

## 2024-2025 FRESHMEN - REQUIRED COURSES:

<p><b>ENGLISH</b> Required for graduation</p>	<p><b>ENGLISH 1:</b> (1 credit) Students will immerse themselves in a variety of literary forms, examining these forms in order to become competent readers, writers, speakers, and listeners. Over the course of the year, students will engage texts in order to answer questions and learn new questions to ask. The course will place emphasis on integrating the reading and writing of different forms of language, with a view to enabling students to effectively interact with language in their world.</p>
<p><b>MATH</b> Required for graduation</p>	<p><b>ALGEBRA 1:</b> (1 credit) Algebra 1 shall provide students with an introduction to the concepts of algebra, and at the same time, solidify their grasp of arithmetic concepts and procedures. It will also provide exploratory experience in problem solving. A student who is successful with this program should be ready to move into Geometry. <b>PREREQUISITE:</b> Placement is determined by grades in Algebra Essentials and STAR test scores.</p> <p><b>ADVANCED ALGEBRA 1:</b> (1 credit) This college-preparatory course is designed to help the student understand the basic structure of the real number system, through the use of factoring, solving equations and inequalities, working with polynomials, and graphing. <b>PREREQUISITE:</b> Placement is determined by grades in Algebra Essentials and STAR test scores.</p> <p><b>ADVANCED GEOMETRY:</b> (1 credit) Plane Geometry stresses the development of deductive proof. Concepts of solid geometry are integrated with plane geometry in addition to units on trigonometry, area and volume, constructions and loci, coordinate geometry and transformations. Algebra skills are reviewed and strengthened through application to solving problems in geometry. <b>PREREQUISITE:</b> Students must successfully complete Advanced Algebra 1 or Algebra 1 with teacher approval.</p>
<p><b>PE/STRENGTH/ HEALTH/DRIVER ED</b> Select a combination of courses to earn 1 credit.</p> <p>Health and SCED 105 are required for graduation</p>	<p><b>STRENGTH:</b> (1/2 credit per semester) Weight training, agility and speed training activities are the main focus of this elective class. Students are expected to be very motivated in striving to reach their personal goals of strength and or fitness.</p> <p><b>VIKING FIT:</b> (1/2 credit per semester) This course offers students the opportunity to participate in a number of activities, which promote the integration of physical, mental, emotional, and social development. Students will engage in a variety of moderate to vigorous physical activities that promote lifelong health and wellness through a curriculum of fitness-based and sport-based activities. Rules, skills and game play will be introduced during individual and team activities, and the fitness center will be utilized on a regular basis. Students are required to dress in a PE uniform purchased through the physical education department and are expected to be active participants on a daily basis.</p> <p><b>DRIVER EDUCATION:</b> (1/2 Credit) Students must be 15 by the first day of class to enroll in Driver Ed as well as passed eight classes in the last two semesters. Placement into the class is automatic by birth date, unless a student has indicated they will be taking the class through an outside agency or would like to wait to take the class. The driver education program at Tri-Valley consists of nine weeks in the classroom, a minimum of six hours of behind the wheel driving and six hours of observation. The classroom deals with topics of safe defensive driving attitudes and the logic for them. The driving puts the classroom theory into practical application with as many driving situations being covered as time allows. A fee of \$250/student is charged to offset the expenses incurred. <b>PREREQUISITE:</b> Students are placed in this class based on their birthdate.</p>

	<p><b>HEALTH:</b> (½ credit) The students will review basic concepts of health and advanced concepts and career information in each area. Units include anatomy of some organ systems, community health, diseases and epidemiology, controlled substances, first aid/CPR/AED, environmental health, mental health, values clarification, and family life. Students are asked to make value judgments and are encouraged to begin lifelong health habits.</p>
<p><b>SCIENCE</b> Required for graduation</p>	<p><b>BIOLOGY:</b> (1 credit) Biology is a course designed to help students develop an understanding of how all areas of science are involved in their lives. Students will investigate biological science through lecture, numerous hands-on laboratory exercises and experiments. Topics of instruction include lab safety, tools and techniques, cells, cellular energy, genetics, ecology, evolution, and classification of living organisms.</p> <p><b>ADVANCED BIOLOGY:</b> (1 credit) Advanced Biology is a course designed to help students develop a thorough understanding of how all areas of science are involved in living organisms. It covers life processes and interactions at a cellular, organism, population and ecosystem level. Students will investigate biological science through lecture and apply this knowledge in numerous hands-on laboratory exercises and experiments. Topics of instruction integrate lab safety, tools and techniques, cytology, cellular energy, genetics, ecology, evolution, and classification into all living organisms.</p>
<p><b>SOCIAL SCIENCE</b> May be used for the graduation requirement</p>	<p><b>CIVILIZATIONS:</b> (½ credit) Students will explore themes across world history and different civilizations, people, and places. These themes include but are not limited to; Political change, religious beliefs, military/violence, and human environment and trading interaction. Students will study themes across areas of history from prehistoric times until the 19th century. Students will compare/contrast, analyze, collaborate, and examine important themes across this time period.</p> <p><b>MODERN THEMES IN HISTORY:</b> (½ credit) Students will explore how events in the past have shaped our world view today, both domestically and internationally. Using themes such as Migration/Movement, Today vs. Yesterday, and relationships with the United States, students will use cause and effect relationships, contextualization, and other skills to explore changes over time.</p>

## FRESHMEN - ELECTIVE COURSES:

### Students may also take one Study Hall per semester

<b>AGRICULTURE</b>	<p><b>INTRODUCTION TO AGRICULTURE:</b> (1 credit) This orientation course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, horticulture, natural resources, and agribusiness management will be presented. Participation in FFA student organization activities is highly encouraged and all students will complete a Supervised Agricultural Experience (SAE) project as it is an integral course component for leadership development, career exploration and reinforcement of academic concepts.</p>
<b>BUSINESS</b>	<p><b>MS OFFICE APPLICATIONS:</b> (1/2 credit) Students will acquire an understanding of basic technology skills and apply those to real-life situations. The course will be project-based and will deal with programs such as Word, Excel, Powerpoint, and Access. The students will edit a storybook, develop a business plan, plan events, and create a travel presentation.</p> <p><b>MEDIA APPLICATIONS:</b> (1/2 credit) Students will acquire an understanding of basic technology skills and apply those skills to meaningful real-life situations. The course will be project-based and will deal with programs such as Macromedia Flash, Photoshop, and Windows DVD Maker. The students will animate a short story, create a digital scrapbook, and make their own commercials.</p>
<b>FINE ARTS</b>	<p><b>INTRODUCTION TO ART:</b> (1 credit) Introduction to Art is a preliminary high school art course that explores the versatile range of the visual arts. Students will explore a variety of art media, and techniques that will help them to establish a fundamental foundation in the visual arts. Not only will students be creating artwork on a daily basis, they will be introduced to art history and learn how to critique and discuss artwork. This class will be a mandatory class for any student who wishes to continue in the art program. This class will provide students with foundational skills that will aid them in any profession they wish to pursue.</p> <p><b>BAND:</b> (1 credit) The Tri-Valley High School Band is the final and most advanced performing group in the instrumental music program. All band students will participate in Marching Band. This segment of the class is co-curricular, and performance expectations will be clearly announced at the beginning of the school year. Marching Band members are expected to attend summer rehearsals and summer band camp. Dates will be published, so that all participants are informed. Concert Band is the final portion of the Tri-Valley instrumental music program. Students attend full band rehearsals learning and preparing music for 3-4 band performances per year, and one individual/small group contest. Styles of music learned include standard band literature, marches, folk tunes, show tunes, modern wind band literature, and pop and Broadway hits. Students are expected to practice at home as needed to learn their parts and to attend all performances. Band members may participate in the following related activities: Jazz Band, Illinois Music Educators Festival, IHSA Solo and Ensemble contest, IHSA organization contest. Jazz band participation is based upon enrollment into High School Band class. Jazz Band is not graded, but is an extracurricular portion of High School Band.</p> <p><b>PREREQUISITE:</b> Students must successfully complete four years of middle school band or have permission from the instructor to enroll.</p> <p><b>CHOIR:</b> (1 credit) The High School Concert Choir is a vocal ensemble that meets daily to study, rehearse and perform vocal literature. Study includes works from all periods of music history. In addition to English, works are studied and presented in the major languages of vocal music (Italian, Latin, French, and German). Emphasis is also placed on good choral technique, with attention given to breathing, posture and diction. In addition to choral literature, topics include music history, basic music theory, music reading and score study. Students perform in a minimum of four concert/contest settings and have several opportunities to perform in other settings as well.</p>

<p><b>FOREIGN LANGUAGE</b></p>	<p><b>SPANISH 1:</b> (1 credit) Students begin learning the basics of Spanish grammar, with special attention focused on verb tenses and vocabulary. Language fluency, including reading, writing, listening and speaking skills are developed through practice and with tapes, videos, and activities used to make classroom interaction meaningful. Students build on their appreciation of the Hispanic culture and civilization.</p> <p><b>SPANISH 2:</b> (1 credit) This course is a continuation of Spanish I and is very similar in format with an emphasis on increasing students' active and passive vocabulary. Students continue with the basics of Spanish grammar, with special attention focused on verb tenses. Language fluency, including reading, writing, listening and speaking skills are developed through practice and with tapes, videos, and activities used to make classroom interaction meaningful. Students build on their appreciation of the Hispanic cultures and civilizations.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Spanish 1 in 8th grade.</p>
<p><b>INDUSTRIAL TECHNOLOGY</b></p>	<p><b>INTRODUCTION TO INDUSTRIAL TECHNOLOGY:</b> (1 credit) This course serves as an explorative and enriching introduction to Industrial Technology and Engineering. Students will be involved in such activities as drafting, CAD, 3-D printing, woodworking, sheet metal, welding, and various phases of the construction industry as time allows. Time allotments will vary per area of interest. This course should acquaint the student with some of the various aspects of industry and better prepare them for life. Certain lab fees required for materials and/or supplies. This course is a prerequisite for all other courses within the ITE department.</p>

## 2024-2025 SOPHOMORES - REQUIRED COURSES:

<p><b>ENGLISH</b> Required for graduation</p>	<p><b>ENGLISH 2:</b> (1 credit) English 2 is designed for students to continue practicing reading and writing skills. Students will study a wide variety of world literature with different composition styles and write essays for a variety of purposes. Students will practice speaking, listening, and writing strategies, use organizational skills, and apply research techniques. Course work will include outside reading using strategies taught in class, written evaluation of the reading, creative projects, and various essays. Throughout the course, students will learn the skills necessary to be a successful reader, writer, listener, and speaker. Students will learn to analyze literature, use critical thinking skills, and organize their thoughts through oral communication and written word. Students will practice higher level writing and begin the research process. The strategies learned in this class will lead to success in the classroom, but they will also be beneficial for all future endeavors. <b>PREREQUISITE:</b> Students must successfully complete English 1.</p>
<p><b>MATH</b> Required for graduation</p>	<p><b>GEOMETRY:</b> (1 credit) This course is designed to provide students with an understanding of the central concepts of Geometry. Topics include, but are not limited to, triangle relationships, triangle congruence, quadrilaterals, area of polygons, volume of solids, right triangle trigonometry, and circle relationships. The concept of mathematical proofs is introduced with a concentration on two-column proofs. <b>PREREQUISITE:</b> Students must successfully complete Algebra 1.</p> <p><b>ADVANCED GEOMETRY:</b> (1 credit) Plane Geometry stresses the development of deductive proof. Concepts of solid geometry are integrated with plane geometry in addition to units on trigonometry, area and volume, constructions and loci, coordinate geometry and transformations. Algebra skills are reviewed and strengthened through application to solving problems in geometry. <b>PREREQUISITE:</b> Students must successfully complete Advanced Algebra 1 or Algebra 1 with teacher approval.</p> <p><b>ADVANCED ALGEBRA 2 WITH TRIGONOMETRY:</b> (1 credit) The emphasis in this course is on the solution of a variety of equations and their applications to the solution of word problems. A coordination of algebra and geometry is developed and topics such as right triangle trigonometry, probability and sequences are also included. <b>PREREQUISITE:</b> Students must successfully complete Plane Geometry or Geometry with instructor approval. Students may be concurrently enrolled in Plane Geometry while taking this course with teacher approval.</p>
<p><b>PE/STRENGTH/ HEALTH/DRIVER ED</b> Select a combination of courses to earn 1 credit. Health and SCED 105 are required for graduation</p>	<p><b>HEALTH:</b> (1/2 credit) The students will review basic and advanced concepts of health and career information in each area. Units include anatomy of some organ systems, community health, diseases and epidemiology, controlled substances, first aid/CPR/AED, environmental health, mental health, values clarification, and family life. Students are asked to make value judgments and are encouraged to begin lifelong health habits.</p> <p><b>STRENGTH:</b> (1/2 credit per semester) Weight training, agility and speed training activities are the main focus of this elective class. Students are expected to be very motivated in striving to reach their personal goals of strength and or fitness.</p> <p><b>VIKING FIT:</b> (1/2 credit per semester) This course offers students the opportunity to participate in a number of activities, which promote the integration of physical, mental, emotional, and social development. Students will engage in a variety of moderate to vigorous physical activities that promote lifelong health and wellness through a curriculum of fitness-based and sport-based activities. Rules, skills and game play will be introduced during individual and team activities, and the fitness center will be utilized on a regular basis. Students are required to dress in a PE uniform purchased through the physical education department and are expected to be active participants on a daily basis.</p>



# SOPHOMORES - ELECTIVE COURSES:

## Students may also take one Study Hall per semester

<p><b>AGRICULTURE</b></p>	<p><b>AGRICULTURE SCIENCE: ANIMAL, FOOD, AND PLANT:</b> (1 credit) The Agriculture Science course is designed to continue exposing students to the opportunities in the number one industry in the world, agriculture. The course is split into three sections: Plant Science, Food Science, and Animal Science. During the fall semester, students will learn about the science of growing crops (corn, soybeans, etc.) to feed the world as well as all of the skills it requires to grow such a crop. Specific topics covered during the fall will include weed identification and management, Integrated Pest Management, corn, soybeans, soil science, and food science. The spring semester will focus on animal production in agriculture as well as its impact on the environment. Specific topics covered include animal body systems reproduction, as well as specific livestock production practices. Participation in FFA student organization activities is highly encouraged and all students will complete a Supervised Agricultural Experience (SAE) project as it is an integral course component for leadership development, career exploration and reinforcement of academic concepts.</p> <p><b>PRINCIPLES OF AGRICULTURAL SCIENCE - ANIMAL (ASA):</b> (1 credit) This course will expose students to agriculture, animal science, and related career options. Students participating in the ASA course will have experiences in various animal science concepts with exciting hands-on activities, projects, and problems. Students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel, face in their respective careers. <b>PREREQUISITE:</b> Sophomores must have an A in Biology.</p>
<p><b>BUSINESS</b></p>	<p><b>ACCOUNTING 1:</b> (1 credit) The accounting course is designed to develop an understanding of the relationship between accounting and business, the accounting cycle, and the fundamental accounting principles and procedures performed in a service, merchandising business, sole proprietorship, and partnership. You need not want to major in accounting to benefit from this course.</p> <p><b>MEDIA APPLICATIONS:</b> (1/2 credit) Students will acquire an understanding of basic technology skills and apply those skills to meaningful real-life situations. The course will be project-based and will deal with programs such as Macromedia Flash, Photoshop, and Windows DVD Maker. The students will animate a short story, create a digital scrapbook, and make their own commercials.</p> <p><b>MS OFFICE APPLICATIONS:</b> (1/2 credit) Students will acquire an understanding of basic technology skills and apply those to real-life situations. The course will be project-based and will deal with programs such as Word, Excel, Powerpoint, and Access. The students will edit a storybook, develop a business plan, plan events, and create a travel presentation.</p>
<p><b>FINE ARTS</b></p>	<p><b>INTRODUCTION TO ART:</b> (1 credit) Introduction to Art is a preliminary high school art course that explores the versatile range of the visual arts. Students will explore a variety of art media, and techniques that will help them to establish a fundamental foundation in the visual arts. Not only will students be creating artwork on a daily basis, they will be introduced to art history and learn how to critique and discuss artwork. This class will be a mandatory class for any student who wishes to continue in the art program. This class will provide students with foundational skills that will aid them in any profession they wish to pursue.</p>

**CERAMICS:** (1/2 credit) Students will learn ceramic hand building, wheel throwing, and glazing techniques. This class will be recommended for any student wishing to pursue any visual art career (design and fine art). **PREREQUISITE:** Students must successfully complete Introduction to Art with a D- or higher.

**DESIGN FOUNDATIONS:** (1/2 credit) Design Foundations will tie into classes currently offered, such as Media Applications and Digital Media 101 (dual-credit). Students will learn about design elements, principles and careers and will create projects such as posters, product designs and logos. This class will be recommended to any student wishing to pursue a career in Visual Design (commercial design, interior design, fashion, architecture, animation, etc.). Class is only offered every other year. **PREREQUISITE:** Students must successfully complete Introduction to Art with a D- or higher.

**DRAWING:** (1/2 credit) Students will learn about fundamental drawing media (graphite, ink, pastel) and techniques. This class will be recommended to any student who wishes to pursue any visual art career (design or fine art). **PREREQUISITE:** Students must successfully complete Introduction to Art with a D- or higher.

**PAINTING:** (1/2 credit) Students will learn about fundamental painting media (acrylic, watercolor, oil) and techniques. This class will be recommended to any student who wishes to pursue any visual art career (design or fine art). **PREREQUISITE:** Students must successfully complete Introduction to Art with a D- or higher.

**SCULPTURE:** (1/2 credit) Students will learn about 3D design, media, and techniques and it will be recommended for any student wishing to pursue any visual art career (design and fine art). Class is offered every other year. **PREREQUISITE:** Students must successfully complete Introduction to Art with a D- or higher.

**TRADITIONAL CRAFT:** (1/2 credit) Students will learn about traditional craft media, such as glass, fiber, wood, metals, and mixed media. This class is recommended for any student wishing to pursue a career in one of the above fields. **PREREQUISITE:** Students must successfully complete Introduction to Art with a D- or higher.

**YEARBOOK:** (1 credit) This class is responsible for creating and producing the annual Tri-Valley High School yearbook. This class is for any student interested in photography, layout design, photo editing, and computer technologies. Students in this class are responsible for taking photographs of all sports, school events, and extracurricular activities, designing page layouts, creating records, and editing the yearbook. This is a class that requires a lot of work to be done outside of school hours, but the end result is very rewarding. Yearbook can only be taken twice. **PREREQUISITE:** Students must complete English with a "C-" or higher.

**CHOIR:** (1 credit) The High School Concert Choir is a vocal ensemble that meets daily to study, rehearse and perform vocal literature. Study includes works from all periods of music history. In addition to English, works are studied and presented in the major languages of vocal music (Italian, Latin, French, and German). Emphasis is also placed on good choral technique, with attention given to breathing, posture and diction. In addition to choral literature, topics include music history, basic music theory, music reading and score study. Students perform in a minimum of four concert/contest settings and have several opportunities to perform in other settings as well.



	<p><b>BAND:</b> (1 credit) The Tri-Valley High School Band is the final and most advanced performing group in the instrumental music program. All band students will participate in Marching Band. This segment of the class is co-curricular, and performance expectations will be clearly announced at the beginning of the school year. Marching Band members are expected to attend summer rehearsals and summer band camp. Dates will be published, so that all participants are informed. Concert Band is the final portion of the Tri-Valley instrumental music program. Students attend full band rehearsals learning and preparing music for 3-4 band performances per year, and one individual/small group contest. Styles of music learned include standard band literature, marches, folk tunes, show tunes, modern wind band literature, and pop and Broadway hits. Students are expected to practice at home as needed to learn their parts and to attend all performances. Band members may participate in the following related activities: Jazz Band, Illinois Music Educators Festival, IHSA Solo and Ensemble contest, IHSA organization contest. Jazz band participation is based upon enrollment into High School Band class. Jazz Band is not graded, but is an extracurricular portion of High School Band.</p> <p><b>PREREQUISITE:</b> Students must successfully complete four years of middle school band or have permission from the instructor to enroll.</p>
<p><b>FOREIGN LANGUAGE</b></p>	<p><b>SPANISH 1:</b> (1 credit) Students begin learning the basics of Spanish grammar, with special attention focused on verb tenses and vocabulary. Language fluency, including reading, writing, listening and speaking skills are developed through practice and with tapes, videos, and activities used to make classroom interaction meaningful. Students build on their appreciation of the Hispanic culture and civilization.</p> <p><b>SPANISH 2:</b> (1 credit) This course is a continuation of Spanish I and is very similar in format with an emphasis on increasing students' active and passive vocabulary. Students continue with the basics of Spanish grammar, with special attention focused on verb tenses. Language fluency, including reading, writing, listening and speaking skills are developed through practice and with tapes, videos, and activities used to make classroom interaction meaningful. Students build on their appreciation of the Hispanic cultures and civilizations.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Spanish 1.</p> <p><b>SPANISH 3:</b> (1 credit) Students continue to refine reading, writing, speaking and listening skills through reading and discussion of various stories and dialogues. The basic grammar foundation presented in Spanish 1 and 2 is expanded upon, and cultural information is more in-depth with contemporary and historical considerations.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Spanish 1 and 2.</p>
<p><b>INDUSTRIAL TECHNOLOGY</b></p>	<p><b>INTRODUCTION TO INDUSTRIAL TECHNOLOGY:</b> (1 credit) This course serves as an explorative and enriching introduction to Industrial Technology and Engineering. Students will be involved in such activities as drafting, CAD, 3-D printing, woodworking, sheet metal, welding, and various phases of the construction industry as time allows. Time allotments will vary per area of interest. This course should acquaint the student with some of the various aspects of industry and better prepare them for life. Certain lab fees required for materials and/or supplies. This course is a prerequisite for all other courses within the ITE department.</p> <p><b>AGRICULTURAL CONSTRUCTION TRADES 1:</b> (1/2 credit) This course focuses on the knowledge, hands-on skills, and workplace skills applicable to construction in the agricultural industry. Major units of instruction include: personal safety, hand tools, power tools, blueprint reading, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall, and painting. <i>This class is only offered every other year, it will NOT be offered during the 2024-2025 school year.</i></p> <p><b>PREREQUISITES:</b> Students must successfully complete Introduction to Industrial Technology.</p>

	<p><b>AGRICULTURAL CONSTRUCTION TRADES 2:</b> (1/2 credit) This course focuses on the knowledge, hands-on skills, and workplace skills applicable to construction in the agricultural industry. Major units of instruction include: personal safety, hand tools, power tools, blueprint reading, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall, and painting.  <u><i>This class is only offered every other year. it will be NOT offered during the 2024-2025 school year.</i></u>  <b>PREREQUISITES:</b> Students must successfully complete Introduction to Industrial Technology. Construction Trades 1 is NOT a prerequisite but is highly encouraged.</p> <p><b>AGRICULTURAL MECHANICS AND TECHNOLOGY:</b> (1/2 credit) This course will concentrate on expanding students' knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills.  <u><i>This class is only offered every other year. it will be offered during the 2024-2025 school year.</i></u>  <b>PREREQUISITE:</b> Students must successfully complete Intro to Industrial Tech.</p> <p><b>MACHINERY SERVICES:</b> (1/2 credit) This comprehensive machinery service course concentrates on the following areas: using service manuals, electrical applications for agricultural equipment, fundamentals of multi-cylinder engines, reconditioning and repairing agricultural equipment, assembling and adjusting agricultural equipment, organization and management of agricultural machinery dealerships, human relations, and sales techniques. <u><i>This class is only offered every other year. it will be offered during the 2024-2025 school year.</i></u>  <b>PREREQUISITE:</b> Students must successfully complete Intro to Industrial Tech and Agricultural Mechanics and Technology. If students have not taken Agricultural Mechanics and Technology, they will need teacher permission to enroll in the class.</p>
<p><b>Programming</b></p>	<p><b>WEB PAGE DESIGN:</b> (1 credit) Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages such as HTML, CSS, JavaScript, and Document Object Model to develop and maintain a web page. Students will work in a project-based environment to create a working website. Students will learn to create pages, add hyperlinks, make tables and frames, create forms, integrate images, and set styles. This course may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.</p>

## 2024-2025 JUNIORS - REQUIRED COURSES:

<p><b>ENGLISH</b> Required for graduation</p>	<p><b>English 3:</b> (1 credit) Students will read selections from the earliest forms of American Literature to contemporary literature. Students will be exposed to nonfiction and fiction through short stories, speeches, documents, novels, and other forms of American Literature. Students will develop skills of interpreting literature through writing and speaking in the form of essays, researched-based writing, and public speaking. <b>PREREQUISITE:</b> Students must successfully complete English 1 &amp; English 2.</p> <p><b>AP LANGUAGE:</b> (1 credit) AP Language and Composition at Tri-Valley High School is designed to meet all of the requirements and guidelines that have been set by the AP College Board. It is a college-level course that will guide students to become thoughtful and critical readers of nonfiction texts written in a variety of rhetorical contexts. Students will study the way the text is written (style, structure, syntax, diction, etc.) and evaluate the effectiveness or ineffectiveness of the piece. In reading a wide range of argumentative and informative topics, students will become informed citizens of our society. Each student will learn how to create an informed opinion through research and synthesis and enter educated conversations about meaningful, public discourse issues. Students will practice writing skills for a variety of audiences and purposes by following the writing process of brainstorming, researching, creating a thesis, developing an argument or exposition, and writing an organized and effective essay. Through this course, students will gain the literary skills necessary to become lifelong learners and responsible citizens in the society. The class is weighted if students choose to take the AP exam. <i>The current cost of the exam is \$97 (may increase by \$1 or \$2) - due in the fall of the school year.</i> <b>PREREQUISITE:</b> Students must successfully complete English 1 and English 2 with a B or better and have STAR testing at benchmark (40-74 PR) from Sophomore year or instructor approval.</p>
<p><b>Math</b> Required for graduation</p>	<p><b>ALGEBRA 2:</b> (1 credit) The emphasis in this course is on the solution of a variety of equations and their applications. A coordination of algebra and geometry is developed through graphing. Additional topics could include probability and statistics, sequences and series. <b>PREREQUISITE:</b> Students must successfully complete Geometry.</p> <p><b>ADVANCED ALGEBRA 2 WITH TRIGONOMETRY:</b> (1 credit) The emphasis in this course is on the solution of a variety of equations and their applications to the solution of word problems. A coordination of algebra and geometry is developed and topics such as right triangle trigonometry, probability and sequences are also included. <b>PREREQUISITE:</b> Students must successfully complete Plane Geometry or Geometry with instructor approval. Students may be concurrently enrolled in Plane Geometry while taking this course with teacher approval.</p> <p><b>AP PRECALCULUS:</b> (1 credit) Taking AP Precalculus prepares you for other college-level mathematics and science courses. During the course, you'll explore everyday situations using mathematical tools and lenses. You'll also develop an understanding of modeling and functions, and examine scenarios through multiple representations. The course framework outlines content and skills needed for careers in mathematics, physics, biology, health science, social science, and data science. Skills that students will learn include: algebraically manipulating functions, equations, and expressions; translating mathematical information between representations; and communicating with precise language, and providing rationales for conclusions. Students may choose to take the AP Precalculus exam at the end of the course in an attempt to attain college credit. Taking the class or the exam, in no way guarantees the student college credit. The intent of this course is to prepare students for calculus in college or the opportunity to take the advanced placement exam and earn college credit. The current cost of the exam is \$98 (may increase by \$1 or \$2) - due in the fall of the school year. <b>PREREQUISITE:</b> Students must successfully complete Advanced Algebra 2 with Trigonometry with a grade of A or B in both semesters.</p>

**MATH 141 - Introduction to Statistics:** (1/2 credit; 4 HRS at Heartland; IAI GEC Code - M1 902) This course focuses on mathematical reasoning and the solving of real-life problems, rather than on routine skills. Descriptive methods (frequency distributions, graphing and measures of location and variation), basic probability theory (sample spaces, counting, factorials, combinations, permutations, and probability laws), probability distributions (normal distributions and normal curve, binomial distribution, and random samples and sampling techniques), statistical inference (estimation, hypothesis testing, t-test, and chi-square test, and errors), correlation and regression, and f-test and analysis of variance. An emphasis is placed on calculating statistical results using appropriate technology, and interpreting those results in context, rather than using formulas and tables. Students are required to purchase access to MyMathLabs each semester, costs are currently \$75 but can change each year.

**PREREQUISITE:**

- Students must successfully complete Plane Geometry with a “C” average
- Complete a Heartland application
- Earn a qualifying Literacy score:
  - Heartland’s ACCUPLACER Literacy test: 240+ -OR-
  - PSAT/SAT English Reading & Writing test: 480+
- Earn a qualifying Math score:
  - Heartland’s ALEKS Math test: 37+ - OR-
  - PSAT/SAT Math test: 500+
- **Application and testing must be completed by April 15.**
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**MATH 131: EXPLORATIONS IN MATHEMATICS:** (1/2 credit; 3 HRS at Heartland; IAI GEC Code - M1 904) This course focuses on mathematical reasoning and the solving of real-life problems, rather than on routine skills and appreciation. An in-depth study of several mathematical topics will be covered, including the study of elementary counting techniques and probability, basic statistics, and one or two other topics chosen from the following list: Graph Theory, Linear Programming, Geometry, Logic/Set Theory, Mathematical Modeling, or Finance. A scientific calculator is required for this course (a graphing calculator is also acceptable). Instruction will be based on a TI-30XIIS. Students are required to purchase access to MyMathLabs each semester, costs are currently \$75 but can change each year.

**PREREQUISITE:**

- Students must successfully complete Plane Geometry with a “C” average
- Complete a Heartland application
- Earn a qualifying Literacy score:
  - Heartland’s ACCUPLACER Literacy test: 240+ -OR-
  - PSAT/SAT English Reading & Writing test: 480+
- Earn a qualifying Math score:
  - Heartland’s ALEKS Math test: 37+ - OR-
  - PSAT/SAT Math test: 500+
- **Application and testing must be completed by April 15**

**PHYSICAL EDUCATION**  
Required for graduation

**VIKING FIT:** (1/2 credit per semester) This course offers students the opportunity to participate in a number of activities, which promote the integration of physical, mental, emotional, and social development. Students will engage in a variety of moderate to vigorous physical activities that promote lifelong health and wellness through a curriculum of fitness-based and sport-based activities. Rules, skills and game play will be introduced during individual and team activities, and the fitness center will be utilized on a regular basis. Students are required to dress in a PE uniform purchased through the physical education department and are expected to be active participants on a daily basis.

**STRENGTH:** (1/2 credit per semester) Weight training, agility and speed training activities are the main focus of this elective class. Students are expected to be very motivated in striving to reach their personal goals of strength and or fitness.

	<p><b>*Athletic Waiver:</b> Students may opt out of PE if they are in two varsity sports that practice every day (one in the fall semester and one in the spring semester), as long as they successfully complete those sports.</p> <p><b>*BACC Waiver:</b> Students may opt out of PE if they are enrolled in the BACC program located off-campus.</p>
<p><b>SCIENCE</b> Required for graduation: select one</p>	<p><b>ACCELERATED PHYSICS:</b> (1 credit) Accelerated Physics is a rigorous, first-year course that is an introduction to the broad world of physics. Topics covered include motion and forces, energy and momentum, and electric circuits. After successfully completing Accelerated Physics, students may optionally take AP Physics C their senior year, in conjunction with AP Calculus. Students deciding between Physics and Accelerated Physics should consider their math background: Accelerated Physics is significantly more math-intensive.</p> <p><b>PREREQUISITES:</b> Students must successfully complete Advanced Algebra 2 with Trigonometry with an “A” or have instructor approval. Students may not take both Physics and Accelerated Physics.</p> <p><b>AP CHEMISTRY:</b> (1 credit) This college-level course builds on students’ sophomore experience, exploring previous topics in greater depth and learning many new topics. Equivalent to a freshman college chemistry class, AP Chemistry is especially recommended for students thinking about a college major in the physical sciences, life sciences, or medicine. A primary goal of the course is to prepare students to pass the AP Chemistry exam in May, thereby possibly earning college credit (depending on the exam score and the college’s policies). The class is weighted if students choose to take the AP exam. The current cost of the exam is \$97 (may increase by \$1 or \$2) - due in the fall of the school year.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Chemistry with a “B” or better. A strong math background and excellent work ethic are recommended.</p> <p><b>BIOLOGY 114:</b> (1 credit at TVHS; 4 HRS from Heartland; IAI GEC Code - L1 900L) BIOL 114 will introduce students to a broad range of biological principles, including organization, structure and function, heredity, evolution, and ecology. Students will demonstrate how their knowledge in biology is relevant to them, their community, and their world. Students will use scientific evidence as the basis for their arguments. Students will improve their skills in relaying biological information to peers and to others. In addition, students will leave with a better understanding of scientific views that differ from their own. The laboratory component will emphasize scientific inquiry and use of knowledge in problem solving. This course is intended for students who are not pursuing a science career.</p> <p><b>PREREQUISITE:</b></p> <ul style="list-style-type: none"> <li>● Complete a Heartland application</li> <li>● Earn a qualifying Literacy score: <ul style="list-style-type: none"> <li>○ Heartland’s ACCUPLACER Literacy test: 240+ -OR-</li> <li>○ PSAT/SAT English Reading &amp; Writing test: 480+</li> </ul> </li> <li>● <b><u>Application and testing must be completed by April 15.</u></b></li> </ul> <p><b>HUMAN ANATOMY AND PHYSIOLOGY:</b> (1 credit) An in-depth investigation of the anatomy and physiology of all human body systems that is accomplished by lecture, discussion, and lab. It is designed for college-bound students and should be taken by students interested in a career in the life sciences.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Biology with a “C” or better.</p> <p><b>INTEGRATED LAB SCIENCE:</b> (1 credit) A course designed to help students develop an understanding of how all areas of science are involved in their lives. Students will investigate science through numerous hands-on laboratory exercises and experiments. Topics of instruction may include, but are not limited to, lab safety, tools and techniques, cells, genetics, ecology, plant and animal science, astronomy, physics, geology, and natural history. <b>PREREQUISITE:</b> Students must successfully complete Biology and Chemistry. Students will be placed in this class by teacher recommendation.</p>



**EDUC 101 - Introduction to Education:** Introduction to Education is a course designed to introduce students to the foundations of the public education system. By studying these foundations future teachers will learn to appreciate the proud heritage of the teaching profession and will begin to formulate a personal educational philosophy. This course provides an introduction to the American education system and teaching as a profession. Throughout the course students will be offered a variety of perspectives on education including: historical, philosophical, social, legal, and ethical issues in a diverse society. A study of organizational structure and school governance will also be included. ***A minimum 15 hour clinical component is required to pass this class.***

**PREREQUISITES:** Students must complete the Heartland College NOW application by April 15. Each student is required to submit to a fingerprinting process/criminal background check in accordance with the state of Illinois School Code. A disqualifying result will prevent the student from enrolling in the class. The School Counselor will inform you of the designated dates, times and location in which you can be fingerprinted.

## JUNIORS - ELECTIVE COURSES:

Study Hall or Teacher Assistant may be one of your choices

<b>AGRICULTURE</b>	<p><b>PRINCIPLES OF AGRICULTURAL SCIENCE - ANIMAL (ASA):</b> (1 credit) This course will expose students to agriculture, animal science, and related career options. Students participating in the ASA course will have experiences in various animal science concepts with exciting hands-on activities, projects, and problems. Students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel, face in their respective careers.</p> <p><b>FOOD SCIENCE:</b> (1 credit) This course provides basic learning experiences in food science and safety which allow students to apply scientific knowledge to practices used in the development and preservation of food products. Issues of food science and safety are examined. Units of instruction include: principles of food preservation, food processing, biochemistry of foods, and food selection, food preparation, and consumer health. Careers related to this topic will be examined. Students will use scientific and technological information about food science and safety as a part of developing career plans and personal viewpoints on societal issues concerning food and food products.</p> <p><b>HORTICULTURE:</b> (1 credit) This is a yearlong course providing a look at the horticulture industry in the areas of greenhouse management, floral design, and landscaping. The major units of study include plant structures and functions, soil science, propagation, greenhouse management, hydroponics, floral design, vegetable and flower gardening, landscaping and plant ID. Advertising and selling horticulture products will also be part of the class. The FFA Organization and Supervised Agricultural Experience Programs will also be covered in this course.</p>
<b>BUSINESS</b>	<p><b>ACCOUNTING 1:</b> (1 credit) The accounting course is designed to develop an understanding of the relationship between accounting and business, the accounting cycle, and the fundamental accounting principles and procedures performed in a service, merchandising business, sole proprietorship, and partnership. You need not want to major in accounting to benefit from this course.</p> <p><b>ACCOUNTING 2:</b> (1 credit).A comprehensive review of the fundamentals of Accounting 1 is followed by an introduction to frequently used accounting principles and practices as well as corporate accounting. There is a major coverage in the recording and controlling of cash. Simple techniques of cash control in the first-year course, gives way to exploring and learning how to apply the advanced techniques and procedures utilized in solving business problems and in making management decisions. In the second-year course, the student refines the skill of analyzing financial data through the use of more sophisticated methods of interpretation. **First semester will be a class with Mrs. Gibbs. Second Semester will be offered as an optional independent study with teacher approval.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Accounting 1 with a C or better or have a teacher recommendation.</p> <p><b>DMED 101: Introduction to Digital Media:</b> (½ credit at TVHS; 3 HRS at Heartland) DMED 101 is an introduction to the major media forms used in Digital Media production, including print design, web design, audio production, video production, animation and authoring tools. Students will also investigate the impact of digital media on society and current issues in media and technology. Basic computer skills will be expected in the areas of word processing, graphic and paint programs. This course is offered in the spring.</p> <p><b>PREREQUISITE:</b> Students must complete the Heartland College NOW application by April 15.</p>



	<p><b>WORK COOP:</b> (1/2 credit for the class; 1 credit for job per semester) a unique academic program designed to provide an opportunity for students to develop marketable skills and knowledge through a combination of academic learning and professional work experience. The program will provide on-the-job experience to prepare students for career objectives academically, economically, and socially. During the fall semester, the Work Coop class will provide a course of study paralleling the on-the-job training.</p> <p><b>PREREQUISITE:</b> Students must complete an application by March 1st and have an approved job (not working with family) by the fifth day of the 2023-2024 school year. Students must maintain a work schedule of 15-20 hours a week, unless approved by the teacher.</p> <p><b>ENTREPRENEURSHIP:</b> (1/2 credit) Entrepreneurship acquaints students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication.</p> <p><b>MARKETING:</b> (1/2 credit) Marketing is everywhere in today's world. Everything and everyone is connected at seemingly all times. In order to teach marketing concepts, people seem to always rely on sports and entertainment events. In this course students will learn various marketing concepts that professionals rely on each day to promote their product. Topics covered in this course include, but are not limited to, market research, the purchasing process, distribution systems, salesmanship, sales promotions, shoplifting and theft control, business management, and social media marketing.</p> <p><b>MS OFFICE APPLICATIONS:</b> (1/2 credit) Students will acquire an understanding of basic technology skills and apply those to real-life situations. The course will be project-based and will deal with programs such as Word, Excel, Powerpoint, and Access. The students will edit a storybook, develop a business plan, plan events, and create a travel presentation.</p> <p><b>MEDIA APPLICATIONS:</b> (1/2 credit) Students will acquire an understanding of basic technology skills and apply those skills to meaningful real-life situations. The course will be project-based and will deal with programs such as Macromedia Flash, Photoshop, and Windows DVD Maker. The students will animate a short story, create a digital scrapbook, and make their own commercials.</p>
<p><b>FINE ARTS</b></p>	<p><b>INTRODUCTION TO ART:</b> (1 credit) Introduction to Art is a preliminary high school art course that explores the versatile range of the visual arts. Students will explore a variety of art media, and techniques that will help them to establish a fundamental foundation in the visual arts. Not only will students be creating artwork on a daily basis, they will be introduced to art history and learn how to critique and discuss artwork. This class will be a mandatory class for any student who wishes to continue in the art program. This class will provide students with foundational skills that will aid them in any profession they wish to pursue.</p> <p><b>CERAMICS:</b> (1/2 credit) Students will learn ceramic hand building, wheel throwing, and glazing techniques. This class will be recommended for any student wishing to pursue any visual art career (design and fine art).</p> <p><b>PREREQUISITE:</b> Students must successfully complete Introduction to Art with a D- or higher.</p>

**DESIGN FOUNDATIONS:** (1/2 credit) Design Foundations will tie into classes currently offered, such as Media Applications and Digital Media 101 (dual-credit). Students will learn about design elements, principles and careers and will create projects such as posters, product designs and logos. This class will be recommended to any student wishing to pursue a career in Visual Design (commercial design, interior design, fashion, architecture, animation, etc.).

**PREREQUISITE:** Students must successfully complete Introduction to Art with a D- or higher.

**DRAWING:** (1/2 credit) Students will learn about fundamental drawing media (graphite, ink, pastel) and techniques. This class will be recommended to any student who wishes to pursue any visual art career (design or fine art).

**PREREQUISITE:** Students must successfully complete Introduction to Art with a D- or higher.

**INDEPENDENT STUDIO:** (1/2 credit) This class would provide structured but independent time for students to complete works that can be used for college acceptance and scholarship portfolios. This class may be repeated but taken no more than two semesters within a student's junior and senior years.

**PREREQUISITE:** Students must successfully complete Introduction to Art and two other semester long studios (Drawing, Painting, Sculpture, Ceramics, Traditional Craft, and/or Design Foundations) with a D- or higher.

**PAINTING:** (1/2 credit) Students will learn about fundamental painting media (acrylic, watercolor, oil) and techniques. This class will be recommended to any student who wishes to pursue any visual art career (design or fine art).

**PREREQUISITE:** Students must successfully complete Introduction to Art with a D- or higher.

**SCULPTURE:** (1/2 credit) Students will learn about 3D design, media, and techniques and it will be recommended for any student wishing to pursue any visual art career (design and fine art).

**PREREQUISITE:** Students must successfully complete Introduction to Art with a D- or higher.

**TRADITIONAL CRAFT:** (1/2 credit) Students will learn about traditional craft media, such as glass, fiber, wood, metals, and mixed media. This class is recommended for any student wishing to pursue a career in one of the above fields.

**PREREQUISITE:** Students must successfully complete Introduction to Art with a D- or higher.

**YEARBOOK:** (1 credit) This class is responsible for creating and producing the annual Tri-Valley High School yearbook. This class is for any student interested in photography, layout design, photo editing, and computer technologies. Students in this class are responsible for taking photographs of all sports, school events, and extracurricular activities, designing page layouts, creating records, and editing the yearbook. This is a class that requires a lot of work to be done outside of school hours, but the end result is very rewarding. Yearbook can only be taken twice.

**PREREQUISITE:** Students must complete English with a "C-" or higher.

**CHOIR:** (1 credit) The High School Concert Choir is a vocal ensemble that meets daily to study, rehearse and perform vocal literature. Study includes works from all periods of music history. In addition to English, works are studied and presented in the major languages of vocal music (Italian, Latin, French, and German). Emphasis is also placed on good choral technique, with attention given to breathing, posture and diction. In addition to choral literature, topics include music history, basic music theory, music reading and score study. Students perform in a minimum of four concert/contest settings and have several opportunities to perform in other settings as well.

	<p><b>BAND:</b> (1 credit) The Tri-Valley High School Band is the final and most advanced performing group in the instrumental music program. All band students will participate in Marching Band. This segment of the class is co-curricular, and performance expectations will be clearly announced at the beginning of the school year. Marching Band members are expected to attend summer rehearsals and summer band camp. Dates will be published, so that all participants are informed. Concert Band is the final portion of the Tri-Valley instrumental music program. Students attend full band rehearsals learning and preparing music for 3-4 band performances per year, and one individual/small group contest. Styles of music learned include standard band literature, marches, folk tunes, show tunes, modern wind band literature, and pop and Broadway hits. Students are expected to practice at home as needed to learn their parts and to attend all performances. Band members may participate in the following related activities: Jazz Band, Illinois Music Educators Festival, IHSA Solo and Ensemble contest, IHSA organization contest. Jazz band participation is based upon enrollment into High School Band class. Jazz Band is not graded, but is an extracurricular portion of High School Band.</p> <p><b>PREREQUISITE:</b> Students must successfully complete four years of middle school band or have permission from the instructor to enroll.</p>
<p><b>FOREIGN LANGUAGE</b></p>	<p><b>SPANISH 1:</b> (1 credit) Students begin learning the basics of Spanish grammar, with special attention focused on verb tenses and vocabulary. Language fluency, including reading, writing, listening and speaking skills are developed through practice and with tapes, videos, and activities used to make classroom interaction meaningful. Students build on their appreciation of the Hispanic culture and civilization.</p> <p><b>SPANISH 2:</b> (1 credit) This course is a continuation of Spanish I and is very similar in format with an emphasis on increasing students' active and passive vocabulary. Students continue with the basics of Spanish grammar, with special attention focused on verb tenses. Language fluency, including reading, writing, listening and speaking skills are developed through practice and with tapes, videos, and activities used to make classroom interaction meaningful. Students build on their appreciation of the Hispanic cultures and civilizations.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Spanish 1.</p> <p><b>SPANISH 3:</b> (1 credit) Students continue to refine reading, writing, speaking and listening skills through reading and discussion of various stories and dialogues. The basic grammar foundation presented in Spanish 1 and 2 is expanded upon, and cultural information is more in-depth with contemporary and historical considerations.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Spanish 1 and 2.</p> <p><b>SPANISH 4:</b> (1 credit) Students continue to refine previously learned skills. Students continue with the textbook where they left off in Spanish III. There are many opportunities for reading and writing, but the emphasis is on listening comprehension and on speaking in discussion format. Extensive investigation into the cultural diversity in the Hispanic world as well as geography and history are stressed.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Spanish 1, 2, and 3.</p>
<p><b>INDUSTRIAL TECHNOLOGY</b></p>	<p><b>INTRODUCTION TO INDUSTRIAL TECHNOLOGY:</b> (1 credit) This course serves as an explorative and enriching introduction to Industrial Technology and Engineering. Students will be involved in such activities as drafting, CAD, 3-D printing, woodworking, sheet metal, welding, and various phases of the construction industry as time allows. Time allotments will vary per area of interest. This course should acquaint the student with some of the various aspects of industry and better prepare them for life. Certain lab fees required for materials and/or supplies. This course is a prerequisite for all other courses within the ITE department.</p>

**AGRICULTURAL CONSTRUCTION TRADES 1:** (1/2 credit) This course focuses on the knowledge, hands-on skills, and workplace skills applicable to construction in the agricultural industry. Major units of instruction include: personal safety, hand tools, power tools, blueprint reading, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall, and painting. *This class is only offered every other year. it will NOT be offered during the 2024-2025 school year.*

**PREREQUISITES:** Students must successfully complete Introduction to Industrial Technology.

**AGRICULTURAL CONSTRUCTION TRADES 2:** (1/2 credit) This course focuses on the knowledge, hands-on skills, and workplace skills applicable to construction in the agricultural industry. Major units of instruction include: personal safety, hand tools, power tools, blueprint reading, construction skills in carpentry, plumbing, electricity, concrete, block laying, drywall, and painting.

*This class is only offered every other year. it will NOT be offered during the 2024-2025 school year.*

**PREREQUISITES:** Students must successfully complete Introduction to Industrial Technology. Construction Trades 1 is NOT a prerequisite but is highly encouraged.

**AGRICULTURAL MECHANICS AND TECHNOLOGY:** (1/2 credit) This course will concentrate on expanding students' knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills.

*This class is only offered every other year. it will be offered during the 2024-2025 school year.*

**PREREQUISITE:** Students must successfully complete Intro to Industrial Tech.

**MACHINERY SERVICES:** (1/2 credit) This comprehensive machinery service course concentrates on the following areas: using service manuals, electrical applications for agricultural equipment, fundamentals of multi-cylinder engines, reconditioning and repairing agricultural equipment, assembling and adjusting agricultural equipment, organization and management of agricultural machinery dealerships, human relations, and sales techniques. *This class is only offered every other year. it will be offered during the 2024-2025 school year.*

**PREREQUISITE:** Students must successfully complete Intro to Industrial Tech and Agricultural Mechanics and Technology. If students have not taken Agricultural Mechanics and Technology, they will need teacher permission to enroll in the class.

**BACC WELDING 1:** (3 credits at TVHS; students have a chance to earn 3 HRS from Heartland: Welding 110) This course is designed for students with an interest in the field of manufacturing, which includes machining, sheet metal, computerized machines, and welding. Classroom instruction will include workplace safety, blueprint reading, applied math, training of hand and power tools, and instruction on proper procedures of laboratory equipment. Specialized laboratory learning experiences include planning, manufacturing, assembling, and metal fabricating process. Students may work towards the American Welding Society (AWS) Page 8 certification in Shielded Metal Arc Welding (SMAW). Students will develop skills necessary to continue with post-secondary education, or obtain an entry-level position in the manufacturing occupations. Students will also benefit from the business partnership with Caterpillar.

**PREREQUISITE:** Students must complete a BACC application.

**PROGRAMMING**

**AP COMPUTER SCIENCE PRINCIPLES:** (1 credit) Following the College Board's suggested curriculum designed to parallel college-level computer science principles courses, AP Computer Science Principles courses introduce students to the fundamental ideas of computer science and how to apply computational thinking across multiple disciplines. These courses teach students to apply creative designs and innovative solutions when developing computational artifacts. These courses cover such topics as abstraction, communication of information using data, algorithms, programming, the Internet, and global impact. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. The class is weighted if students choose to take the AP exam. The current cost of the exam is \$97 (may increase by \$1 or \$2) - due in the fall of the 2023-2024 school year.

**WEB PAGE DESIGN:** (1 credit) Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages such as HTML, CSS, JavaScript, and Document Object Model to develop and maintain a web page. Students will work in a project-based environment to create a working website. Students will learn to create pages, add hyperlinks, make tables and frames, create forms, integrate images, and set styles. This course may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.

## 2024 - 2025 SENIOR COURSE OPTIONS:

Study Hall or Teacher Assistant may be one of your choices

<p><b>ENGLISH</b> Total of 1 credit required for graduation</p>	<p><b>COMM 101 INTRODUCTION TO ORAL COMMUNICATIONS:</b> (½ credit; 3 HRS at Heartland) COMM 101 is an introductory course in public speaking which helps students understand basic communication principles and improves their oral communication skills. The course emphasizes preparing, selecting, organizing, and delivering oral messages, as well as analyzing and evaluating the speaking-listening process. <i>3 credit hours</i> <b>IAI GEC Code - C2 900: Transferable General Education Course:</b> This course generally should transfer to an Illinois Articulation Initiative college or university. Please consult with your advisor about transferability. <b>Application and testing must be completed by April 15.</b></p> <p><b>PREREQUISITE:</b></p> <ul style="list-style-type: none"> <li>• Complete a Heartland application.</li> <li>• Earn a qualifying Literacy score:             <ul style="list-style-type: none"> <li>○ Heartland’s ACCUPLACER Literacy test: 240+ -OR-</li> <li>○ PSAT/SAT English Reading &amp; Writing test: 480+.</li> </ul> </li> </ul> <p><b>MEDIA ANALYSIS:</b> (½ credit) Students will view/read different types of media, including movies, television, news, newspapers, internet, etc... Students will analyze these various sources to identify meaning, point of view, and purpose of these sources through writing and discussion.</p> <p><b>PREREQUISITE:</b> Students must successfully complete English 1, English 2, and English 3/AP Language.</p> <p><b>AP LITERATURE:</b> (1 credit) An AP course in Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Careful attention to both textual detail and historical context provides a foundation for interpretation. Most of the works studied in the course have been written originally in English. Writing is an integral part of the course; assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Poetry, drama, novel and short story, and expository literature form the basis of the literature studied. Students will be prepared to take the AP test in the spring should they elect to do so in an attempt to earn college credit, depending on their score and the college’s policies. The class is weighted if students choose to take the AP exam. <i>The current cost of the exam is \$97 (may increase by \$1 or \$2) - due in the fall of the school year.</i></p> <p><b>PREREQUISITE:</b> Students must successfully complete AP Language with a “B” or higher or English 3 with an “A-” or higher and STAR testing should be at benchmark (40-74 PR) from Junior year or teacher approval. It is recommended, based on content and data, that students take AP Language before AP Literature.</p>
<p><b>PHYSICAL EDUCATION</b> Required for graduation</p>	<p><b>STRENGTH:</b> (½ credit per semester) Weight training, agility and speed training activities are the main focus of this elective class. Students are expected to be very motivated in striving to reach their personal goals of strength and or fitness.</p> <p><b>VIKING FIT:</b> (½ credit per semester) This course offers students the opportunity to participate in a number of activities, which promote the integration of physical, mental, emotional, and social development. Students will engage in a variety of moderate to vigorous physical activities that promote lifelong health and wellness through a curriculum of fitness-based and sport-based activities. Rules, skills and game play will be introduced during individual and team activities, and the fitness center will be utilized on a regular basis. Students are required to dress in a PE uniform purchased through the physical education department and are expected to be active participants on a daily basis.</p> <p><b>SENIOR PE:</b> (½ credit per semester) The senior physical education program focuses on lifetime recreational activities. This student-led class places a strong emphasis on active participation while demonstrating responsibility and maturity. Students engage in a variety of moderate to vigorous physical activities to promote lifelong health and wellness. This senior-only class does take the opportunity to leave campus and utilize community resources for various activities throughout the year.</p>

	<p><b>*Athletic Waiver:</b> Students may opt out of PE if they are in two varsity sports. They must successfully complete those sports.</p> <p><b>*BACC Waiver:</b> Students may opt out of PE if they are enrolled in the BACC program.</p>
<p><b>MATH</b> Students must have 3 credits of math to graduate. If you have not earned 3 credits, you must select a math class.</p>	<p><b>QUANTITATIVE LITERACY AND STATISTICS:</b> (1 credit) Math course framework designed to prepare and transition students directly into college and career pathways requiring general education college level math competencies in quantitative literacy and statistics. The competencies within each domain should include, but are not limited to: numeracy (operation sense, estimation, measurement, quantitative reasoning, basic statistics, and mathematical summaries), application based algebraic topics, and functions and modeling. Upon completion students should be able to: demonstrate proficiency and understanding in basic numeracy competencies in whole numbers, integers, fractions, and decimals, use estimation and explain/justify estimates, apply quantitative reasoning to solve problems involving quantities or rates, use mathematical summaries of data such as mean, median, and mode, use and apply algebraic reasoning as one of multiple problem solving tools, and use functions and modeling processes. Course to be delivered through authentic application, problem based instruction designed to build mathematical conceptual understanding and critical thinking skills.</p> <p><b>MATH 141 - Introduction to Statistics:</b> (1/2 credit; 4 HRS at Heartland; IAI GEC Code - M1 902) This course focuses on mathematical reasoning and the solving of real-life problems, rather than on routine skills. Descriptive methods (frequency distributions, graphing and measures of location and variation), basic probability theory (sample spaces, counting, factorials, combinations, permutations, and probability laws), probability distributions (normal distributions and normal curve, binomial distribution, and random samples and sampling techniques), statistical inference (estimation, hypothesis testing, t-test, and chi-square test, and errors), correlation and regression, and f-test and analysis of variance. An emphasis is placed on calculating statistical results using appropriate technology, and interpreting those results in context, rather than using formulas and tables. This course is offered in the fall. Students are required to purchase MyMathLabs each semester, costs are currently \$75, but can change each year.</p> <p><b>PREREQUISITE:</b></p> <ul style="list-style-type: none"> <li>• Complete a Heartland application</li> <li>• Earn a qualifying Literacy score: <ul style="list-style-type: none"> <li>○ Heartland’s ACCUPLACER Literacy test: 240+ -OR-</li> <li>○ PSAT/SAT English Reading &amp; Writing test: 480+</li> </ul> </li> <li>• Earn a qualifying Math score: <ul style="list-style-type: none"> <li>○ Heartland’s ALEKS Math test: 37+ -OR-</li> <li>○ PSAT/SAT Math test: 500+</li> </ul> </li> <li>• Students must successfully complete Plane Geometry with a “C” average</li> <li>• <b><u>Application and testing must be completed by April 15.</u></b></li> </ul> <p><b>MATH 131: EXPLORATIONS IN MATHEMATICS:</b> (1/2 credit; 3 HRS at Heartland; IAI GEC Code - M1 904) This course focuses on mathematical reasoning and the solving of real-life problems, rather than on routine skills and appreciation. An in-depth study of several mathematical topics will be covered, including the study of elementary counting techniques and probability, basic statistics, and one or two other topics chosen from the following list: Graph Theory, Linear Programming, Geometry, Logic/Set Theory, Mathematical Modeling, or Finance. A scientific calculator is required for this course (a graphing calculator is also acceptable). Instruction will be based on a TI-30XIIS. <i>3 credit hours</i> IAI GEC Code - M1 904</p> <p><b>PREREQUISITE:</b></p> <ul style="list-style-type: none"> <li>• Complete a Heartland application</li> <li>• Earn a qualifying Literacy score: <ul style="list-style-type: none"> <li>○ Heartland’s ACCUPLACER Literacy test: 240+ -OR-</li> <li>○ PSAT/SAT English Reading &amp; Writing test: 480+</li> </ul> </li> <li>• Earn a qualifying Math score: <ul style="list-style-type: none"> <li>○ Heartland’s ALEKS Math Test: 37+</li> <li>○ PSAT/SAT Math test: 500+</li> </ul> </li> <li>• Students must successfully complete Plane Geometry with a “C” average</li> <li>• <b><u>Application and testing must be completed by April 15.</u></b></li> </ul>

	<p><b>AP PRECALCULUS:</b> (1 credit) Taking AP Precalculus prepares you for other college-level mathematics and science courses. During the course, you'll explore everyday situations using mathematical tools and lenses. You'll also develop an understanding of modeling and functions, and examine scenarios through multiple representations. The course framework outlines content and skills needed for careers in mathematics, physics, biology, health science, social science, and data science. Skills that students will learn include: algebraically manipulating functions, equations, and expressions; translating mathematical information between representations; and communicating with precise language, and providing rationales for conclusions. Students may choose to take the AP Precalculus exam at the end of the course in an attempt to attain college credit. Taking the class or the exam, in no way guarantees the student college credit. The intent of this course is to prepare students for calculus in college or the opportunity to take the advanced placement exam and earn college credit. The current cost of the exam is \$98 (may increase by \$1 or \$2) - due in the fall of the school year.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Advanced Algebra 2 with Trigonometry with a grade of A or B in both semesters.</p> <p><b>AP CALCULUS:</b> (1 credit) Although calculus was invented to solve problems in physics and astronomy, in recent years it has become important in many fields including economics, and the life sciences. In differential and integral calculus students solve problems from numerous and diverse areas. Students may choose to take the AP Calculus exam at the end of the course in an attempt to attain college credit. This exam is not required. Taking the class or the exam, in no way guarantees the student college credit. The intent of this course is to prepare students for calculus in college or the opportunity to take the advanced placement exam and earn college credit. The class is weighted if students choose to take the AP exam. <i>The current cost of the exam is \$97 (may increase by \$1 or \$2) - due in the fall of the school year.</i></p> <p><b>PREREQUISITE:</b> Students must successfully complete Precalculus with a grade of a "B" or teacher consent.</p>
<p><b>SCIENCE</b> Students must earn 3 credits of science. If you have not earned your 3 credits, you must select a science class.</p>	<p><b>ACCELERATED PHYSICS:</b> (1 credit) Accelerated Physics is a rigorous, first-year course that is an introduction to the broad world of physics. Topics covered include motion and forces, energy and momentum, and electric circuits. After successfully completing Accelerated Physics, students may optionally take AP Physics C their senior year, in conjunction with AP Calculus. Students deciding between Physics and Accelerated Physics should consider their math background: Accelerated Physics is significantly more math-intensive.</p> <p><b>PREREQUISITES:</b> Students must successfully complete Advanced Algebra 2 with Trigonometry with an "A" or have instructor approval.</p> <p><b>AP CHEMISTRY:</b> (1 credit) This college-level course builds on students' sophomore experience, exploring previous topics in greater depth and learning many new topics. Equivalent to a freshman college chemistry class, AP Chemistry is especially recommended for students thinking about a college major in the physical sciences, life sciences, or medicine. A primary goal of the course is to prepare students to pass the AP Chemistry exam in May, thereby possibly earning college credit (depending on the exam score and the college's policies). The class is weighted if students choose to take the AP exam. <i>The current cost of the exam is \$97 (may increase by \$1 or \$2) - due in the fall of the school year.</i></p> <p><b>PREREQUISITE:</b> Students must successfully complete Chemistry with a "B" or better. A strong math background and excellent work ethic are recommended.</p> <p><b>AP PHYSICS C: MECHANICS, ELECTRICITY, AND MAGNETISM (MEM):</b> (1 credit) AP Physics C is a college-level class that utilizes calculus to explore topics in more mathematical detail and complexity than in the prerequisite first-year Physics class. Topics covered include: motion, forces, energy, momentum, rotational motion, electric circuits, magnetism, and electromagnetism. AP Physics C is especially recommended for students considering a college major in the physical sciences or engineering. A primary goal of the course is to prepare students to pass the AP Physics C exams in May, thereby possibly earning college credit (depending on the exam score and the college's policies). The class is weighted if students choose to take the AP exam. <i>The current cost of the exam is \$97 (may increase by \$1 or \$2) - due in the fall of the school year.</i></p> <p><b>PREREQUISITES:</b> Students must successfully complete Accelerated Physics (or have consent of the instructor) and be concurrently enrolled in AP Calculus.</p>



**BIOLOGY 114:** (1 credit at TVHS; 4 HRS from Heartland; IAI GEC Code - L1 900L) BIOL 114 will introduce students to a broad range of biological principles, including organization, structure and function, heredity, evolution, and ecology. Students will demonstrate how their knowledge in biology is relevant to them, their community, and their world. Students will use scientific evidence as the basis for their arguments. Students will improve their skills in relaying biological information to peers and to others. In addition, students will leave with a better understanding of scientific views that differ from their own. The laboratory component will emphasize scientific inquiry and use of knowledge in problem solving. This course is intended for students who are not pursuing a science career.

**PREREQUISITE:**

- Complete a Heartland application
- Earn a qualifying Literacy score:
  - Heartland's ACCUPLACER Literacy test: 240+ -OR-
  - PSAT/SAT English Reading & Writing test: 480+
- **Application and testing must be completed by April 15.**

**HUMAN ANATOMY AND PHYSIOLOGY:** (1 credit) An in-depth investigation of the anatomy and physiology of all human body systems that is accomplished by lecture, discussion, and lab. It is designed for college-bound students and should be taken by students interested in a career in the life sciences.

**PREREQUISITE:** Students must successfully complete Biology with an "C" or better.

**INTEGRATED LAB SCIENCE:** (1 credit) A course designed to help students develop an understanding of how all areas of science are involved in their lives. Students will investigate science through numerous hands-on laboratory exercises and experiments. Topics of instruction may include, but are not limited to, lab safety, tools and techniques, cells, genetics, ecology, plant and animal science, astronomy, physics, geology, and natural history.

**PREREQUISITE:** Students must successfully complete Chemistry or Advanced Chemistry. Students will be placed in this class by teacher recommendation.

**PHYSICS:** (1 credit) In Physics, students will set out to discover how the Universe works, from the most mundane act of lifting a box to the thrill of riding a rollercoaster, from the thunderclap of breaking the sound barrier to the silent symphony of the planets orbiting our massive star. Topics will include: motion, force, gravity, energy, sound, and electricity. A strong math background, inquisitive nature, and enjoyment of learning are highly recommended.

**SOCIAL  
SCIENCE**

Students must earn 2.5 credits of Social Sciences for graduation;

**however, some colleges require 3 credits for admission.**

**SOCIAL  
SCIENCE  
ELECTIVES:**

**US HISTORY:** (1 credit) The course provides an overview of American History from Colonization to the present with special emphasis on the following periods: American Revolution, Sectionalism, Civil War, Industrialization, Progressive Movement, World Wars, and Post-War Era. The goal is to examine major themes in American history and to connect them to modern society through analysis, discussion, debate, writing, and projects.

**AP US HISTORY:** (1 credit) This course relies heavily on student preparation, participation, discussion, debate, simulation, writing, and projects. "AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time." -College Board. The class is weighted if students choose to take the AP exam. *The current cost of the exam is \$98 (may increase by \$1 or \$2) - due in the fall of the school year.*

**PREREQUISITE:** Students must successfully complete Civics and English 2 with a "B" or higher or get instructor approval. Students who have taken Civilizations and/or Modern History must successfully complete with a B or higher.

**PSYCHOLOGY:** (1/2 credit/year) The study of human behavior and mental processes. Students taking Psychology will investigate topics such as: How do our senses work and why do they get fooled sometimes? Is it possible to brainwash someone? How much information can a person remember, and why will they forget some of it? Where does our personality come from? Is there really such a thing as Multiple Personality Disorder?

**SOCIOLOGY:** (1/2 credit/year) Students enrolled in Sociology will examine student behavior in groups. Topics will include the development of culture, the process of socialization, causes and effects of social inequality, and the roles of social institutions.

**AP PSYCHOLOGY:** (1 credit) "The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas." -College Board. The class is weighted if students choose to take the AP exam. *The current cost of the exam is \$96 (may increase by \$1 or \$2) - due in the fall of the 2022-2023 school year.*

**PREREQUISITE:** Students are required to pass their previous Science course with a "B" or higher or receive instructor approval.

**EDUC 101 - Introduction to Education:** Introduction to Education is a course designed to introduce students to the foundations of the public education system. By studying these foundations future teachers will learn to appreciate the proud heritage of the teaching profession and will begin to formulate a personal educational philosophy. This course provides an introduction to the American education system and teaching as a profession. Throughout the course students will be offered a variety of perspectives on education including: historical, philosophical, social, legal, and ethical issues in a diverse society. A study of organizational structure and school governance will also be included. ***A minimum 15 hour clinical component is required to pass this class.***

**PREREQUISITES:** Students must complete the Heartland College NOW application by April 15. Each student is required to submit to a fingerprinting process/criminal background check in accordance with the state of Illinois School Code. A disqualifying result will prevent the student from enrolling in the class. The School Counselor will inform you of the designated dates, times and location in which you can be fingerprinted.

<p><b>AGRICULTURE</b></p>	<p><b>PRINCIPLES OF AGRICULTURAL SCIENCE - ANIMAL (ASA):</b> (1 credit) This course will expose students to agriculture, animal science, and related career options. Students participating in the ASA course will have experiences in various animal science concepts with exciting hands-on activities, projects, and problems. Students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel, face in their respective careers.</p> <p><b>FOOD SCIENCE:</b> (1 credit) This course provides basic learning experiences in food science and safety which allow students to apply scientific knowledge to practices used in the development and preservation of food products. Issues of food science and safety are examined. Units of instruction include: principles of food preservation, food processing, biochemistry of foods, and food selection, food preparation, and consumer health. Careers related to this topic will be examined. Students will use scientific and technological information about food science and safety as a part of developing career plans and personal viewpoints on societal issues concerning food and food products.</p> <p><b>HORTICULTURE:</b> (1 credit) This is a yearlong course providing a look at the horticulture industry in the areas of greenhouse management, floral design, and landscaping. The major units of study include plant structures and functions, soil science, propagation, greenhouse management, hydroponics, floral design, vegetable and flower gardening, landscaping and plant ID. Advertising and selling horticulture products will also be part of the class. The FFA Organization and Supervised Agricultural Experience Programs will also be covered in this course.</p> <p><b>AGRICULTURE 120/Greenhouse Management:</b> (1 credit; 3 HRS at Heartland) AGRI 120/Greenhouse Management is a course that provides an in depth look at plant growth and development as they apply to the wide range of horticultural crops and the industries related to production, marketing and utilization of horticultural crops. The major units of study include occupational careers, plant and soil science, plant propagation, floral design, greenhouse management, hydroponics, fruits and vegetables, turf grass management, landscaping, and plant ID. Advertising and selling horticulture products will also be covered in this course. First semester of this course will fulfill three hours of elective college credit.</p> <p><b>PREREQUISITE:</b></p> <ul style="list-style-type: none"> <li>• Students must successfully complete Horticulture.</li> <li>• Complete a Heartland application.</li> <li>• <b><u>Application and testing must be completed by April 15.</u></b></li> </ul>
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<p><b>BUSINESS</b></p>	<p><b>ACCOUNTING 1:</b> (1 credit) The accounting course is designed to develop an understanding of the relationship between accounting and business, the accounting cycle, and the fundamental accounting principles and procedures performed in a service, merchandising business, sole proprietorship, and partnership. You need not want to major in accounting to benefit from this course.</p> <p><b>ACCOUNTING 2:</b> (1 credit).A comprehensive review of the fundamentals of Accounting 1 is followed by an introduction to frequently used accounting principles and practices as well as corporate accounting. There is a major coverage in the recording and controlling of cash. Simple techniques of cash control in the first-year course, gives way to exploring and learning how to apply the advanced techniques and procedures utilized in solving business problems and in making management decisions. In the second-year course, the student refines the skill of analyzing financial data through the use of more sophisticated methods of interpretation.**First semester will be a class with Mrs. Gibbs. Second Semester will be offered as an optional independent study with teacher approval.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Accounting 1 with a C or better or have teacher recommendation.</p> <p><b>DMED 101: Introduction to Digital Media:</b> (1/2 credit at TVHS; 3 HRS at Heartland) DMED 101 is an introduction to the major media forms used in Digital Media production, including print design, web design, audio production, video production, animation and authoring tools. Students will also investigate the impact of digital media on society and current issues in media and technology. Basic computer skills will be expected in the areas of word processing, graphic and paint programs. This course is offered in the spring.</p> <p><b>PREREQUISITE:</b> Students must complete the Heartland College NOW application by April 15.</p> <p><b>ENTREPRENEURSHIP:</b> (1/2 credit) Entrepreneurship acquaints students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication.</p> <p><b>MARKETING:</b> (1/2 credit) Marketing is everywhere in today’s world. Everything and everyone is connected at seemingly all times. In order to teach marketing concepts, people seem to always rely on sports and entertainment events. In this course students will learn various marketing concepts that professionals rely on each day to promote their product. Topics covered in this course include, but are not limited to, market research, the purchasing process, distribution systems, salesmanship, sales promotions, shoplifting and theft control, business management, and social media marketing.</p> <p><b>WORK COOP:</b> (1/2 credit for the class; 1 credit for job per semester) a unique academic program designed to provide an opportunity for students to develop marketable skills and knowledge through a combination of academic learning and professional work experience. The program will provide on-the-job experience to prepare students for career objectives academically, economically, and socially. During the fall semester, the Work Coop class will provide a course of study paralleling the on-the-job training.</p> <p><b>PREREQUISITE:</b> Students must complete an application by March 1st and have an approved job (not working with family) by the fifth day of the 2023-2024 school year or the student will not be released early. Students must maintain a work schedule of 15-20 hours a week, unless approved by the teacher.</p> <p><b>MS OFFICE APPLICATIONS:</b> (1/2 credit) Students will acquire an understanding of basic technology skills and apply those to real-life situations. The course will be project-based and will deal with programs such as Word, Excel, Powerpoint, and Access. The students will edit a storybook, develop a business plan, plan events, and create a travel presentation.</p>
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	<p><b>MEDIA APPLICATIONS:</b> (1/2 credit) Students will acquire an understanding of basic technology skills and apply those skills to meaningful real-life situations. The course will be project-based and will deal with programs such as Macromedia Flash, Photoshop, and Windows DVD Maker. The students will animate a short story, create a digital scrapbook, and make their own commercials.</p>
<p><b>FINE ARTS</b></p>	<p><b>INTRODUCTION TO ART:</b> (1 credit) Introduction to Art is a preliminary high school art course that explores the versatile range of the visual arts. Students will explore a variety of art media, and techniques that will help them to establish a fundamental foundation in the visual arts. Not only will students be creating artwork on a daily basis, they will be introduced to art history and learn how to critique and discuss artwork. This class will be a mandatory class for any student who wishes to continue in the art program. This class will provide students with foundational skills that will aid them in any profession they wish to pursue.</p> <p><b>DESIGN FOUNDATIONS:</b> (1/2 credit) Design Foundations will tie into classes currently offered, such as Media Applications and Digital Media 101 (dual-credit). Students will learn about design elements, principles and careers and will create projects such as posters, product designs and logos. This class will be recommended to any student wishing to pursue a career in Visual Design (commercial design, interior design, fashion, architecture, animation, etc.). Will be offered in the 2022-2023 and 2024-school year <b>PREREQUISITE:</b> Students must successfully complete Introduction to Art with a D- or higher.</p> <p><b>DRAWING:</b> (1/2 credit) Students will learn about fundamental drawing media (graphite, ink, pastel) and techniques. This class will be recommended to any student who wishes to pursue any visual art career (design or fine art). <b>PREREQUISITE:</b> Students must successfully complete Introduction to Art with a D- or higher.</p> <p><b>INDEPENDENT STUDIO:</b> (1/2 credit) This class would provide structured but independent time for students to complete works that can be used for college acceptance and scholarship portfolios. This class may be repeated but taken no more than two semesters within a student's junior and senior years. <b>PREREQUISITE:</b> Students must successfully complete Introduction to Art and two other semester long studios (Drawing, Painting, Sculpture, Ceramics, Traditional Craft, and/or Design Foundations) with a D- or higher.</p> <p><b>PAINTING:</b> (1/2 credit) Students will learn about fundamental painting media (acrylic, watercolor, oil) and techniques. This class will be recommended to any student who wishes to pursue any visual art career (design or fine art). <b>PREREQUISITE:</b> Students must successfully complete Introduction to Art with a D- or higher.</p> <p><b>SCULPTURE:</b> (1/2 credit) Students will learn about 3D design, media, and techniques and it will be recommended for any student wishing to pursue any visual art career (design and fine art). <b>PREREQUISITE:</b> Students must successfully complete Introduction to Art with a D- or higher.</p> <p><b>ART 150 UNDERSTANDING ART:</b> ART 150 is designed to provide an understanding of the role of art in our culture and in contemporary life. This course utilizes art works from all cultures and periods to establish basic language of art and the principles of aesthetic organization. Information regarding the artist's tools, materials, exhibition spaces and the art market will be studied to further illustrate the use of art in our world. Not intended for art majors. <i>3 credit hours</i></p> <p><b>IAI GEC Code - F2 900: Transferable General Education Course:</b> This course generally should transfer to an Illinois Articulation Initiative college or university. Please consult with your advisor about transferability.</p> <p><b>PREREQUISITE:</b></p> <ul style="list-style-type: none"> <li>• Complete a Heartland application</li> <li>• Earn a qualifying Literacy score: <ul style="list-style-type: none"> <li>○ Heartland's ACCUPLACER Literacy test: 240+ -OR-</li> <li>○ PSAT/SAT English Reading &amp; Writing test: 480+</li> </ul> </li> <li>• <b><u>Application and testing must be completed by April 15.</u></b></li> </ul>

	<p><b>YEARBOOK:</b> (1 credit) This class is responsible for creating and producing the annual Tri-Valley High School yearbook. This class is for any student interested in photography, layout design, photo editing, and computer technologies. Students in this class are responsible for taking photographs of all sports, school events, and extracurricular activities, designing page layouts, creating records, and editing the yearbook. This is a class that requires a lot of work to be done outside of school hours, but the end result is very rewarding. Yearbook can only be taken twice. <b>PREREQUISITE:</b> Students must complete English with a “C-” or higher.</p> <p><b>BAND:</b> (1 credit) The Tri-Valley High School Band is the final and most advanced performing group in the instrumental music program. All band students will participate in the Marching Band. This segment of the class is co-curricular, and performance expectations will be clearly announced at the beginning of the school year. Marching Band members are expected to attend summer rehearsals and summer band camp. Dates will be published, so that all participants are informed. Concert Band is the final portion of the Tri-Valley instrumental music program. Students attend full band rehearsals learning and preparing music for 3-4 band performances per year, and one individual/small group contest. Styles of music learned include standard band literature, marches, folk tunes, show tunes, modern wind band literature, and pop and Broadway hits. Students are expected to practice at home as needed to learn their parts and to attend all performances. Band members may participate in the following related activities: Jazz Band, Illinois Music Educators Festival, IHSA Solo and Ensemble contest, IHSA organization contest. Jazz band participation is based upon enrollment into High School Band class. Jazz Band is not graded, but is an extracurricular portion of High School Band. <b>PREREQUISITE:</b> Students must successfully complete four years of middle school band or have permission from the instructor to enroll.</p> <p><b>CHOIR:</b> (1 credit) The High School Concert Choir is a vocal ensemble that meets daily to study, rehearse and perform vocal literature. Study includes works from all periods of music history. In addition to English, works are studied and presented in the major languages of vocal music (Italian, Latin, French, and German). Emphasis is also placed on good choral technique, with attention given to breathing, posture and diction. In addition to choral literature, topics include music history, basic music theory, music reading and score study. Students perform in a minimum of four concert/contest settings and have several opportunities to perform in other settings as well.</p>
<p><b>FOREIGN LANGUAGE</b></p>	<p><b>SPANISH 1:</b> (1 credit) Students begin learning the basics of Spanish grammar, with special attention focused on verb tenses and vocabulary. Language fluency, including reading, writing, listening and speaking skills are developed through practice and with tapes, videos, and activities used to make classroom interaction meaningful. Students build on their appreciation of the Hispanic culture and civilization.</p> <p><b>SPANISH 2:</b> (1 credit) This course is a continuation of Spanish I and is very similar in format with an emphasis on increasing students' active and passive vocabulary. Students continue with the basics of Spanish grammar, with special attention focused on verb tenses. Language fluency, including reading, writing, listening and speaking skills are developed through practice and with tapes, videos, and activities used to make classroom interaction meaningful. Students build on their appreciation of the Hispanic cultures and civilizations. <b>PREREQUISITE:</b> Students must successfully complete Spanish 1.</p> <p><b>SPANISH 3:</b> (1 credit) Students continue to refine reading, writing, speaking and listening skills through reading and discussion of various stories and dialogues. The basic grammar foundation presented in Spanish 1 and 2 is expanded upon, and cultural information is more in-depth with contemporary and historical considerations. <b>PREREQUISITE:</b> Students must successfully complete Spanish 1 and 2.</p> <p><b>SPANISH 4:</b> (1 credit) Students continue to refine previously learned skills. Students continue with the textbook where they left off in Spanish III. There are many opportunities for reading and writing, but the emphasis is on listening comprehension and on speaking in discussion format. Extensive investigation into the cultural diversity in the Hispanic world as well as geography and history are stressed. <b>PREREQUISITE:</b> Students must successfully complete Spanish 1, 2, and 3.</p>

	<p><b>AP SPANISH:</b> (1 credit) AP Spanish Language and Culture course emphasizes communication by applying social and analytical skills to tangible situations. The students in this course will work to develop proficiency in the Spanish Language by vocabulary usage, language control, communication strategies, and cultural awareness. The students in this course are required to hear, read, write and speak wholly in the Spanish Language. The class is weighted if students choose to take the AP exam. <i>The current cost of the exam is \$98 (may increase by \$1 or \$2) - due in the fall of the school year.</i></p> <p><b>PREREQUISITE:</b> Students must successfully complete Spanish 1, 2, 3 and 4.</p>
<p><b>INDUSTRIAL TECHNOLOGY</b></p>	<p><b>INTRODUCTION TO INDUSTRIAL TECHNOLOGY:</b> (1 credit) This course serves as an explorative and enriching introduction to Industrial Technology and Engineering. Students will be involved in such activities as drafting, CAD, 3-D printing, woodworking, sheet metal, welding, and various phases of the construction industry as time allows. Time allotments will vary per area of interest. This course should acquaint the student with some of the various aspects of industry and better prepare them for life. Certain lab fees required for materials and/or supplies. This course is a prerequisite for all other courses within the ITE department.</p> <p><b>AGRICULTURAL MECHANICS AND TECHNOLOGY:</b> (1/2 credit) This course will concentrate on expanding students' knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Intro to Industrial Tech.</p> <p><b>MACHINERY SERVICES:</b> (1/2 credit) This comprehensive machinery service course concentrates on the following areas: using service manuals, electrical applications for agricultural equipment, fundamentals of multi-cylinder engines, reconditioning and repairing agricultural equipment, assembling and adjusting agricultural equipment, organization and management of agricultural machinery dealerships, human relations, and sales techniques.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Intro to Industrial Tech and Agricultural Mechanics and Technology. If students have not taken Agricultural Mechanics and Technology, they will need teacher permission to enroll in the class.</p> <p><b>MAINTENANCE TECHNOLOGY:</b> (1 credit) This course is intended to provide students with planned learning experiences and activities that include safety, basic hand and power tools, mathematics, precision measurement, blueprint reading, introduction to electricity, basic carpentry, scaffolding and rigging, and basic welding and cutting. In addition, students are introduced to robotics and other automated manufacturing procedures.</p> <p><b>PREREQUISITE:</b> Students must successfully complete Introduction to Industrial Technology. Students must apply for this course with the teacher.</p> <p><b>BACC WELDING 1:</b> (3 credits at TVHS; students have a chance to earn 3 HRS from Heartland: Welding 110) This course is designed for students with an interest in the field of manufacturing, which includes machining, sheet metal, computerized machines, and welding. Classroom instruction will include workplace safety, blueprint reading, applied math, training of hand and power tools, and instruction on proper procedures of laboratory equipment. Specialized laboratory learning experiences include planning, manufacturing, assembling, and metal fabricating process. Students may work towards the American Welding Society (AWS) Page 8 certification in Shielded Metal Arc Welding (SMAW). Students will develop skills necessary to continue with post-secondary education, or obtain an entry-level position in the manufacturing occupations. Students will also benefit from the business partnership with Caterpillar.</p> <p><b>PREREQUISITE:</b> Students must complete a BACC application.</p>

	<p><b>BACC WELDING 2:</b> (3 credits at TVHS; students have a chance to earn 6 HRS from Heartland: Manufacturing 115 and Welding 116) Students enrolled in this course will enhance their opportunities for obtaining employment in manufacturing. Students will specialize in an area of interest while mastering blueprint reading, applied math, training of hand and power tools, and instruction on proper procedures of laboratory equipment. Students will also increase the amount of lab experience in the area of Computer Numerical Control (CNC) by using a lathe and vertical mill. Students experience 95% hands-on activities during the second year and may work towards the American Welding Society (AWS) certification in the Shielded Metal Arc Welding (SMAW). Students will also benefit from the business partnership with Caterpillar.</p> <p><b>PREREQUISITE:</b> Students must successfully complete BACC Welding 1 and complete a BACC application.</p>
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