT: 6 (3 per year)

DURATION: 4 semesters (2 full years)

### **VT 4570 - INFORMATION TECHNOLOGY & ELECTRICITY I**

### **VT 4580 - INFORMATION TECHNOLOGY & ELECTRICITY II**

Information Technology & Electricity (ITE) is a two-year program that provides students with a solid foundation of the skills needed to succeed in the twenty-first century. The course uses a highly recognized world-wide curriculum. The Information Technology (IT) course provides an overview of challenges related to digital transformation of our society. The course examines the evolution of the Internet and how people, data, and things are transforming every industry. Learn prototyping techniques using sensors, electronics, Arduino and Raspberry Pi microcontrollers. Other embedded courses include Computer Maintenance, Cybersecurity, Mobile devices, Networking, and Linux, IOS, Windows. Develop high-demand Information Technology skills and creative problem-solving, critical thinking, collaboration, [www.ayehu.com](http://www.ayehu.com) and communication in hands-on lab and networked experiences. The Electricity course provides a basic understanding of the science behind electricity. It will also provide a solid foundation for troubleshooting, electricity fundamentals, Wiring methods and materials, AC/DC circuitry, Magnetic and electric fields, Electrical codes and safety. Skills USA membership is required.

GRADE LEVEL: 11, 12

CREDIT: 6 (3 per year)

DURATION: 4 semesters (2 full years)

### **VT4800 – INDUSTRIAL TECHNOLOGY I**

### **VT4810 – INDUSTRIAL TECHNOLOGY II**

Industrial & Engineering Technology is a two-year program that will provide a foundation for students interested in Engineering, Design & Fabrication. Students will learn to design using 3D CAD software including Solid works and BobCAD-CAM, along with using 3D printers and programming robots. Students will learn about equipment & machines and how the technical and mechanical parts work together to perform an operation or task along with PLC programming. The foundation of the course uses the engineering design process for problem-solving and decision making. Students will have the opportunity to design and build projects using state of the art machining and fabricating equipment, including a milling machine, metal lathe, brake, sheer, slip roller, tube bender, MIG & TIG welders, plasma cutter, calipers, micrometer and various other equipment and tools. Students will be engaged and Challenged as they prepare to be innovators in the 21st century. Skills USA membership is required.

GRADE: 11, 12

CREDIT: 6 (3 per year)

DURATION: 4 semesters (2 full years)

### **VT 4640 – WELDING TECHNOLOGY I**

### **VT 4650 – WELDING TECHNOLOGY II**

Welding is a two-year program designed to prepare students to enter advanced training or enter the workforce in the welding field. Instruction will include safety, oxyfuel set up, oxyfuel welding, and cutting in all positions, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Plasma Arc Cutting (PAC), and setup, and operation of modern welding equipment.

Students will bring in projects and build projects in class. Skills USA membership is required.

GRADE LEVEL: 11, 12

CREDIT: 6 (3 per year)

DURATION: 4 semesters (2 full years)

**VT 4590 – GRAPHIC DESIGN I****VT 4600 – GRAPHIC DESIGN II**

Graphic Communication/Printing is a two-year program designed to prepare students for entry level employment or advanced training in the design and printing industry. Instruction includes classroom and hands-on experience in safety, job orders, customer layouts, use of Adobe Creative Suite programs on Apple/Macintosh computers. Step by step projects of design and typography, electronic imaging, digital duplicating, finishing operations, paper and packaging. Hands-on screen press operations (printing on T-shirts). Instruction in vinyl cutting for signs, banners, etc. Embroidery machine instruction, digitizing and technique. Hands-on lab experiences are a major portion of this program. Skills USA membership is required.

GRADE LEVEL: 11, 12

CREDIT: 6 (3 per year)

DURATION: 4 semesters (2 full years)

**VT 4740 – DIGITAL MEDIA I****VT 4745 – DIGITAL MEDIA II**

Digital Media is a two-year program that prepares students for entry-level employment or further training at a community or four-year college. Instruction includes such basics as understanding and using the video camera, story boarding, script writing, editing, lighting and set design.

Advanced skills will be demonstrated in directing and producing programs. Students have the opportunity to learn how to produce newscasts, computer multimedia, public service announcements, video news magazines, and Hollywood style movie productions. Skills USA membership is required.

GRADE LEVEL: 11, 12

CREDIT: 6 (3 per year)

DURATION: 4 semesters (2 full years)

**VT 4610 – HEALTH OCCUPATIONS**

Health Occupations is a one -year course designed to prepare students for entry-level employment in the health care field. Instruction includes the opportunity to study the health care delivery system, communication and observation skills, safety, concepts of microbiology, anatomy and physiology, life stages, related health disorders, and the care of specific groups of people such as children and the elderly. Procedures related to basic nursing care will also be taught and students will be expected to demonstrate those procedures. A clinical rotation will be a major part of the second semester and students will work toward becoming a state Certified Nurse Assistant (C.N.A.) by spending clinical hours in the nursing home and local hospital. The students have the opportunity to receive dual credit for medical terminology. They may receive up to 6 college credits through Mineral Area College HLT 2350 and HLT 2360 provided they meet MAC requirements. Skills USA membership is required.

GRADE LEVEL: 12

CREDIT: 3

DURATION: 2 semesters (1 full year)

## **VT 4750 – EARLY CHILDHOOD PROFESSIONALS I**

## **VT 4755 – EARLY CHILDHOOD PROFESSIONALS II**

Early Childhood Professionals is a two-year course designed for students who desire to work in careers involving young children (birth to 8 years of age). The focus of this course is designed for students pursuing a career in early childhood education. The course includes early child development (typical and non-typical), health, safety, and nutrition of young children, childcare regulations, and skills necessary to work in an early childhood setting. Students will participate in and be responsible for planning activities that stimulate a child's cognitive, language, physical, behavioral and social/emotional development. Students will also learn about positive child guidance and restorative practices that are necessary in the early childhood classroom. Students will observe and practice the skills they have learned in local preschools and primary school classrooms. Those students interested in earning A+ tutoring hours may do so. Ste. Genevieve students may earn 20 A+ hours per clinical semester only. Perryville, Saxony, St. Vincent and Meadow Heights may earn 50 A+ hours. College credit is available that may be applied toward a Child Development Associate Certificate (CDA) at Mineral Area College. Skills USA membership is required.

**GRADE LEVEL:** 11, 12

**CREDIT:** 6 (3 per year)

**DURATION:** 4 semesters (2 full years)

**PREREQUISITE:** Year 2 requires instructor approval.

## **VT4610 ENTREPRENEURSHIP/MANAGEMENT**

### **CEO PROGRAM**

Creating Entrepreneurial Opportunities (CEO) Program is a year-long course designed to utilize partnerships that provide an overview of business development and processes. Our local business community partners with area schools to create project-based experiences for students by providing funding, expertise, meeting space, business tours, and one-on-one mentoring. Students visit area businesses, learn from guest speakers, participate in a class business, write business plans, and start and operate their own business. Business concepts learned through the experiential CEO class are critical; the 21<sup>st</sup> century skills of problem solving, teamwork, self-motivation, responsibility, higher-order thinking, communication, and inquiry are at the heart of a student's development throughout the course.

**GRADE:** 12

**CREDIT:** 1 unit

**DURATION:** 2 semesters (full year)

**PREREQUISITE:** Completed any of the following at SV: Accounting, Economics, Advanced Personal Finance, Introduction to Business.