# Grade 9-12

ARISE VIRTUAL ACADEMY

Achieving Results in Student Education

# ACADEMIC AND CAREER PLANNING GUIDE

## Programs of Study
## Course Offerings
## Career Clusters

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**ariseva.com**

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- Family and Consumer Science
- Health
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- AVA Interdisciplinary Studies
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**Statewide Courses:** Not every school district can offer Criminology, Forensic Science, or Chinese electives. ARISE Virtual Academy partners with the Wisconsin eSchool Network and shares certified instructors. We are able to offer courses using instructors from around Wisconsin to offer courses that are in the students career pathway of interest.

ARISE Virtual School has a variety of online partners that help us provide an excellent education experience for all of their students. **FlexPoint Educational Cloud:** FlexPoint is a leading online learning provider that delivers engaging




and innovative experiences so students can enjoy a safe, reliable, and flexible education in a supportive environment.

## IMPORTANT PLANNING INFORMATION

As you begin course selection for the upcoming year, it is essential to remember that this is a portion of your long-range high school plan.

Future coursework, postsecondary education, and career goals are impacted by the choices that you make in course selection. If after reading this document you still have questions about the process, please contact the ARISE Office. Staff will assist you in answering questions. The ARISE Office may be reached at 743-6110.

### GRADUATION REQUIREMENTS

Students must earn 26.5 credits. A course that meets five days per week for one semester is awarded 0.5 of a credit. Each student must earn credits in the following required courses:

| Curricular Area | Credits Required |
|---|---|
| **English** | **1.0 English I or English I honors**<br>**1.0 English II or English II honors**<br>**1.0 English III or English III honors**<br>**1.0 English IV, AP English Lit. or Lang., Creative Writing, Gothic Lit., Mythology & Folklore** |
| **Social Studies*** ** | **1.0 World History**<br>**1.0 US History**<br>**.5 US Government**<br>**.5 Additional Social Studies Credit (Students planning to attend four-year college should take 4.0 credits)** |
| **Mathematics** | **1.0 Algebra I**<br>**1.0 Geometry**<br>**1.0 Algebra II or Liberal Arts Math**<br>**Algebra I, Geometry, Algebra II or (Students planning to attend a four-year college, should take Algebra II at minimum.)**<br>******Accelerated Students will take Courses based on teacher recommendation.****** |
| **Science** | **1.0 Biology**<br>**1.0 Physical Science or Chemistry**<br>**1.0 Additional Science Credit** |

| | (Students wishing to attend a four-year college should take 4.0 credits) |
|---|---|
| **Physical Education** | **1.5** |
| **Health & Wellness (Grade10)** | **0.5** |
| **Personal Finance (Grade 11)** | **0.5** |
| **Critical Thinking (Freshman Seminar (Grade 9)** | **0.5** |
| **Leadership 1a (Grade 10)** | **0.5** |
| **Leadership 1b (Grade 11)** | **0.5** |
| **Leadership II (Grade 12)** | **0.5** |

*****Students must meet Civics Test requirements**

## ADDITIONAL CREDITS

A. Students may recover credits or earn credit through summer school. Contact our counselor for more information.

B. Students may earn credit through work experience. Contact our counselor for more information.

## ADVANCED PLACEMENT (AP) COURSES

Advanced Placement and Honors courses are available. The School District of Janesville offers the Advanced Placement (AP) Program for students who want to be academically challenged. The AP Program is a cooperative educational endeavor between high schools and colleges which offers the potential to earn college credit for college-level courses taken while in high school when students receive a particular score on the AP exam.

## ADVANTAGES OF PURSUING AP AND HONORS COURSES

- Provides rigorous academic experience
- Better prepares students for post-secondary course work
- Increases competitive edge in gaining entrance into selective colleges
- Potential to earn college credit or placement in advanced courses
- Enhances academic preparation for college entrance exams (ACT/SAT)
- Allows students to pursue academic/career interests in more depth

## ADVANCED PLACEMENT COURSES

| | |
|---|---|
| AP Art History | AP Biology |
| AP English Language and Composition | AP Environmental Science |
| AP Human Geography | AP Macroeconomics |
| AP Physics | AP Psychology |
| AP Statistics | AP Spanish |

| | |
|---|---|
| AP World History Modern | AP Microeconomics |
| AP French | AP Calculus |

**TRANSCRIPTED CREDIT (TC)**

Transcripted Credit agreements allow School District of Janesville (SDJ) students the opportunity to take BTC courses. Classes offered for Transcripted Credit are free of charge to the student and are taught by SDJ teachers who are certified by the Wisconsin Technical College System. These are college courses that will produce a permanent college transcript and grade point average for each student. If you believe that producing a permanent college transcript and grade point is not in your best interest academically, please consider requesting a non-transcripted credit (TC) course. If you need more information about Transcripted Credit, see your counselor before requesting courses. Students receive a permanent, official BTC transcript and college G.P.A. that is recognized by many technical colleges and universities in the state of Wisconsin. Please look for the BTC symbol, which identifies specific courses which may be granted Technical College Credit. The School District of Janesville may offer transcripted credit in the following courses based on certified staff employment.

**ADVANCED STANDING (AS) CREDIT**

Advanced Standing courses are equivalent to a BTC course and are taught by high school teachers. Classes offered for Advanced Standing credit are free of charge to the student and are taught in the local high school. Students who receive a "B" or better are awarded technical college credit only when they enroll in a program at BTC. Advanced Standing classes vary by high school so check with your school counselor to find out what classes are offered to you at your school. Please look for the BTC symbol, which identifies specific courses which may be granted Technical College Credit.

**GRADING SCALE**

| Grade | Range Rank | Points per Credit |
|---|---|---|
| A | 92 – 100 | 4.00 |
| A- | 90 – 91 | 3.67 |
| B+ | 88 – 89 | 3.33 |
| B | 82 – 87 | 3.00 |
| B- | 80 – 81 | 2.67 |
| C+ | 78 – 79 | 2.33 |
| C | 72 – 77 | 2.00 |
| C- | 70 – 71 | 1.67 |
| D+ | 68 – 69 | 1.33 |
| D | 62 – 67 | 1.00 |
| D- | 60 – 61 | 0.67 |
| F | 50 – 59 | 0 |

# GLOBAL SCHOLAR CERTIFICATE
## Requirements, Process, and Application

The Global Scholar Certificate is a distinction School District of Janesville students have the opportunity to earn through coursework,experiences and reflections to develop cultural literacy, participation in global activities, and contributions through global service projects. To be considered, students must document those activities and reflections as evidence of meeting the Global Scholar criteria for review by the Global Scholar committee. Names of students whom the committee verifies to have successfully met the Global Scholar criteria will be submitted to the Wisconsin Department of Public Instruction (DPI) for award. Students will receive a Global Scholar Certificate from DPI, will have the Global Scholar designation recorded on their transcripts at the time of graduation, and will receive a Global Scholar pin and cord to wear with their cap and gown.

**Requirements**

1. Coursework
a. Four credits in one world language or evidence of language proficiency at or above Intermediate High on the ACTFL
scale.
b. Four credits in courses with global content. One credit may be one year of a second world language.
2. Eight Reflections demonstrating cultural literacy development.
a. Minimum of four reflections on books
b. Minimum of one reflection on film
3. Verification of active participation/leadership in four, or more school-based extracurricular and special events with a global
focus.
4. A minimum of twenty hours work on a service learning project related to a global issue.

**Application Process**

Students choosing to work towards the Global Scholars Certificate are responsible for all activities and documentation. Students should contact Social Studies and World Language Teachers or Guidance Counselors with questions or concerns. Qualifying seniors must submit documentation of all requirements including the attached documentation “trackers” and eight reflections via Google folder shared with globalscholars@janesville.k12.wi.us. **Google folders must be named with “First Name and Last Name, GS Application, Graduation Year.” Each document within the folder must also be identified with the student’s name. The folder and documents must be shared with full editing rights, so that they can be shared digitally with the committee to review prior to the meeting. Complete folders must be shared by the last day of 3rd quarter prior to graduation.**

# ACADEMIC AND CAREER PLANNING: OVERVIEW

A Wisconsin law passed in 2013 says that every school district must provide Academic and Career Planning (ACP) services to students in grades 6-12 beginning in the 2017-18 school year.

ACP is critical because it helps students create and cultivate their own visions for post-secondary success, obtained through self-exploration, career exploration, and the development of career management and planning skills. Teachers, parents, and various partners assist students in this process by helping them deepen their knowledge of themselves, improve their understanding of postsecondary options, better connect their goals to educational coursework and career interests, and take part in long-term planning for life after high school.

To support students in their Academic and Career planning, we have aligned our subject selection handbook using the national Career Cluster framework to assist in our efforts, and created a more comprehensive Academic and Career Planning Guide.

**Career Cluster Framework:** The career cluster framework provides a sequential path for students to take a career interest and develop it into job potential. The 16 broad career clusters are broken down into 79 specific pathways. Students will be able to learn about multiple careers within each pathway and choose one program of study available in their school, which will be developed through the process laid out in this manual. That POS will be tied to community needs, specific partnerships, and a sequence of courses which will provide a channel for students to move seamlessly from high school to a post-secondary institution. The POS becomes a foundation for each students' Academic and Career Plan, which is a portfolio of student accomplishment in preparation for post-secondary education or the workforce.

**Career Clusters** are broad occupational groupings based on a set of common knowledge and skills required for a broad group of careers. Wisconsin has adopted the National 16 Career Clusters that also serve as a tool for organizing curriculum and instruction. Career clusters provide opportunities for all students regardless of their career goals and interests. They are a tool for a seamless educational system that blends rigorous academic/technical preparation, provides career development, offers options for students to experience all aspects of a business or industry, and facilitates/assists students and educators with ongoing transitions.

**Career Pathways** are a sub-grouping of careers used as an organizing tool for curriculum design and instruction. Similar to career clusters, career pathways are grouped based on their requirements for a set of core and similar knowledge and skills for career success. Each pathway highlights a specific part of each cluster. An easy example of this can be seen in the Agriculture, Food and Natural Resources cluster. Seven different pathways, from Animal to Plant Systems highlight the variety of interests that each cluster holds for students. Career Pathways are critical to 21st Century schools and learners. Each pathway is grounded in a set of four guiding principles:

1. Career Pathways prepare students for post-secondary education and careers. A

Pathway is always about both objectives; it is never a choice between one or the other.

2. Career Pathways connect academics to real-world applications. Each Pathway integrates challenging academics with a demanding career and technical educational curriculum. Pathways alter how core academic subjects are taught; they do not lower expectations about what is taught.
3. Career Pathways lead to the full range of post-secondary opportunities. Pathways prepare students for all the avenues they might pursue following high school graduation—two- and four-year college, certification programs, apprenticeships, formal job training, and military service. Each Pathway represents a broad industry theme that can appeal to and engage a student regardless of prior academic achievement and post-secondary aspirations.
4. Career Pathways improve student achievement. Pathways and Programs of Study are based on accountability.

They are designed to produce higher levels of achievement in a number of measurable arenas, including academic and technical scores, high school completion, post-secondary transitions to career and education, and attainment of a formal post-secondary credential.

***Academic and Career Plan (ACP)*** includes a program of study and learning that represents a fluid, living, breathing, mapped academic plan reflecting a student's unique set of interests, needs, learning goals, and graduation requirements. It goes beyond the "four-year plan" by recording the student's connections to the larger community including examples of community service and volunteerism; membership in community organizations; participation in leadership activities outside of school; involvement in job shadowing, mentorships, and/or apprenticeships; and the pursuit of skill development through hobbies, athletics, and fine arts.

The Wisconsin Department of Public Instruction has created a resource to help leadership teams get started with ACP planning and implementation. This link can be found at: [ACP Implementation Guide]




**POST-SECONDARY PLANNING**

Students can utilize Wisconsin's Early College Credit Program or Start College Now, courses that provide Transcripted Credit/Advanced Standing, and Advanced Placement coursework, as well as Career Experience and Service Learning credit, to begin some of their post-secondary education while still in High School.

# 16 CAREER CLUSTERS

| | |
|---|---|
| CareerClusters™ PATHWAYS TO COLLEGE & CAREER READINESS **Agriculture, Food & Natural Resources** | The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources. |
| CareerClusters™ PATHWAYS TO COLLEGE & CAREER READINESS **Architecture & Construction** | Careers in designing, planning, managing, building, and maintaining the built environment. |
| CareerClusters™ PATHWAYS TO COLLEGE & CAREER READINESS **Arts, A/V Technology & Communications** | Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. |
| CareerClusters™ PATHWAYS TO COLLEGE & CAREER READINESS **Business Management & Administration** | Careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. |
| CareerClusters™ PATHWAYS TO COLLEGE & CAREER READINESS **Education & Training** | Planning, managing and providing education and training services, and related learning support services such as administration, teaching/training, administrative support, and professional support services. |
| CareerClusters™ PATHWAYS TO COLLEGE & CAREER READINESS **Finance** | Planning and related services for financial and investment planning, banking, insurance, and business financial management. |
| CareerClusters™ PATHWAYS TO COLLEGE & CAREER READINESS **Government & Public Administration** | Planning and executing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations. |
| CareerClusters™ PATHWAYS TO COLLEGE & CAREER READINESS **Health Science** | Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. |

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|  | Preparing individuals for employment in career pathways that relate to families and human needs such as restaurant and food/beverage services, lodging, travel and tourism, recreation, amusement and attractions. |
|  | Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services. |
|  | Building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services. |
|  | Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services. |
|  | Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering. |
|  | Planning, managing, and performing marketing activities to reach organizational objectives such as brand management, professional sales, merchandising, marketing communications and market research. |
|  | Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services. |
|  | The planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance. |

My top three Career Clusters of interest are:

1. _____ 2. _____ 3. _____

# 4 YEAR PLAN

Information necessary to map out a four-year plan is found in this High School Academic and Career Planning Guide. Information is also available from teachers or our school counselor, or in conferences held with staff members during course selection.

| GRADE 9 | | | | | | | |
|---|---|---|---|---|---|---|---|
| Semester A | | | Credits | Semester B | | | Credits |
| 1 | English | | | 1 | English | | |
| 2 | Math | | | 2 | Math | | |
| 3 | Freshman Seminar/Phy Ed | | | 3 | Phy Ed/Freshman Seminar | | |
| 4 | Science | | | 4 | Science | | |
| 5 | Social Studies | | | 5 | Social Studies | | |
| 6 | Elective | | | 6 | Elective | | |
| 7 | Elective | | | 7 | Elective | | |
| 8 | Elective | | | 8 | Elective | | |
| | | Total Credits: | | | | Total Credits: | |
| **GRADE 10** | | | | | | | |
| Semester A | | | Credits | Semester B | | | Credits |
| 1 | English | | | 1 | English | | |
| 2 | Math | | | 2 | Math | | |
| 3 | Phy Ed/Health | | | 3 | Health/Phy Ed | | |
| 4 | Science | | | 4 | Science | | |
| 5 | Social Studies | | | 5 | Social Studies | | |
| 6 | Elective | | | 6 | Elective | | |
| 7 | Elective | | | 7 | Elective | | |
| 8 | Elective | | | 8 | Elective | | |
| | | Total Credits: | | | | Total Credits: | |
| **GRADE 11** | | | | | | | |
| Semester A | | | Credits | Semester B | | | Credits |
| 1 | English | | | 1 | English | | |
| 2 | Math | | | 2 | Math | | |
| 3 | Personal Finance/Phy Ed | | | 3 | Phy Ed/Personal Finance | | |
| 4 | Science | | | 4 | Science | | |
| 5 | Social Studies | | | 5 | Social Studies | | |
| 6 | Elective | | | 6 | Elective | | |
| 7 | Elective | | | 7 | Elective | | |
| 8 | Elective | | | 8 | Elective | | |
| | | Total Credits: | | | | Total Credits: | |
| **GRADE 12** | | | | | | | |
| Semester A | | | Credits | Semester B | | | Credits |
| 1 | English | | | 1 | English | | |
| 2 | Elective | | | 2 | Elective | | |
| 3 | Elective | | | 3 | Elective | | |
| 4 | Elective | | | 4 | Elective | | |
| 5 | Elective | | | 5 | Elective | | |
| 6 | Elective | | | 6 | Elective | | |
| 7 | Elective | | | 7 | Elective | | |
| 8 | Elective | | | 8 | Elective | | |
| | | Total Credits: | | | | Total Credits: | |

# AVA English

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| English I / English I Honors<br>Grade: 9<br>Credit: 1.0<br>Length: Year<br>Prerequisites: None | In English I, students take a journey through important concepts–the Unknown, Equality, Identity, Opportunity, and Understanding–to learn the foundations of communication and analysis. In each unit of the course, students explore a variety of STEM-related literature, including genre fiction, poetry, non-fiction, and speeches. Through the study of this writing, students hone their own skills in communication and analysis. To facilitate engagement and academic responsibility, students are encouraged to make choices at different points in the course. Most notable is the novel unit, in which students must select their book from a list of titles available. This practice gives ownership to the student and places each learner in a position to develop a deeper appreciation of reading.<br>The honors course contains all of the above plus an additional module exploring Universal Themes and language. |
| English II/English II Honors<br>Grade: 10<br>Credit: 1.0<br>Length: Year<br>Prerequisites: English I | In English II, students learn how the human experience—real life—is the foundation of the best stories, plays, poems, films, and articles. In each unit of the course, students explore a specific aspect of the human experience such as laughter, obstacles, betrayal, fear, or transformation. Through the study of literature, nonfiction, and life, students explore what it means to be human, what it means to be fulfilled, triumphant, empowered, and transformed.<br>As in life, students have many choices in the English II course. They choose the order in which they complete the units. Students also choose some of the works they read and have countless choices when it comes to demonstrating what they have learned. Whether reading a poem or a novel, writing a story or an analysis, or studying a Shakespearean tragedy or a modern suspense film, students explore what it means to be human, a subject on which they are already experts!<br>The honors course contains all of the above plus additional assignments in each module as well as a novel. |
| English III/English III Honors<br>Grade 11<br>Credit 1.0 | In English III, the writing and insights of authors throughout history are collected in the fast-paced pages of The Virtual Times. Students will gain an appreciation of American literature and the ways it reflects the times in which it was written. Students will discover how people thought and lived and wrote about their experiences. They will also be asked to observe, investigate and report on stories of today. The goal is to be thorough, accurate and compelling in writing.<br>The honors course contains all of the above plus an additional module each semester. Students will read a novel and analyze theme, plot, language, and style. |
| English IV/English IV Honors<br>Grade 12 | English IV students will study the motives that have driven people's actions for centuries. Along the way they will encounter epic heroes defying danger, tormented minds succumbing to the |

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| Credit 1.0<br>Length: Year<br>Prerequisites: English III | power of greed and ambition, enlightened thinkers striving for individual rights and freedoms, sensitive souls attempting to capture human emotion, and determined debaters taking a stand on critical issues. Students will read to analyze the way language is used to express human motivation and research to examine the results of actions in the real world. The lessons in each module will give students the tools they need to gain insights from what they read and to use their knowledge in creative and analytical writing. The honors course contains all of the above plus it has an additional module each semester and a novel. |
| Mythology & Folklore:<br>Legendary Tales<br>Grades: 10, 11, 12<br>Credit: 0.5<br>Length: Semester A<br>Prereqs: English I<br>Concurrent Enrollment in English II/III | Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. Explore how these compelling tales continue to shape society even today. |
| Gothic Literature: Monster Stories<br>Grades: 10, 11, 12<br>Credit: 0.5<br>Length: Semester B<br>Prereqs: English I<br>Concurrent Enrollment in English II/III | In Gothic Literature, students will learn about how some of the world's greatest authors from the 19th century through today used Gothic elements to tackle issues that needed serious attention: the class system, gender norms, racism, social injustice, and more! Grab your monster gear and explore why Gothic literature has retained its appeal even with today's audiences. |
| AP English Literature & Composition<br>Grades: 11, 12<br>Credit: 1.0<br>Length: Year<br>Prerequisites: English III or Consent of Instructor | Read and analyze imaginative literature from various periods and disciplines while sharpening your understanding of how a work's style, figurative language, theme, and other literary elements contribute to its meaning and cultural significance. |
| AP English Language & Composition<br>Grades: 11, 12<br>Credit: 1.0<br>Length: Year<br>Prerequisites: English III or Consent of Instructor | An Advanced Placement course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. The college composition course for which the AP English Language and Composition course substitutes is one of the most varied in the curriculum. |

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| Creative Writing A<br>Grades: 10, 11, 12<br>Credit: 0.5<br>Length: Semester A<br>Prerequisites: English I | At the beginning of the semester, students consider the importance of word play exercises in improving their facility with language while building a compelling and creative writing style. Focusing on word nuances and precision, later lessons guide students to write in a variety of short modes-including poetry, song lyrics, prose poetry, short short stories, and creative nonfiction. There are several opportunities for peer review in this semester, during which students learn best practices for participating in writing workshops, and then revise their work using feedback from their peers. |
| Creative Writing B<br>Grades: 10, 11, 12<br>Credit: 0.5<br>Length: Semester B<br>Prerequisites: English I<br>Creative Writing A | This semester focuses on longer works of fiction: short stories, plays, and novels. Students learn basic techniques of plot and character development along with strategies for creating suspense and building a theme, and they have opportunities to write in several different genres. Lessons cover a few special topics as well, including graphic novels, animation, comedy, and improvisation. Students apply what they have learned about writing workshops and revising to the longer pieces of writing they create for this semester. |
| Creative Writing: Unleashing the Core of your Imagination<br>Grades: 10, 11, 12<br>Credit: 0.5<br>Length: Semester A or B<br>Prerequisites: English I | For many hundreds of years, literature has been one of the most important human art forms. It allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. Through creative writing, we can come to understand ourselves and our world a little bit better. This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing. |
| Public Speaking A<br>Grades: 10, 11, 12<br>Credit: 0.5<br>Length: Semester A<br>Prerequisites: English I | Does the thought of speaking in front of people makes you break out in hives? Maybe you want tips on how to make that first great impression? In both cases, Public Speaking 1a: Introduction may be just what you need. In this course, you will learn from famous orators, like Aristotle and Cicero, understand the influence of rhetoric, and discover how to recognize bias, prejudice, and propaganda. You will also learn how to plan a speech, build an argument, and communicate effectively, while collaborating with others. Grab your notes and get ready to conquer public |
| Public Speaking B<br>Grades: 10, 11, 12<br>Credit: 0.5<br>Length: Semester B<br>Prerequisites: English I<br>Public Speaking A | If you've learned the basics and are ready to expand your public speaking skills, Public Speaking 1b: Finding Your Voice is for you. In this course, you'll master the fundamentals of public speaking through practice and eventually learn to speak confidently in front of large groups. Explore the use of inductive and deductive reasoning, learn how to prepare a speech outline, and discover how to write your own speech using correct and emotive language. This course will also help you to develop self-efficacy and self-esteem, reduce your fear of public speaking, and teach |

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| | you how to use body language effectively. You'll also learn how to stand back and critically examine your own work in order to identify areas for improvement. |
| Journalism A<br>Grades: 9, 10, 11, 12<br>Credit: 0.5<br>Length: Semester A<br>Prerequisites: English I | Are you a storyteller at heart? Are you always the first one to know what's going on at school or in your town and excited to share the latest breaking news? If so, you are the kind of person every online, print, and broadcast news outlet is searching, and Journalism 1a: Introduction is the perfect course for you! Explore the history of journalism and see how social media and the digital world has changed the way news media operates. Learn the basics of press law as well as the code of ethics journalists should follow. Finally, understand how to make your writing and speaking more powerful, and discover the importance of pictures and images when telling a story. |
| Journalism B<br>Grades: 9, 10, 11, 12<br>Credit: 0.5<br>Length: Semester B<br>Prerequisites: English I<br>Journalism A | If you want to turn your writing, photography, and collaborative skills into an exciting and rewarding career, Journalism 1b: Investigating the Truth is where to begin. Learn how to write a lead that grabs your readers, discover the roles of sources and how to interview them effectively, and explore the best options for researching your story in a digital world. You will also understand the role editors and producers play in the revision process, learn how to prepare your posts for publication, and how to follow the publication process - from the flow of a work day to the layout of a newspaper or a news broadcast. |
| Intensive Reading: Universe of Reading<br>Grades: 9, 10, 11, 12<br>Credit: 1.0<br>Length: Year<br>Prerequisites: Consent of Instructor | The purpose of this course is to provide instruction that enables students to accelerate the development of reading and writing skills, and to strengthen those skills so they are able to successfully read and write grade-level text independently. Instruction emphasizes reading comprehension, writing fluency, and vocabulary study through the use of a variety of literary and informational texts that encompass a broad range of text structures, genres, and levels of complexity. Texts used for instruction focus on a wide range of topics, including content-area information, in order to support students in meeting the knowledge demands of increasingly complex text. Students enrolled in the course will engage in interactive text-based discussions, question generation, and research opportunities. They will write in response to reading, and cite evidence when answering text dependent questions orally and in writing. The course provides extensive opportunities for students to collaborate with their peers. Scaffolding is provided as necessary as students engage in reading and writing increasingly complex text,and is removed as the reading and writing abilities of students improve over time. |
| Intensive Reading: Fields of Reading<br>Grades: 9, 10, 11, 12<br>Credit: 1.0<br>Length: Year | The purpose of this course is to provide instruction that enables students to accelerate the development of reading and writing skills, and to strengthen those skills so they are able to successfully read and write grade-level text independently. Instruction emphasizes reading comprehension, writing fluency, |

| | |
|---|---|
| Prerequisites: Consent of Instructor | and vocabulary study through the use of a variety of literary and informational texts that encompass a broad range of text structures, genres, and levels of complexity. |
| Reading & Writing for Purpose<br>Grades: 9, 10, 11, 12<br>Credit: 0.5<br>Length: Semester A<br>Prerequisites: Consent of Instructor | This course introduces useful, real-world information by having students learn to read legal, insurance, employment, and vehicle related documents. Furthermore, students will explore media bias, trends in journalism, word structures, and research strategies. To entrench real-world applications, students will learn how to critically read, identify good sources of information, and create an outline, making this course an asset to building life and study skills. |
| Lord of the Rings: An Exploration of the Films and their Literary Influences<br>Grade: 10, 11, 12<br>Credit: 0.5<br>Length: Semester B<br>Prerequisites: English I | The Lord of the Ring's is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkein's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films. |
| Media & Communications<br>Grade: 9, 10, 11, 12<br>Credit: .5<br>Length: Semester A<br>Prerequisites: None | From banner ads to billboards, newspaper articles, and Facebook feeds, people are constantly sharing ideas. This course looks at the many facets of mass media. Students will learn how the media shapes every aspect of our lives. We examine the role of newspapers, books, magazines, radio, movies, television, and the growing influence of Facebook, YouTube, and Twitter. |

# AVA Mathematics

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| Pre-Algebra<br>Grade: 9, 10, 11, 12<br>Credit: 1.0<br>Length: Year<br>Prerequisites: Consent of Instructor | Pre-Algebra will help students move from the world of simple mathematics to the exciting world of Algebra and Geometry. They will develop skills that will be necessary throughout their life. Students will stretch their thinking by learning to solve real world problems.Learning math and algebra concepts can be fun. Abstract ideas can be challenging for many students but the challenge is one they can meet. Concepts are presented with a little humor, making the learning fun. Students will enjoy learning each new concept and develop a deeper understanding of the math skills they already have. Each concept is presented using examples of the skills, concepts, and strategies students will need. Scaffolding of ideas is provided to ensure student learning. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. |

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| | The pace is controlled by the student and reviewing the material is encouraged. |
| Algebra 1<br>Grade: 9<br>Credit:1.0<br>Length:Year<br>Prerequisites: Pre-Algebra | This course is designed to give students the skills and strategies to solve all kinds of mathematical problems. Students will also acquire the confidence needed to handle everything high school math has in store for them. Algebra 1 emphasizes the importance of algebra in everyday life through hundreds of real-world examples. Assessments are designed to ensure that your understanding goes beyond rote memorization of steps and procedures. Upon successful course completion, you will have a strong foundation in Algebra I and will be prepared for other higher-level math courses. |
| Geometry<br>Grade: 10<br>Credit:1.0<br>Length: Year<br>Prerequisites:Algebra 1 | In Geometry, instructional time will emphasize five areas: (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry; (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures; (4) creating and applying equations of circles in the coordinate plane and (5)developing an understanding of right triangle trigonometry. |
| Algebra 2<br>Grade: 11<br>Credit:1.0<br>Length:Year<br>Prerequisites:Algebra 1 | This college prep course takes the next step in Algebra. It expands on concepts from Algebra 1 to keep students on a pathway for college with any major. Students investigate the effects of an equation on its graph through the use of technology, and learn advanced math concepts of polynomials and logarithms. |
| PreCalculus<br>Grade:<br>Credit:1.0<br>Length:Year<br>Prerequisites: Algebra 2 | Students, as mathematical analysts, investigate how advanced mathematics concepts are used to solve problems. As students venture from algebra to trigonometry, they analyze and articulate the real-world application of these concepts. The purpose of this course is to study functions and develop skills necessary for the study of calculus. This course includes advanced algebra, analytical geometry, and trigonometry. |
| Calculus<br>Grade:10,11,12<br>Credit:1.0<br>Length:Year<br>Prerequisites: PreCalculus | Students in this course will walk in the footsteps of Newton and Leibnitz. An interactive text and graphing software combine with the exciting on-line course delivery to make calculus an adventure. The course includes a study of limits, continuity, differentiation, and integration of algebraic, trigonometric, and transcendental functions, and the applications of derivatives and integrals. |
| AP Calculus AB<br>Grade:10,11,12<br>Credit:1.0<br>Length:Year<br>Prerequisites:PreCalculus with Teacher | This AP Calculus course is designed with the intent for students to incorporate the concepts of all previous math courses and expand upon these concepts with the implementation of Limits. Emphasis is placed upon the multi-representational approach to calculus where problems and their solutions are explored and interpreted graphically, numerically, analytically and verbally. Students will also |

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| Recommendation | be required to explain their answers in written form and will be asked to compare their written response to the AP grading rubric and explain why they feel they should receive that grade. Students are required to use graphing calculators with the capabilities ascribed by the College Board: (apcentral.collegeboard.com). These calculators will be used in a variety of ways including multi-representation of equations (graphs and tables) and also for conducting explorations with various functions and how different values change the look of the function. |
| AP Calculus BC<br>Grade:10,11,12<br>Credit:1.0<br>Length:Year<br>Prerequisites:AP Calculus AB | AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. |
| Consumer Math<br>Grade:10,11,12<br>Credit:1.0<br>Length:Year<br>Prerequisites:Pre-Algebra | This course focuses on the mathematics involved in making wise consumer decisions. Students explore the many ways in which mathematics affects their daily lives. The first semester will cover paychecks and wages, taxes, insurance, budgets, bank accounts, credit cards, interest calculations, and comparison shopping. Second semester topics include vehicle and home purchasing, investing, and business and employee management. |
| Liberal Arts Math 1<br>Grade:10,11,12<br>Credit:1.0<br>Length: YearYear<br>Prerequisites:Pre-Algebra | This college prep course reviews key concepts of Algebra, Statistics and Geometry that are utilized in non-STEM fields. The course also emphasizes topics that are essential for scoring well on college placement tests like the ACT and the ACCUPlacer (used at Blackhawk Tech). Students apply what they learn to dozens of real-world scenarios. Equations, geometric relationships, and statistical probabilities can sometimes be dull, but not in this class! Students should come ready to reinforce and grow their existing algebra and geometry skills to learn complex algebraic and geometric concepts they will need for further study of mathematics. |
| Liberal Arts Math 2<br>Grade:11,12<br>Credit:1.0<br>Length: Year<br>Prerequisites: Liberal Arts Math 1 or Algebra 2 | Get ready to dive into Liberal Arts Math II through interactive video-based content. This is an excellent third or fourth year math course option for students. Students will learn about: Rational Numbers, Seeing Structure in Expressions, Reasoning with Equations and Inequalities, Interpreting Functions, Arithmetic with Polynomials and Rational Expressions, Linear, Quadratic, and Exponential Models, Expressing Geometric Properties with Equations, Conditional Probability and the Rules of Probability, and Making Inferences and Justifying Conclusions. |

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| Integrated Math I - IV<br>Grade:10,11,12<br>Credit:1.0<br>Length: Year<br>Prerequisites:Pre-Algebra | Special Request only. |
| Probability and Statistics<br>Grade:10,11,12<br>Credit:1.0<br>Length: Year<br>Prerequisites: Algebra 1 | Probability and Statistics will introduce students to exploring data, sampling and experimentation by planning and conducting studies, anticipating patterns using probability and simulation, and employing statistical inference to analyze data and draw conclusions. |
| AP Statistics<br>Grade:10,11,12<br>Credit:1.0<br>Length: Year<br>Prerequisites: Algebra 2 or Probability and Statistics, and Teacher Recommendation | This course offers a combination of assessment and instruction in an online environment containing but not limited to the areas of exploring data, sampling and experimentation by planning and conducting studies, anticipating patterns using probability and simulation, and using statistical inference to analyze data and draw conclusions.The purpose of this course is to provide students with a deep understanding of the concepts of statistics to prepare them for the AP Statistics Exam and for future higher education statistics courses. |

# AVA Sciences

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| Agriscience I: Introduction<br>Grade:9,10,11,12<br>Credit:0.5<br>Length:Semester A<br>Prerequisites:None | In Agriscience I: Introduction, you'll explore how agri scientists play key roles in improving agriculture, food production, and the conservation of natural resources along with the technologies used to keep the field thriving. Are you ready to explore the diverse careers in agriscience and how you can prepare to positively impact the planet? Let's get growing! |
| Agriscience II: Sustaining Human Life<br>Grade:9,10,11,12<br>Credit:0.5<br>Length:Semester B<br>Prerequisites:None | Science and technology are revolutionizing may areas of our lives, and agriculture is no exception! From aquaculture to genetic engineering, agriscience is finding new ways to better produce and manage plants, animals, and other natural resources. In Agriscience II, you will build on your existing knowledge of plant and animal science and delve deeper into important areas such as soil science and weed management. You will also explore research on plant and animal diseases as well as the insects and other pests that can impact agricultural enterprises and natural resources. |
| Anatomy & Physiology<br>Grade:9,10,11,12<br>Credit:1.0<br>Length:Year | Increase your understanding about the form and function of the human body! Starting with the relationship between anatomy and physiology, you will then learn about cell structure and their processes. Discover the functions and purposes of the skeletal, |

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| Prerequisites:None | muscular, nervous, and cardiovascular systems as well as diseases that affect those systems. Becoming familiar with the terminology of the human body is essential to those pursuing health sciences or wanting to gain a greater sense of how the human body works. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and the endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as technology used in the industry. |
| AP Biology<br>Grade:9,10,11,12<br>Credit:1.0<br>Length: Year<br>Prerequisites: | This course is taught at the college level and designed to prepare students to take the Advanced Placement Examination and score high enough to earn college credit in those colleges that recognize the examination. College level textbooks are used. The course will cover all of the topics in the AP Biology Course Description. These include biochemistry, cell structure and function, cell energetics, cellular reproduction and communication, heredity, molecular genetics, evolution, ecology, diversity of organisms, structure and function of plants and animals, and comparative anatomy. |
| Biology<br>Grade: 9<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | The Biology course guides students through the study of living and non-living systems and how they interact with one another. Students explore the world they live in by posing questions and seeking answers through scientific inquiry. Discovery takes place through observation and data collection. The students will be introduced to the structure, function, diversity, and evolution of living matter. This is a course with real relevance. It encourages curiosity and provides opportunities for students to work on hands-on lab activities and develop relationships through collaborative learning. Engaging in the study of biological science broadens the picture of the world around us. |
| Biotechnology 1a:<br>Grade: 10,11,12<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | In Biotechnology 1a: Introduction, students learn the basics of biotechnology and evolutionary theory, explore the various ways we store and preserve food, and discover the process of fermentation and microbiology. This course will also cover the importance of breeding plants and hybridization and how early breeding programs led to the study of genetics and an understanding of the function of genes. Finally, you'll delve into early industrial discoveries and explore the developments in biotechnology during the industrial revolution. |
| Biotechnology 1b:<br>Grade: 10,11,12<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | In Biotechnology 1b: Unlocking Nature's Secrets, students build on your knowledge from Biotechnology 1a and learn how this field seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved agricultural systems. Learn about some of the challenges biotechnology faces today, such as the growth of antibiotic resistant bacteria and questions about the safety of |

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| | commercially produced genetically modified organisms (GMOs). You'll research new biotechnologies and learn how they are changing the world we live in, including the environmental benefits of industrial biotechnology. |
| AP Environmental Science<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites:<br>Course Number | AP Environmental Science provides students with a global view of their world and their role in it. It examines the scientific principles and concepts required to understand the interrelationships between ocean, land, and atmosphere that guide the natural world and allow Earth to be a planet suitable for life. Laboratory activities within the course support their learning of these relationships through reflective, hands-on, or virtual experiences. In addition, students identify and analyze environmental problems that are natural and human-made, determining their own ecological footprint in the world to discover how their activities affect the world around them. They evaluate the relative risks associated with environmental problems and examine alternative solutions, such as clean energy, sustainable practices, and conservation, for resolving or preventing future environmental problems. |
| Astronomy 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites: | This course will include topics such as astronomy's history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Further knowledge is gained through the study of galaxies, stars, and the origin of the universe. |
| Astronomy 1b: Exploring the Universe<br>Grade:<br>Credit: .5<br>Length: Semester B<br>Prerequisites: | Building upon the prior prerequisite course, dive deeper into the universe and develop a lifelong passion for space exploration and investigation. Become familiar with the inner and outer planets of the solar system as well as the sun, comets, asteroids, and meteors. Additional topics include space travel and settlements as well as the formation of planets. |
| Chemistry<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | The high school chemistry course is a two-segment study of the foundations of chemistry, building on the concepts and scientific thinking laid in middle school science. Students use scientific inquiry and higher-order problem solving as they explore the composition, properties, and changes of matter and their applications through interactive simulations, engineering solutions, and virtual and hands-on experiences. Scientific inquiry, research, experimental procedures, data collection and analysis, and making inferences are an integral part of the learning experience. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. Through phenomenon-based learning, students will be able to demonstrate a vast understanding of the importance of chemistry in the world, enabling them to apply these principles to their everyday lives and our global society. |
| Earth Space Science | Earth/Space Science is a laboratory course focusing on the study |

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| Grade:11,12<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | of space, geologic structures and forces, the waters on our planet, and the atmospheric forces that shape our world. Through experimentation and investigation, students will explore the earth cycles including the geosphere, hydrosphere, crysosphere, atmosphere, and the carbon cycle. Students will learn about scientific inquiry, geologic time, space exploration, the solar system, and the universe. Upon completion of the course, students will have a clear understanding of the dynamic forces at work in the world around them, becoming better caretakers of our planet, Earth. |
| Forensic Science I: Secrets of the Dead<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites: | Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed. |
| Forensic Science II: More Secrets of the Dead<br>Grade:<br>Credit: .5<br>Length: Semester B<br>Prerequisites: | Although the crime scene represents the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined. |
| Military Careers<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Most of us have seen a war movie; maybe it had a hotshot aviator or a renegade private or a daring Special Forces operative. But outside of these sensationalized portrayals, do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine, and Introduction to Military Careers will provide the information you need to gain a broader understanding of how to find the right fit. You will learn about the five military branches - Air Force, Army, Coast Guard, Marines Corps, and Navy - and examine which jobs you might like to pursue. From aviation, to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment. |
| Marine Science<br>Grade:10,11,12<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | As our amazing planet continues to change over time, it becomes increasingly apparent how human activity has made environmental impacts. In the marine science course, students will delve deep into Earth's bodies of water and study geologic structures and how they impact the oceans. Students will investigate characteristics of various populations, patterns of distribution of life in our aquatic |

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| | systems, and ongoing changes occurring every day in our precious ecosystems. Students will be amazed and enlightened at just how much our oceans and lakes affect climate, weather, and seasonal variations. They will have the opportunity to explore the relationships among living organisms and see how they are affected by our oceans currents, tides, and waves. Hold on, it is one amazing journey. |
| Medical Terminology<br>Grade:9,10,11,12<br>Credit: .5<br>Length:Semester<br>Prerequisites: | In this course students will be introduced to basic medical language and terminology that they would need to enter a health care field. Emphasis will be placed on definitions, proper usage, spelling, and pronunciation. They will study word structure and parts, including roots, prefixes, and suffixes, as well as symbols and abbreviations. They will examine medical terms from each of the body's main systems, including skeletal, muscular, cardiovascular, respiratory, digestive, urinary, nervous, endocrine, reproductive, and lymphatic systems, and sensory organs. In addition, students will learn proper terminology for common tests, procedures, pharmacology, disease, and conditions. |
| Physics<br>Grade:11,12<br>Credit:1.0<br>Length: Year<br>Prerequisites: | In each module of Physics 1, students discover the contributions of scientific geniuses like Galileo, Newton, and Einstein. Through their work, students learn the concepts, theories, and laws that govern the interaction of matter, energy, and forces. From tiny atoms to galaxies with millions of stars, the universal laws of physics are explained through real-world examples. Using laboratory activities, simulations, images, and interactive elements, students follow in the footsteps of some of the world's greatest thinkers. |
| AP Physics<br>Grade:<br>Credit:<br>Length:<br>Prerequisites: | AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress |
| Physical Science:<br>Grade:10<br>Credit:1.0<br>Length:Year<br>Prerequisites: | This course is designed as an interactive introduction to basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course is designed to serve as a foundation for the study of the physical sciences. Students use scientific inquiry and higher-order problem solving as they explore these topics through interactive simulations, and both virtual and hands-on experiences. In addition, technology, engineering, and mathematics (STEM) concepts are integrated |

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| | throughout the course.Collaborative projects and real-world assessments aid the student in ultimately demonstrating an understanding of the importance of the physical and chemical properties of the world around them. |
| Veterinary Science: The Care of Animals<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied. |
| Great Minds in Science: Ideas for a New Generation<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow's world. |
| Renewable Technologies<br>Grade:10,11,12<br>Credit: .5<br>Length: Semester A Only<br>Prerequisites: | Cars that run on used vegetable oil. Electricity produced from your garbage. A windmill made from spare bicycle parts that pumps water to crops. Energy is life. So, how do we address the world's growing concerns about energy sources? Where will it come from in the future? How can energy be something sustainable, renewable, and accessible? Introduction to Renewable Technologies begins to uncover the development of new energy technologies and explores how recent approaches to generating, storing, and creating this precious resource have evolved. By gaining a larger understanding of this challenge, we, as thoughtful people, can implement real change and unlock the solution needed for a safer, cleaner, and more enduring world. |

# AVA Social Studies

****Required Courses/Credits**

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| Archeology: Detectives of the Past<br>Grade: 10,11,12 | The field of archeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on the techniques, methods, and |

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| Credit: 0.5<br>Length:Semester A Only<br>Prerequisites: None<br>Course Number | theories that guide the study of the past. Students will learn how archeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items. |
| African American History<br>Grade: 11,12<br>Credit: 0.5<br>Length:Semester A Only<br>Prerequisites: | Tracing the accomplishments and obstacles of African Americans from the slave trade, through emancipation, to the modern African diaspora, students will learn about the political, economic, social, religious, and cultural factors that have influenced African American life. |
| Principles of Public Service: To Serve and Protect<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Are you familiar with the term public service? When we think about public service, our thoughts often turn to professionals such as police officers, EMTs, and firefighters. While these are well-known public servants, many others work to keep our communities safe, healthy, and productive. In this course, you will learn about many different areas of public service including education, civil engineering, and social services. You will also look at the requirements for public service in general as well as the specific skills needed to be successful in each area of public service. Who knows? You may even discover the career you were meant to pursue! |
| Anthropology I: Uncovering Human Mysteries<br>Grade:10,11,12<br>Credit: 0.5<br>Length: Semester A Only<br>Prerequisites: | The aim of anthropology is to use a broad approach to gain an understanding of our past, present, future and address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys to different areas of the world will also be presented in the course. |
| Anthropology II: More Human Mysteries Uncovered<br>Grade:10,11, 12<br>Credit: 0.5<br>Length: Semester B Only<br>Prerequisites: Anthro I | This course continues the study of global cultures and the ways that humans have made sense of their world. We will examine some of the ways that cultures have understood and given meaning to different stages of life and death. The course will also examine the creation of art within cultures and examine how cultures evolve and change over time. Finally, we will apply the concepts and insights learned from the study of anthropology to several cultures found in the world today. |
| Careers in Criminal Justice 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | The criminal justice system is a very complex field that requires dedicated people willing to pursue equal justice for all. Explore different career choices and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. |

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| Careers in Criminal Justice 1b: Finding your Specialty<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Discover important aspects of criminal justice careers, such as implementing interviewing techniques, collaborating with other agencies and departments, cooperating with global partners, and communicating with various audiences. All of these tasks are completed while understanding the importance of ethical decision making in criminal justice. |
| Criminology: Inside the Criminal Mind<br>Grade:11, 12<br>Credit: .5<br>Length: Semester A Only<br>Prerequisites: | In today's society, crime and deviant behavior are often one of the top concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes but others don't? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments? |
| **Comprehensive American History<br>Grade: 10,11,12,<br>Credit: 1.0<br>Length: Year<br>Prerequisites: None<br>Course Number | The United States began as an experiment in freedom and democracy. Since its establishment, the country and its people have endured social, political and economic revolutions. In this course, students will investigate the people, events and ideas that have shaped the United States from the end of the Civil War through today. Students are asked to analyze and evaluate decisions made by political, business and military leaders. Emphasis is placed on connections between events of the past and present. This course also gives students the opportunity to conduct research and apply their learning to current, real-world problems.<br><br>**Will be taught live.** |
| History of the Holocaust<br>Grade:11,12<br>Credit: 0.5<br>Length: Semester B Only<br>:Prerequisites:<br>Course Number | Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi-disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times. |
| Human Geography: Our Global Identity | How do language, religion, and landscape affect the physical environment? How do geography, weather, and location affect |

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| Grade:10,11,12<br>Credit: 0.5<br>Length:Semester B Only<br>Prerequisites:<br>Course Number | customs and lifestyle? Students will explore the diverse ways in which people affect the world around them and how they are affected by their surroundings. Students will discover how ideas spread and cultures form, and learn how beliefs and architecture are part of a larger culture complex. In addition, this course will teach students how to analyze humans and their environments. |
| National Security<br>Grade:11, 12<br>Credit: .5<br>Length: Semester A Only<br>Prerequisites: | In this course, you will learn the critical elements of this very important career, such as evaluating satellite information, analyzing training procedures, assessing military engagement, and preparing intelligence reports. In addition, you will gain a better understanding of appropriate responses to security threats and how best to coordinate information with other agencies. |
| Personal Psychology I: The Road to Self-Discovery<br>Grade:11,12<br>Credit: 0.5<br>Length:Semester A Only<br>Prerequisites:<br>Course Number | Self-knowledge is the key to self-improvement! More than 800,000 high school students take psychology classes each year. Among the different reasons, there is usually the common theme of self discovery! Sample topics include the study of infancy, childhood, adolescence, perception and states of consciousness. Amazing online psychology experiments dealing with our own personal behavior are featured within this course. |
| Personal Psychology II: Living in a Complex World<br>Grade: 11,12<br>Credit: 0.5<br>Length:Semester B Only<br>Prerequisites:Personal Psychology I | Enrich the quality of your life by learning to understand the actions of others! Topics include the study of memory, intelligence, emotion, health, stress and personality. This course features exciting online psychology experiments involving the world around us. |
| Psychology I<br>Grade:11, 12<br>Credit: .5<br>Length: Semester A Only<br>Prerequisites: | The human brain is fascinating. Where do thoughts and memories come from? What are emotions? And why do we behave the way we do? Above all, how do these factors influence our relationships with others? In Psychology I, you will begin to understand the human mind by exploring the research and theories of some of the most brilliant psychologists throughout history. Learn how psychology influences personality and development throughout the entire human lifespan, even from birth. Explore different psychological disorders and how they are treated according to the Diagnostic and Statistical Manual of Mental Disorder. And learn psychological tips that you can use every day, like how to cope and reduce stress. So, are you ready to unlock the mysteries of the human brain? |
| Philosophy: The Big Picture<br>Grade 10,11,12:<br>Credit: 0.5<br>Length: Semester A Only:<br>Prerequisites:<br>Course Number | This course will take you on an exciting adventure that covers more than 2,500 years of history! . You'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll learn about another eccentric who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you learn about these great thinkers, you'll come to see |

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| | how and where many of the most fundamental ideas of Western Civilization originated. You'll also get a chance to ask yourself some of the same questions these great thinkers pondered. |
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| **Social Problems I: A World in Crisis<br>Grade: 9<br>Credit: 0.5<br>Length:Semester A<br>Prerequisites:<br>Course Number | Students will learn more about the challenges facing societies and the relationships between societies, governments, and individuals in these areas. Each unit will focus on a particular area of social concern, often with a global view, and examine possible solutions at both a structural and individual level.<br><br>**Will be taught live.** |
| **Social Problems II: Crisis, Conflicts, & Challenges<br>Grade: 9<br>Credit: 0.5<br>Length:Semester B<br>Prerequisites: Social Problems I<br>Course Number | The Social Problems II course continues to examine the social problems that affect individuals and societies in the world today. Students learn about the overall structure of the social problem as well as how it impacts their lives. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. Students examine the connections in each issue between societies, individuals, governments, and the global arena.<br><br>**Will be taught live.** |
| Sociology I: The Study of Human Relationships<br>Grade:11,12<br>Credit: 0.5<br>Length: Semester A Only<br>Prerequisites:<br>Course Number | The world is becoming more complex. How do your beliefs, values and behavior affect the people around you and the world we live in? In this increasingly connected world, students will examine problems in our society and learn how human relationships can influence the life of the student. Exciting online video journeys to different areas of the world are also presented in the course. |
| Sociology II: Your Social Life<br>Grade:11, 12<br>Credit: 0.5<br>Length: Semester B Only<br>Prerequisites: Sociology I<br>Course Number | Sociology is the study of people, social life and society. The development of a sociological imagination will enable students to examine how society shapes human actions and beliefs, and how such actions and beliefs in turn shape society. Exciting online video journeys to different areas of the sociological world are also presented in the course. |
| United States Government<br>Grade:11,12<br>Credit:0.5<br>Length:Semester B Only<br>Prerequisites:<br>Course Number | In this course, students learn about the structure of government and how it shares power at the local, state and federal levels. This course also explores founding principles that inspired the Constitution and Bill of Rights, preserving the freedoms that students experience daily. Students will examine the processes of each branch of government, the election process, and how citizens can impact public policy. The media, interest groups and influential citizens provide examples of how the government can be affected by informed and active participants. Students will examine the U.S. Court system, and become a part of the process |

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| | by participating in the judicial decision making process. They will also discover ways the United States interacts with countries around the world, through domestic policy, foreign policy and human rights policy. Completion of this course will allow you to act as an informed citizen who is ready to participate in American democracy! |
| Women's Studies: A Personal Journey Through Film<br>Grade:11,12<br>Credit: 0.5<br>Length: Semester B Only<br>Prerequisites:<br>Course Number | This course, although looking specifically at the experiences of women, is not for girls only. If you are student interested in exploring the world through film and open minded enough to be interested in social change, this course is for you. |
| World Geography<br>Grade: 10,11,12<br>Credit: 1.0<br>Length:Year<br>Prerequisites:<br>Course Number | The student will be taught to use the basic skills of map reading and development, geographic technology, and the recognition of geographic themes to make sense of the world. The course examines world regions including the nations, people, and cultures of the Americas and Western Europe. |
| World History<br>Grade: 10,11,12<br>Credit: 1.0<br>Length: Year<br>Prerequisites:<br>Course Number | In Segment I, students will learn how the Roman Empire developed in two very distinct directions. Next, students will discover the great intellectual and cultural contributions of Islamic Empires. Journey through the Middle Ages of Europe and Japan to learn how knights and samurais lived. You will also investigate the rise and fall of some of the great kingdoms of the Americas and Africa and then travel back to the Europe of the Renaissance and Reformation era.<br>Segment II begins with a bang as students will learn about advancements in science and thought during the Age of Enlightenment and the social and political revolutions that followed as a result. As students meander through the 19th century, they will learn about the transformation from an agricultural to an industrial world and the many changes that resulted from that shift. Students will then learn about the interconnectedness of nationalism and colonialism and the two massive world wars were the end result. As students approach the finish line, they will learn about development in our modern world and the implications that historical events have on us today<br><br>**Will be taught live.** |
| Statewide AP World History: Modern<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | The first semester of AP World History Modern delves into the history of mankind. Looking back to the prehistoric times, students will develop the connections between the early river valleys, the beginnings of civilizations, and governments. Through this semester, students will be introduced to concepts that will be placed on the AP examination, and will also be given multiple opportunities to practice skills necessary for the AP exam. This |

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| Course Number | specific time will start from the First Agricultural Revolution to the Age of Exploration.<br>The second semester of AP World History Modern is a continuation of semester one, starting with how Europe evolved from the colonies being brought into the New World. This course will continue to make connections between nations and look at the big picture concepts of the world until present day. This semester will also spend one time preparing specifically for the AP exam. Through review materials and practicing skills needed for the AP exam, students will work on being prepared for the exam. |
| World Religions: Exploring Diversity<br>Grade: 10,11,12<br>Credit: 0.5<br>Semester B Only<br>Prerequisites:<br>Course Number | Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have. |
| Law & Order: Introduction to Legal Studies<br>Grade:<br>Credit: .5<br>Length: Semester B Only<br>Prerequisites: | Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, we become more informed and responsible citizens in our communities and of our nation. |

# World Language

***World Languages are taught by certified teachers outside of the School District of Janesville as part of the Wisconsin eSchool Network*.**

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| Statewide: American Sign Language 1 S1 & S2<br>Grade:9,10,11,12<br>Credit:.5<br>Length:semester<br>Prerequisites: | S1: This course will jump start your American Sign Language journey by learning the basics of this visual language and exploring the Deaf culture. Get ready to broaden your concept of communication through connections and comparisons to your own culture and community.<br>S2: The predominant sign language of Deaf communities in the United States, American Sign Language is a complex and robust language. American Sign Language 1b: Learn to Sign will introduce you to more of this language and its grammatical structures. You will expand your vocabulary by exploring interesting topics like Deaf education and Deaf arts and culture.e. |

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| Statewide: American Sign Language 2 S1 & S2<br>Grade:9,10,11,12<br>Credit:.5<br>Length:semester<br>Prerequisites: | S1: This course will reinforce the fundamental skills acquired in your American Sign Language 1 course. You will continue your journey by increasing your interpretive and communication skills of this visual language while continuing to explore the Deaf culture. Get ready to broaden your concept of communication through connections and comparisons to your own culture and community. S2: This course will reinforce the fundamental skills acquired in your American Sign Language 1 course. You will continue your journey by increasing your interpretive and communication skills of this visual language while continuing to explore the Deaf culture. Get ready to broaden your concept of communication through connections and comparisons to your own culture and community. |
| Statewide: Chinese I S1 & S2<br>Grade:9,10,11,12<br>Credit:.5<br>Length:semester<br>Prerequisites: | Immerse yourself in the beauty of the Chinese language and the richness of its diverse cultures. In the Chinese I course; you will learn beginning vocabulary and some supporting grammar skills to help build basic fluency and language proficiency. Emphasis is placed on proficient communication skills and an introduction to reading and writing is also included. In addition, you will explore the culture and apply what you learn through novice written practice, listening, reading, and speaking exercises. |
| Statewide: Chinese II S1 & S2<br>Grade:9,10,11,12<br>Credit:.5<br>Length:semester<br>Prerequisites: | Continue your journey in the exploration of the Chinese language and the richness of its diverse cultures. In the Chinese 2 course, you will sharpen the increased listening, speaking, reading, and writing skills you acquired in Chinese 2. While oral communication remains the main focus at this level, reading and writing will receive more emphasis as well. You will dive a little deeper into the culture and apply what you learn through written practice, listening, and speaking exercises. |
| Statewide: Chinese III S1 & S2<br>Grade:9,10,11,12<br>Credit:.5<br>Length:semester<br>Prerequisites: | May not be offered all semesters. In Chinese III, the students will continue to expand their abilities in various aspects of Chinese Mandarin learning. They will continue to build up their knowledge in vocabulary, sentence patterns, and grammar points in communicative contexts. They will also enhance their Chinese Mandarin listening and speaking skills such as pronunciations and intonations. The students will learn more in-depth Chinese reading and writing strategies and skills. Their Chinese reading abilities and efficiency will be greatly improved and they will be able to write in Chinese in various formats such as journal, letter, invitation, and essay. The students' knowledge and skills in writing simplified Chinese characters will also be enriched and fortified. In this course, the students will learn more about the essential Chinese culture knowledge including the origins, histories, anecdotes, and etiquettes for various cultural settings, events, or occasions. They will also gain the ability to compare and contrast the Chinese culture with their own cultures in many different aspects. |
| Statewide: Spanish I S1 & S2 | Immerse yourself in the beauty of the Spanish language and the richness of its diverse cultures. In the Spanish I course, you will |

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| Grade:9,10,11,12<br>Credit:.5<br>Length:semester<br>Prerequisites: | learn basic grammar and vocabulary skills to help build your fluency and language proficiency. You will explore the culture of Spanish-speaking countries through engaging interactive games, videos, and audio recordings and apply what you learn through written practice, listening, and speaking exercises. |
| Statewide: Spanish II S1 & S2<br>Grade:9,10,11,12<br>Credit:.5<br>Length: semester<br>Prerequisites: Spanish I | Get ready to embark on the next leg of your journey to Spanish fluency. In the Spanish 2 course, you will continue building your listening, speaking, reading, and writing skills as well as increasing your cultural awareness of Spanish-speaking countries through audio recordings, engaging images, interactive games, readings, and videos. Apply what you learn through written practices and listening and speaking exercises. Take your Spanish language skills to the next level! |
| Statewide: Spanish III S1 & S2<br>Grade:9,10,11,12<br>Credit:.5<br>Length:.semester<br>Prerequisites:Spanish I, Spanish II | Dive into the rich diversity of Hispanic culture across the globe by exploring the tastes, sights, and sounds of this dynamic language that reflects triumph, struggle, celebration, and so much more. During this cultural journey, you'll improve conversational, vocabulary, and writing skills through authentic tasks. Short of obtaining a passport, there is no better way to discover new lands, peoples, or experiences. Take your Spanish language abilities to the next level! |
| Statewide: Spanish IV S1 & S2<br>Grade:9,10,11,12<br>Credit:.5<br>Length:.semester<br>Prerequisites:Spanish I, Spanish II, Spanish III | Spanish 4 will certainly expand your language skills. However, it will also take you on a fascinating cultural journey. You'll experience the language's rich traditions and superstitions. Through exploring the past, you'll come to understand the importance of community, family, and personal relationships. You will be immersed in culture—movement, art, music, literature. Meeting real people and hearing their stories will allow you to gain new vocabulary, have better command of the language, and understand your role as a global citizen. |
| Statewide: AP Spanish A & B<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | **May not be offered all semesters.** The AP Spanish Language and Culture course is an advanced language course in which students are directly prepared for the AP Spanish Language and Culture test. It uses as its foundation the three modes of communication: interpersonal, interpretive and presentational. The course is conducted almost exclusively in Spanish. The course is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to listen to, read, and understand a wide-variety of authentic Spanish-language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using Spanish, gain knowledge and understanding |

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| | of the cultures of Spanish speaking areas of the world, use Spanish to connect with other disciplines and expand knowledge in a wide-variety of contexts, develop insight into the nature of the Spanish language and its culture, and use Spanish to participate in communities at home and around the world. The AP Spanish Language and Culture course is a college level course. The intensity, quality, and amount of course material can be compared to that of a third-year college course. |
| Statewide: French I<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | Students begin their introduction to French by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language progression can be monitored. |
| Statewide: French II<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | This course is a continuation of a beginning level French course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material students learn to express themselves using an ever increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. |
| Statewide: French III<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | Students further deepen their understanding of French by focusing on the three modes of communication: interpretive, interpersonal and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. |
| Statewide: AP French<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | Our online AP French Language & Culture course is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP French Language course prepares them for the AP French exam. Its foundation is the three modes of communication |

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| | (Interpersonal, Interpretive and Presentational) as defined in the Standards for Foreign Language Learning in the 21st Century. |
| Statewide: German I<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | Students begin their introduction to German by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various German -speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). |
| Statewide: German II<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | Students continue their study of German by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various German-speaking countries, and take frequent assessments where their language progression can be monitored. By semester 2, the course is conducted almost entirely in German. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). |

# AVA Electives

# Agriculture and Natural Resources

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| Agriscience I<br>Grade:<br>Credit:<br>Length:<br>Prerequisites: | In Agriscience I: Introduction, you'll explore how agri scientists play key roles in improving agriculture, food production, and the conservation of natural resources along with the technologies used to keep the field thriving. Are you ready to explore the diverse careers in agriscience and how you can prepare to positively impact the planet? Let's get growing! |
| Forestry and Natural Resources<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, you?ll learn more about forest ecology, management, and conservation. You?ll explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, you will learn more about forestry related careers and important issues facing forestry professionals today. |
| Principles of Agriculture, Food, and Natural Resources<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Did you know that the world's population could be as high as 11 billion people by the year 2050? And certainly, as our population is growing, so too are our food needs. Even today, millions of people around the world experience hunger. How can we balance growing populations and keeping everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Through the study of Principles of Agriculture: Food and Natural Resources, you will gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You'll learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world. |
| Veterinary Science: The Care of Animals<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied. |

# Art

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| Adobe Illustrator<br>Grade:9,10,11,12<br>Credit:1.0<br>Length:Year<br>Prerequisites: | This course introduces students to the Adobe Illustrator and prepares students to take the ACA Certification Exam on Illustrator. Students will get an insight into what it is like working in the graphic design industry. Students will learn everything from absolute basics like navigating Illustrator to performing complex tasks like managing colors, drawing, creating illustrations, and much more. The course contains guided video tutorials, hands-on projects,and step-by-step resources that help students learn how to work in Illustrator.<br>Materials<br>Adobe Certification courses require students to have their own license to the applicable software program. Testing center fees for the Certification courses are paid separately and independently should the student choose to take the certification test at the end of the course. |
| Animation 1a: Introduction<br>Grade:9,10,11,12<br>Credit:1.0<br>Length:Year<br>Prerequisites: | Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story to life with animation! |
| Statewide: AP Art History<br>Grade:9,10,11,12<br>Credit:1.0<br>Length:Year<br>Prerequisites: | This course is designed to provide college-level instruction in art history and prepare students for the AP exam in early May. This course is divided into two 18-week segments, during which students examine major forms of artistic expression from the past and present and from a variety of cultures. Students learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Completing both segments of the course will successfully prepare you for the AP Exam. |
| Art Appreciation<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | What makes an artwork a masterpiece? Why do artists create art? What is the difference between Rococo and Art Nouveau? In this course, students will discover the answers to these questions and more. We examine the elements of art and principles of design, and explore how artists have used these elements and principles in the creation of art for centuries. |
| Art History:<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This Art History course integrates the four components of art study: art production, historical and cultural context, critical process and aesthetic process. Students will be able to identify and describe art from prehistoric times to modern time. Throughout this course, students will discuss various artworks, research artists, and create documents and presentations |

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| | demonstrating concepts learned. |
| Art History & Criticism<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | In this course students will understand the political, cultural, and religious changes throughout history that are depicted within art. This course is an opportunity for students to reflect on how art was and is used as a vehicle to communicate, depict political and religious propaganda, and serve as evidence of cultural shifts and changes. Students will be challenged to contemplate the connection between art and context through reflective writing assessments and Discussion-Based Assessments. Students will build upon knowledge throughout the course and understand how art reflects and communicated cultural change and evolution. Students will develop critical skills of analysis, synthesis, and evaluation in this course by analyzing historical documents, working in a thematic context, developing proficiency in note-taking, free-response writing, and solving problems. Students will demonstrate their skills through participation in extended collaborative projects. Art History & Criticism 1 Honors is an honors-only course. All assessments in this course are honors level and students will earn honors credit only. |
| Art in World Cultures<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | Who do you think is the greatest artist of all time? Maybe Leonardo da Vinci? Michelangelo? Maybe a more modern artist like Claude Monet or Pablo Picasso? Or is it possible that the greatest artist of all time is actually someone whose name has been lost to history? In Art in World Cultures, you'll learn about some of the greatest artists in the world while creating your own art, both on paper and digitally. This course explores basic principles and elements of art and teaches you how to critique different art works art. And along the way, you will get to discover some traditional art forms from various regions of the world including the Americas, Africa, and Oceania. |
| Digital Photography 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites: | Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer.<br>Materials<br>A digital camera that offers both automatic and manual control, Note: While a smartphone may be used to accomplish most assignments within the course, we highly recommend that students have access to a digital camera.<br>An image editing program (GIMP or something similar) |
| Digital Photography 1b: Creating Images with Impact<br>Grade:<br>Credit: .5<br>Length: Semester B | Building on the prior prerequisite course, further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring you photos to life. Using this knowledge, build a portfolio of your work to pursue a career |

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| Prerequisites: | in this field!<br>Materials<br>A digital camera that offers both automatic and manual control, A video recording device, Appropriate camera cables, A variety of media sources (CF, SD, or DVD formats), Photo/image editing software |
| Digital Photography II: Discovering Your Creative Potential<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | In today's world, photographs are all around us, including in advertisements, on websites, and hung on our walls as art. Many of the images that we see have been created by professional photographers. In this course, we will examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in, such as wedding photography and product photography. We will also learn more about some of the most respected professional photographers in history and we will learn how to critique photographs in order to better understand what creates an eye catching photograph.<br>Materials<br>Digital camera: 'point and shoot' or above (A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed, and aperture). One frame (of your choice) to display a photograph on the wall. 3M strip (or something similar). Image editing software capable of the following: cropping, changing a photo to black and white, adjusting color and brightness, resizing images, applying filters and special effects like texture or glitter, creating layers. |
| Basic Drawing<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | In Drawing, students will experiment with several different art materials and tools to see what each tool can do best. Students will explore ordinary things around them to become more observant of the structures and meanings of things which can be seen in their home and community. Your work will be your own study of the forms, textures, movements, and patterns of the things that you see everyday. |
| Advanced Drawing<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | In Advanced Drawing, students will be reviewing basic drawing skills and the elements and principles of design, while exploring deeper how they are used in art. Students will also explore, in-depth, several different types of media and artistic styles in order to define their personal aesthetic and design their own compositions. In each section, students will observe and analyze various artworks to expand their knowledge of art history and develop their personal aesthetic. |

# Business and Marketing

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| Statewide:Advertising & Sales Promotion<br>Grade:9,10,11,12<br>Credit:0.5<br>Length:Semester<br>Prerequisites:None | What comes to mind when you think of marketing? Perhaps a familiar television jingle plays in your head? Or maybe you think of those irritating sales phone calls? There is no denying the sheer magnitude and power of the marketing industry. Every year companies spend approximately $200 billion promoting their products and services and that is just in the United States alone! You may be familiar with being on the receiving end marketing, but what is it like on the other side? In Advertising and Sales Promotions, you will see how these marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. you will learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry. |
| Statewide:Business Communications 1a: Introduction<br>Grade:9,10,11,12<br>Credit:0.5<br>Length:Semester<br>Prerequisites:None | Upgrade your abilities in speaking, listening, writing, using and reading body language, and communicating in teams and groups. Discover how to plan, create, and deliver business presentations and communicate through graphics. In no time, you'll be communicating with confidence, stand out from your peers, and impress your employer. |
| Statewide:Business Communications 1b: Listen, Speak, and Write in the Workplace<br>Grade:9,10,11,12<br>Credit:0.5<br>Length:Semester<br>Prerequisites:Business Communications 1a: Introduction | In this course, you're going to take the basic writing skills you've developed and revise them so you can take new approaches to planning, building, and distributing documents for a business audience. You'll continue to explore the essentials of writing while drafting new understandings of business documents, and then you'll learn to apply your business communication skills to job applications, interviews, and presentations. No matter your career of choice, learning to effectively communicate will help your professionalism grow leaps and bounds. Let's get writing! |
| Statewide: Management 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites: | From the shift managers at small businesses to the CEOs of large companies, effective management is key to any organization's success. Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. |
| Statewide: Management 1b: Insight and Oversight<br>Grade:<br>Credit: .5 | Explore the ins and outs of this career, the responsibilities businesses have towards customers, and hiring the right employees. Gain an understanding of human resources (HR) to ensure job satisfaction and take action to ensure that all rules |

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| Length: Semester B<br>Prerequisites: Management 1a Introduction | and laws are being followed. Learn how to become an effective manager in any field. |
| Statewide: Entrepreneurship 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites: | Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. Explore topics such as identifying the best business structure, business functions and operations, finance, business laws, regulations, and more! If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true! |
| Statewide: Entrepreneurship 1b: Make Your Idea a Reality<br>Grade:<br>Credit: .5<br>Length: Semester B<br>Prerequisites: | You have the business idea; now it's time to go from dream to reality. Throughout this course, you'll explore different topics representing the major parts of a business plan, such as risk, hiring, pricing, marketing, and more. By completing activities, you'll create a viable document you can use to help you start your business by the end of the course. Let's bring your dream to life! |
| Statewide: Entrepreneurship & Small Business<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This course prepares students for the Entrepreneurship and Small Business Certification exam. This certification has been designed to test concepts around starting and managing a small business. These topics include entrepreneurship, evaluation of opportunities, preparation to start a business, operation of a business, marketing, and management of finances. Students gain insights and understand real-world applications that will not only allow them to succeed in passing the certification exam, but also in successfully starting, working in, or running a small business. |
| Statewide: International Business: Global Commerce in the 21st Century<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | From geography to culture, Global Business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected. The course further provides students a conceptual tool by which to understand how economic, social, cultural, political and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st century. |
| Statewide: Sports & | Have you ever wished to play sports professionally? Have you |

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| Entertainment Marketing<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | dreamed of one day becoming an agent for a celebrity entertainer? If you answered yes to either question, then believe it or not, you've been fantasizing about entering the exciting world of sports and entertainment marketing. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well -including a lot more glitz and glamour! In this course, you'll have the opportunity to explore basic marketing principles and delve deeper into the multi-billion dollar sports and entertainment marketing industry. You'll learn about how professional athletes, sports teams, and well known entertainers are marketed as commodities and how some of them become billionaires as a result. If you've ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, then this course will introduce you to the fundamentals of such a career. |
| Personal Financial Literacy and Economics<br>Grade:<br>Credit:<br>Length:<br>Prerequisites: Personal and Family Finance | Learning to make sound financial decisions is one of the most important lessons a student can learn. In this course, students will learn financial decision-making skills using real-life applications and data. The primary content for the course focuses on learning the ideas, concepts, knowledge, and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society. Personal Financial Literacy is a half-credit (0.5) elective and offers an option for students to receive honors credit. |
| Economics with Financial Literacy<br>Grade:<br>Credit:<br>Length:<br>Prerequisites: Algebra 2 | Economic decisions affect us every day of our lives. Understanding economics means thinking about how scarcity, or limited resources, requires us to make choices and evaluate one option against others. In this course, students will recognize examples of economics in your daily life. Students will see how the economic choices of larger groups, like businesses and governments, affect students and others. As students progress through the course, students will recognize that the costs and benefits of choices connect individuals and groups around the world. The purpose of this course is to help students become a smart consumer who understands the flow of an economy between individuals, businesses, governments, and the rest of the world. |
| Personal Financial Literacy | Learning to make sound financial decisions is one of the most important lessons a student can learn. In this course, students will learn financial decision-making skills using real-life applications and data. The primary content for the course focuses on learning the ideas, concepts, knowledge, and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and |

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| | knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society. Personal Financial Literacy is a half-credit (0.5) elective and offers an option for students to receive honors credit. |
| AP Macroeconomics<br>Grade:<br>Credit:<br>Length:<br>Prerequisites: | You have been called upon to assist the leader of the Macro Islands who is running for reelection next year. The economy is in shambles, and you need to come up with some feasible solutions. This will not only help the people of the Macro Islands but will also ensure a victory for your employer. You were hired over the Internet and received a first class ticket to the Macro Islands where you can learn first hand about the situation. You arrive at Pineapple Airport in the middle of the day and are met by a man with a briefcase who is holding a sign with your name on it. You approach the man and introduce yourself. "I'm Mr. Scarcity," he says. "I'll be your guide as you learn about the economic situation of the islands. You need to learn everything you can about both macroeconomics and our Macro Islands for your presentation to our island leader in May." |
| AP Microeconomics<br>Grade:<br>Credit:<br>Length:<br>Prerequisites: | In this course, students explore the power of marginal thinking and apply it to common decisions that individuals and business firms encounter each day. Students examine, interpret, analyze, and model key microeconomics concepts and processes, from the shifting supply and demand for familiar products to the model of the labor market and how wages are determined. This rich course provides students with all the material and practice needed for success on the AP Exam. |
| Workplace and Internship Readiness: Preparing for Work and Life<br>Grade:<br>Credit:<br>Length:<br>Prerequisites: | Discover how to build a well-rounded set of employability and personal leadership skills that allow you to guide your own career. Learn how to communicate with others, take initiative, set goals, problem-solve, research different career options, and envision your own personal career path. Get ready to create a powerful launching pad that will help you blast off into a great first job experience! |

# Computer Science

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| AP Computer Science A<br>Grade:9,10,11,12<br>Credit:1.0<br>Length: Year<br>Prerequisites: | The AP Computer Science A course is equivalent to the first semester of a college level computer science course. The course involves developing the skills to write programs or part of programs to correctly solve specific problems. AP Computer Science A also emphasizes the design issues that make programs understandable, adaptable, and when appropriate, reusable. At the same time, the development of useful computer |

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| | programs and classes is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, and the study of standard algorithms and typical applications. In addition an understanding of the basic hardware and software components of computer systems and the responsible use of these systems are integral parts of the course. |
| Coding 1a: Introduction to Programming<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | In Coding 1a: Introduction to Programming, you will explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. You will also discover how to create and build your own website using HTML and CSS and learn basic and complex commands and sequences as you become familiar with programming languages like JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security. |
| Coding 1b: Programming<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Are you passionate about technology? Do you love learning how things work and are excited about the idea of further exploring the world of computer science? If you thrived in Coding 1a: Introduction to Programming, now is your chance to build on that knowledge with Coding 1b: Programming. In this course, you will continue to cultivate an understanding of programming languages and expand on website development. You will learn the difference between web development and web application development as well as further explore Advanced Python, HTML, and JavaScript. You will also examine software engineering concepts, learn more about security, privacy, and ethics in technology, and explore the wide variety of careers in computing. |
| Computer Basics<br>Grade:9,10,11,12<br>Credit:0.5<br>Length:Semester<br>Prerequisites:None | In this course you will learn how to use productivity and collaboration tools, such as G Suite by Google Cloud to create word processing documents, spreadsheets, surveys and forms such as personal budgets and invitations. |
| History of Gaming and Esports<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | In this course, students will learn about the technologies and design principles that have been the foundation of video game technology over the last 50 years. Students will examine and discuss the impact of video games on culture and the economy. Students will learn about the current gaming and esports landscape, including strategies and techniques of top teams and individuals. This course will also discuss the risks and dangers of video games and understand how to set appropriate time and content parameters. Finally, the course will identify career paths and opportunities for those who are passionate about gaming. |
| Foundations of Game Design | Does your love of video games motivate you to pursue a career |

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| 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites: | in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game! |
| Foundations of Game Design 1b: Storytelling, Mechanics, and Production<br>Grade:<br>Credit: .5<br>Length: Semester B<br>Prerequisites: | Building on the prior prerequisite course, use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design. Content of this course also applies to certification exams.<br>Materials<br>Required Materials: Internet Connection, Word processing software, Slideshow presentation software, Webcam, Video Recording device, Color Printer. Downloadable Software: Unity 2017.4, latest LTS version GIMP 2.10.10, Blender 2.8, 4 GB RAM, Audacity 2.3.2, Openshot 2.4.4, Browser-based Software: REPL.it, A vector editor of the student's choice, Google Drive, SFMaker. See further detail in course for OS, GPU, and CPU specifications. |
| Foundations of Programming<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | Do you want to learn the skills required to be competitive in today's high tech workforce? Foundations of Programming (FoP) will teach students the fundamentals of programming using the computer language Python. The course provides students with the concepts, techniques, and processes associated with computer programming and software development. Students will also explore the many programming career opportunities available in this high-demand field. This course is part of a program of study that provides coherent and rigorous content needed for progression in the Information Technology career cluster. |
| Intro to Java Programming<br>Grade:1, 11<br>Credit:<br>Length:<br>Prerequisites: Foundations of Programming | Java is one of the most widely used computer languages in the world. This course will teach students Java by having them complete multiple projects, both in the console and user interface, including: mad libs, player vs computer games, battleship, tic tac toe, picture shuffler and many more. This course is meant to give students lots of experience in Java by creating multiple stand alone programs. This course assumes no coding experience with Java programming and includes self graded quizzes and tests. |
| Intro to Programming<br>Grade:<br>Credit:<br>Length:<br>Prerequisites: | Java is one of the most widely used computer languages in the world. This course will teach students Java by having them complete multiple projects, both in the console and user interface, including: mad libs, player vs computer games, battleship, tic tac toe, picture shuffler and many more. This course is meant to give students lots of experience in Java by |

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| | creating multiple stand alone programs. This course assumes no coding experience with Java programming and includes self graded quizzes and tests. |
| Cybersecurity 1a: Foundations<br>Grade: 9,10,11,12:<br>Credit:0.5<br>Length:Semester A<br>Prerequisites: | We depend more and more on the technologies we interact with every day, and we put more and more of our personal data out there online. Can all of that data really be kept 'secret'? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. You'll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You'll also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity. |
| Cybersecurity 1b Defense Against Threats<br>Grade:<br>Credit: .5<br>Length: Semester B<br>Prerequisites: | Ever wonder what it's like to be a hacker? Or think about who is trying to steal your passwords while you're shopping online using the free Wi-Fi at your local coffee shop? Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyber attacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity careers. In a world where such threats have no boundaries, cybersecurity will undoubtedly play an increasingly larger role in our personal and professional lives in the years to come. |
| Learning in a Digital World<br>Grade:<br>Credit:<br>Length:<br>Prerequisites: | The digital world seems to change every day, and touch more of our lives. We use technology to communicate with friends and family, find neverending entertainment options, follow our favorite sports teams and fashion trends, and do our school work. In Learning in a Digital World you will get the tools to navigate this exciting and always changing world. Learn about real-world issues and how to solve real-world problems through interactive and hands-on assignments. Discover what it means to be a responsible digital citizen, expand your digital literacy, and become a successful online student. Consider the best ways to find, create, and share information, learn to maximize information and communication technologies, and explore digital content creation, from emails and blogs to social media, videos, and podcasts. |
| Digital InformationTechnology<br>Grade:<br>Credit: 1.0<br>Length: Year<br>Prerequisites: | Dive into an exciting course that will provide you with the foundational skills needed for exciting careers like game development, military defense, web design, and software engineering! You will explore Microsoft Office online applications, web design, emerging technologies, operating systems, project management, communication methods, Information Technology careers, and much more in this course. Learn about your |

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| | strengths and how they relate to different career paths. |
| Digital Media Fundamentals 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites: | Discover your talent for building digital media applications using text, graphics, animations, sounds, videos, and more! Learn about the elements that make impressive media, such as typography, color theory, design, and manipulation. Explore careers to apply your digital media skills and find your place in this fast-paced and exciting fielFd! |
| Digital Media Fundamentals 1b: Producing for the Web<br>Grade:<br>Credit: .5<br>Length: Semester B<br>Prerequisites: | Building on the prior prerequisite course, polish your digital media skills and learn all about web design. Incorporate your ideas into websites and dabble in the basics of marketing to understand how your work is used. Finally, explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career! |
| Social Media: Our Connected World<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Instagram, Pinterest, and more and how to use them for your benefit personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways. |

# Family and Consumer Science

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| Introduction to Teaching Profession S1<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Teaching is about inspiring and empowering students to realize their potential. If this sounds like something you'd like to do, this course is for you. We've designed this course to explore what it takes to be a teacher, not just in the classroom, but in many fields—education, healthcare or even corporate. You'll learn about the history, purposes, issues, ethics, laws and regulations, roles and qualifications of teaching. As you work through the course, you'll participate in a minimum of 20 hours of guided observations and field experience in different settings. This will help you identify what teaching career path interests and suits you best, as well as effective learning environments. You'll also build a working portfolio throughout your program, as you learn about leadership and skills opportunities offered in participated in CTSO activities. |
| Introduction to Teaching Profession S2<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Teaching is about inspiring and empowering students to realize their potential. If this sounds like something you'd like to do, this course is for you. We've designed this course to explore what it takes to be a teacher, not just in the classroom, but in many fields—education, healthcare or even corporate. You'll learn about the history, purposes, issues, ethics, laws and regulations, roles and qualifications of teaching. As you work through the course, you'll participate in a minimum of 20 hours of guided observations and field experience in different settings. This will |

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| | help you identify what teaching career path interests and suits you best, as well as effective learning environments. You'll also build a working portfolio throughout your program, as you learn about leadership and skills opportunities offered in participated in CTSO activities. |
| Career Planning<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites:<br><br>Formerly called College and Career Readiness | The Career Planning course guides students through the essential elements of the career planning process and the development of a defined career plan. Students will consider the many factors that impact career success and satisfaction. Using a process of investigation, research, and self-discovery, students will acquire the understandings critical to the career planning process. Upon completion of the course, students will have created a practical and comprehensive college or career transition portfolio that reflects their skills and abilities, as well as their interests, values, and goals. |
| Child Development: 1a: Journey Through Childhood<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | If you're considering a career in education, medicine, or psychology, or areas that involve toddlers to teens, you'll need to know how they grow and develop. In this course, you will learn about the ages from womb through adolescence and the teen years. You'll explore essential topics like nature vs. nurture, developmental theories and stages, nutrition, safety precautions, family planning, and more! Let's get started learning! |
| Child Development: 1b: Working With Children<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | You have learned the basics of child development, and now it's time to dig deeper into the psyche and behaviors of children. In this course, you will learn about setting boundaries, creating rules, and enforcing consequences when working with children. You will explore helping kids and teens manage stress, provide support for children with disabilities and enrichment for gifted children, how to perform first aid, and more. You will also set goals for your future career working with children and adolescents. Let's continue beyond the basics and expand into the world of child development. |
| Early Childhood Education 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites: | Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider! |
| Early Childhood Education 1b: Developing Early Learners<br>Grade:<br>Credit: .5<br>Length: Semester B<br>Prerequisites:Early Childhood 1a | Building on the previous prerequisite course, discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special need. Use this knowledge to develop your professional skills well suited to a career in childcare! |

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| Human and Social Services 1: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. In Human and Social Services 1, you will explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you. |
| Family Living<br>Grade: 9,10,11,12<br>Credit: 0.5<br>Length:Semester A/B<br>Prerequisites: None | In this course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life-- including information on self discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development from infancy to adulthood. They also focus on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits. |
| Real World Parenting<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | What is the best way to care for children and teach them self-confidence and a sense of responsibility? Parenting involves more than having a child and providing food and shelter. Learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent/child relationships are some of the topics covered in this course. |
| Peer Counseling<br>Grade: 9, 10, 11, 12<br>Credit: 0.5<br>Length: Semester A<br>Prerequisites: None | Are you the person that people come to for advice? Does it seem that your friends always talk to you about their problems? If so, Peer Counseling may be the perfect course for you. It offers ways for you to explore this valuable skill and better understand how it can make a difference in the lives of others. Helping people achieve their personal goals is one of life's most rewarding experiences, and Peer Counseling will show you the way to provide support, encouragement, and resource information. Learn how to observe others as a Peer Counselor as you carefully listen and offer constructive, empathic communication while enhancing your own communication skills. |
| Cosmetology: Cutting Edge Style<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites: | Students will explore career options in the field of cosmetology. Research into some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology-related businesses will also be presented. |

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| Cosmetology 2: The Business of Skin & Nail Care<br>Grade:<br>Credit: .5<br>Length: Semester: B<br>Prerequisites:Successful completion of Cosmetology 1 | Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In Cosmetology 2: The Business of Skin and Nail Care, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology.<br>***[This class requires you to perform hands-on cosmetology on a friend/family member in order to complete the course.]*** |
| Cosmetology 3a Introduction to Hair Skills<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites:Successful completion of Cosmetology 2 | Develop your skills in the rewarding field of cosmetology! You will be exposed to the complexities of this field by learning to perform a hair, scalp, and skin analysis. You will also learn about hair types, face shapes, and color theory. Finally, color techniques are covered with an emphasis on salon and chemical safety, effectively preparing you for a career in cosmetology! |
| Cosmetology 3b: Waving, Coloring, and Advancing Hair Skills<br>Grade:<br>Credit: .5<br>Length: Semester B<br>Prerequisites:Successful completion of Cosmetology 3a | Building on the prior prerequisite course, you will dive into the realm of hair styling and cutting techniques. You will explore varieties of wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Manual curling and the use of chemicals to curl and straighten hair are highlighted in this course as well as safety when working with chemicals. You can expect to be well versed with a plethora of hair skills upon completion |
| Culinary Arts 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites: | This introductory course will provide you with basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts. |
| Culinary Arts 1b: Finding Your Palate<br>Grade:<br>Credit: .5<br>Length: Semester B<br>Prerequisites: Culinary Arts 1a | Building on the prior prerequisite course, discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. The last unit in this course explores careers in the culinary arts for ways to channel your newfound passion! |

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| Culinary Arts 2 Baking, Pastry, and More!<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites:Culinary Arts 1b | Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2 will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure!<br>*Several Materials Required |
| Hospitality and Tourism1: Traveling the Globe<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Where is your dream travel destination? Now imagine working there! You'll be introduced to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around leisure and travel, spotting trends, and planning events are just a few of the key aspects you will explore within this exciting field. |
| Hospitality and Tourism 2a: Hotel and Restaurant Management<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites:Hospitality 1 | If you love working with people, a future in hospitality may be for you. In Part A of Hospitality and Tourism 2: Hotel and Restaurant Management, you will learn about what makes the hotel and restaurant industries unique. Learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Evaluate the environment for these businesses by examining their customers and their competition. As well, you will discover trends and technological advances that makes each industry exciting and innovative. In Part A, you can explore a variety of interesting job options from Front Desk and Concierge services to Maitre d' and food service. |
| Hospitality and Tourism 2b: Hotel and Restaurant Management<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Prepare yourself for a high energy career in hotel and restaurant management. Building upon the prior prerequisite course, learn about different management styles and how to develop job descriptions and business plans. Important topics, such as the laws and regulations that govern hotels and restaurants will also be covered. Preparing menus, advertising vacancies, performing interviews, and how to be financially conscious will all be discussed, making this course a comprehensive tool for those planning on entering the hotel and restaurant management industry. |
| Introduction to Hospitality and Tourism S1<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | How would you like to be a part of the world’s largest industry, with the potential to make a lot of money and take advantage of perks like flight upgrades, free hotel rooms, and free food? Welcome to the “industry of fun,” Hospitality and Tourism. This course is the first in a series to dive into the numerous career avenues and business opportunities of the hospitality and tourism industry. You will learn about segments such as airlines, |

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| | hotels, and cruise ships, as well as customer service and selling techniques. The course will prepare you to launch your career in hospitality and tourism, with projects and take-aways that you will be able to use immediately to help you land your dream job. |
| Introduction to Hospitality and Tourism S2<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | How would you like to be a part of the world's largest industry, with the potential to make a lot of money and take advantage of perks like flight upgrades, free hotel rooms, and free food? Welcome to the "industry of fun," Hospitality and Tourism. This course is the first in a series to dive into the numerous career avenues and business opportunities of the hospitality and tourism industry. You will learn about segments such as airlines, hotels, and cruise ships, as well as customer service and selling techniques. The course will prepare you to launch your career in hospitality and tourism, with projects and take-aways that you will be able to use immediately to help you land your dream job. |
| Restaurant Management<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Have you ever dreamed of running your own eatery? Maybe you've thought of collaborating with a famous chef to create an unforgettable dining experience? What goes on behind the restaurant dining room is a very different world than what goes on out front and really determines the success or failure of an establishment. Restaurant Management will show you exactly what's needed to run a successful restaurant, including ordering supplies, hiring quality workers, maintaining inventory, and managing a large staff. Understanding such concepts as food safety, hygiene, customer relations, marketing, and using a point-of-sale system are crucial to being an effective restaurateur. Whether you are hoping to operate a casual sit-down eatery, oversee a fine dining establishment, or buy a food franchise, this course is the perfect first step. |
| Dental Assistant 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A<br>Prerequisites: | Are you a compassionate person who genuinely cares about helping others be healthy? Learn how becoming a Dental Assistant can offer you a rewarding career as well as job security. Start with learning the different roles within a dentist's office, organizations to get involved with, and basic head, neck, and dental anatomy. Learn what it takes to embark on a career sure to provide personal and professional fulfillment. |
| Dental Assistant 1b: Principles of Clinical Dentistry<br>Grade:<br>Credit: .5<br>Length: Semester B<br>Prerequisites:Dental Assistant 1a | In Dental Assistant 1b: Principles of Clinical Dentistry, you'll learn about the daily duties of a dental assistant including the structure of an office visit, managing patient records, and administrative aspects of the role. You'll also explore how patient health can impact oral health, how to prepare for and perform a patient visit, and how to succeed in a team environment. Let's continue polishing those skills to become a dental assistant today! |
| Statewide: Emergency Medical Responder 1a: | Get a realistic look into the day-to-day, fast-paced life of an EMR and how their roles and responsibilities fit into the larger picture |

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| Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | with Emergency Medical Services. Discover how to conduct a patient assessment when you arrive on a scene and assess and treat various medical emergencies. If you've ever dreamt of being on the front lines, providing quality care to save someone's life, then explore the exciting career as an Emergency Medical Responder. |
| Statewide: Emergency Medical Responder 1b: Prepared for Action<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: EMT 1a | Explore how to care for diverse patients and in unique and even difficult situations. From advanced trauma to childbirth, from mass casualties to special conditions. EMRs are trained to care for, treat, move, and transport patients in various situations and play a vital role as part of an EMS response team. |
| Medical Diagnostic Technology 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Have you ever wondered how a health professional knows how to diagnose an illness? Or what medications to prescribe to a patient depending on the person's body and their signs and symptoms? Learn about different diagnostic technology used and essential body systems and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness. This career field is flourishing, and now is the time to be part of it! |
| Medical Diagnostic Technology 1b: Exploring Systems & Procedures<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Our bodies are complex, and when we start feeling ill, a doctor or specialist must analyze and diagnose what could be wrong. Learn about different diagnostic technology, procedures, essential body systems, and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness. This career field is flourishing, and now is the time to be part of it! |
| Medical Terminology 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Adding on the prior prerequisite course, discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms! |
| Medical Terminology 1b: Discovering Word Foundations<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites:Medical Terminology 1a | Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences. |

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| Pharmacology 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Pharmacology is the fascinating study of the chemistry, origins, and types of medications. Whether you plan on going into medicine, nursing, dentistry, veterinary medicine, or pharmacy, you'll need to learn the effects of medicines on different biological systems, appropriate dosages, and how the body responds to different medications |
| Health Careers<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | In Health Careers I, students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs' entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths. |
| Health Science I: The Whole Individual<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and the measles identified and diagnosed? Health sciences provide the answers to questions such as these. In this course, students will be introduced to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. They will explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas. |
| Health Science II: Patient Care & Medical Services<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisite:Health Science1 | Challenging. Variable. Rewarding. These three words can be used to describe many careers in the health sciences. In this course, you will learn more about what it takes to be a successful health science professional, including how to communicate with patients. Explore the rights and responsibilities of both patients and health science professionals in patient care and learn more about how to promote wellness among patients and health care staffs. Finally, you'll learn more about safety in health science settings and the challenges and procedures of emergency care, infection control, and blood-borne pathogens. |
| Interior Design<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | You'll learn about color, texture, trends and styles over time, how homes are built, and 'green' options for homes and businesses. Most importantly, you'll learn how to work with a client to meet their unique needs and style requirements. This course will help you to identify parts of interior design that are most interesting to you, helping you to chart the path for your future. |
| Fashion Design<br>Grade: 9,10,11,12<br>Credit: 0.5<br>Length:Semester A/B | Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. |

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| Prerequisites: None | |

# Health

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| Drugs & Alcohol<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This course delves into the types and effects of drugs, including alcohol, tobacco, steroids, over the counter drugs, marijuana, barbiturates, stimulants, narcotics, and hallucinogens. Students learn about the physiological and psychological effects of drugs, as well as the rules, laws, and regulations surrounding them. The difference between appropriate and inappropriate drug use will also be discussed. In addition, students will learn about coping strategies, healthy behaviors, and refusal skills to help them avoid and prevent substance abuse, as well as available resources where they can seek help. |
| First Aid & Safety<br>Grade: 9,10,11,12<br>Credit: 0.5<br>Length:Semester A/B<br>Prerequisites: None | In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness. |
| Health & Personal Wellness<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This comprehensive health course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health. |
| Life Management Skills<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Students will need to obtain CPR certification as part of the requirements of this course. Each day hundreds of decisions are made, including important decisions that have a huge impact on personal life. Making good decisions is a whole lot easier for those who have the correct information before making those decisions. Being equipped with correct information will empower students to manage real issues, like quality nutrition, substance abuse, coping with stress, and sexual abstinence. Good health is both mental and physical. Making good decisions starts with knowing the facts, understanding the consequences, and having the confidence to choose well. A series of signposts take students through the course, providing information, direction, and a little encouragement. Students learn to use important tools for communicating feelings and opinions. Other tools provide a |

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| | foundation for becoming a savvy consumer in a world of advertising, credit cards, and focusing on earth-friendly practices that will help the environment. This course comes with a long-term payoff. Learning to make good decisions now will set a positive direction to follow for the future. |
| Life Skills: Navigating Adulthood<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This course will encourage you to learn more about yourself and help you to prepare for the future. You will explore goal setting, decision making, and surviving college and career. You will also discover how to become a valuable contributing member of society. Now is the time to take action. It's your life, make it count! |
| Nutrition and Wellness<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | In this course, you'll explore how food affects essential aspects of your life from your weight to how you age to how well you think. You'll also examine how outside influences- family, peers, and the media- can affect your diet and your perception of food and how to set yourself up for nutritional success. Are you interested in a career in holistic wellness? Start your health journey now with Nutrition and Wellness. |
| Sports Medicine 1a: Introduction<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Sports medicine encompasses a much larger range of career options than jobs typically associated with this field. Explore some of the most popular career pathways, day-to-day responsibilities, emergency care for athletes, and legal obligations. Discover what nutrition, healthy lifestyle, and fitness truly mean, and dive into anatomy, human biomechanics, and exercise modalities. |
| Sports Medicine 1b: Injury Prevention<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: Sports Medicine 1a | In Sports Medicine 1b: Injury Prevention, you'll expand your understanding of the human body to provide a greater context for injury in a variety of scenarios. You'll learn how to evaluate an injury, onsite tests to perform, and when to refer a patient to a medical professional. You'll also explore the anatomy of specific body areas to better understand injuries that may occur as well as ways to prevent injury. Are you ready to keep athletes functioning at peak levels? Grab your sports tape and let's hit the field of sports medicine! |
| Sports Medicine 2a: Working with Clients<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: Sports Medicine 1a & 1b | You've learned the basics about how the body works and how to attend to athletes' injuries, but now, it's time to get personal! Time to personalize and plan for clients, that is! In this course, you will learn to develop dietary and exercise regimes for clients based on their needs and goals. You'll even have an opportunity to turn plans into action by designing workouts for your own example gym. Let's hit the ground running and continue building towards a career as a trainer! |
| Sports Medicine 2b: Personalizing Your Practice | Five, four, three, two, one-rest.' You've learned what it looks like to work one-on-one with clients as a sports medicine professional, and now it's time to focus on the group. In this |

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| Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: Sports Medicine 2a | course, you will be introduced to teaching group exercise classes and providing rehabilitation services to clients facing injury and disease. You will also learn about laws that govern the work of sports medicine professionals, business concerns like insurance and staffing, and what you need to consider if you start your own fitness facility. It looks like it's time for the next set! Let's get started. |

# Physical Education

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| Exercise Science<br>Grade: 10, 11, 12<br>Credit: 0.5<br>Length:Semester A/B<br>Prerequisites: None | This course takes an in-depth examination of the effects of exercise on the body. Through this course, students will learn basic anatomy, biomechanics, and physiology, as well as proper principles and techniques to designing an effective exercise program. The study of nutrition and human behavior will also be integrated into the course to enhance the students' comprehension of this multifaceted subject. |
| Individual and Team Sports<br>Grade: 9, 10, 11, 12<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | To improve and maintain optimum health, it is necessary for people of all ages to participate in physical exercise. There is little doubt that, in addition to students in schools, the number of adults participating in sports and recreational activities in the United States has increased in recent years. Physical education is much more than just fitness and exercise. A well-planned program will cause you to think and express your emotions about different situations. In addition, a good program can make a valuable contribution to your education. These experiences will help you develop a sense of wellness. Emphasis in this course is placed on the value of these sports as possible lifetime activities and on creating a clear explanation of the rules and basic principles of a variety of sports. The sports covered in this course are archery, bicycling, golf, skiing, tennis, volleyball, baseball, basketball, football, hockey, and soccer. Information about the playing area and equipment, basic rules, safety considerations, and terminology for each sport are included in the discussions. For the most part, the information presented in each lesson applies to sports programs throughout most sections of the United States. |
| Intro to Coaching<br>Grade: 9, 10, 11, 12<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This course focuses on the various responsibilities of a coach and the skills needed to successfully fill this important position. Throughout the course, students will explore various coaching models and leadership styles, sports nutrition and sports psychology, as well as safety, conditioning, and cross-training. Students will learn effective communication, problem-solving, and decision making skills. The course will also introduce students to game strategy, tactical strategy, skills-based training, and coaching ethics. |

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| Personal Health & Fitness<br>Grade: 9, 10, 11, 12<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This comprehensive health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health. This course is also designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility. |
| Personal Fitness<br>Grade:Grade: 9<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | Get an in-depth understanding of what real fitness requires and how you can best increase your strength, endurance, and flexibility. Explore the world of healthy living, and see how real fitness can be achieved through intention, effort, and knowledge. |
| Personal Training Career Prep<br>Grade: 9, 10, 11, 12<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This course examines the role and responsibilities of a personal trainer. Students will learn the steps to become a personal trainer, including performing fitness assessments, designing safe and effective workouts, and proper nutrition principles. Concepts of communication and motivation will be discussed, as well as exercise modifications and adaptations for special populations. Students will also examine certification requirements, business and marketing procedures, and concerns about liability and ethics. In addition, throughout the course students will be able to explore various exercises, equipment, and tools that can be used for successful personal training. This course is recommended for grades 10-12. “Concepts in Fitness” is a recommended pre-requisite to this course. |
| Running<br>Grade: 9, 10, 11, 12<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This course is appropriate for beginning, intermediate, and advanced runners and offers a variety of training schedules for each. In addition to reviewing the fundamental principles of fitness, students learn about goals and motivation, levels of training, running mechanics, safety and injury prevention, appropriate attire, running in the elements, good nutrition and hydration, and effective cross-training. While this course focuses mainly on running for fun and fitness, it also briefly explores the realm of competitive racing. Students conduct fitness |

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| | assessments and participate in weekly physical activity. |
| Sports Officiating<br>Grade: 9, 10, 11, 12<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | In this course, students will learn the rules, game play, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, football, and tennis. In addition, they will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play. |
| Strength Training<br>Grade: 9, 10, 11, 12<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This one-semester course by Carone Fitness focuses on the fitness components of muscular strength and endurance. Throughout this course students establish their fitness level, set goals, and design their own resistance training program. They study muscular anatomy and learn specific exercises to strengthen each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles and other fundamental exercise principles, such as progression and overload, to strength training. |
| Walking Fitness<br>Grade:11, 12<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This course helps students establish a regular walking program for health and fitness. Walking is appropriate for students of all fitness levels and is a great way to maintain a moderately active lifestyle. In addition to reviewing fundamental principles of fitness, students learn about goals and motivation, levels of training, walking mechanics, safety and injury prevention, appropriate attire, walking in the elements, good nutrition and hydration, and effective cross-training. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving walking, as well as elements of resistance training and flexibility. |

# Technology and Engineering Education

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| Construction: Fundamentals and Careers<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This course introduces students to the evolving industry of construction! In addition to building on standard concepts such as technical skills, project planning, and regulations, students will learn about the variety of career possibilities within construction. They will also explore the entrepreneurial side of construction and discover what it takes to start and run your own business in this field. Finally, the course will look towards the future and analyze trends in green materials, energy efficiency, and technology to determine how these will impact the homes we build and live in. |
| Aeronautics & Space Travel<br>Grade:9,10,11,12<br>Credit:0.5<br>Length:Semester<br>Prerequisites:None | This course introduces students to the history and near future of space travel. Students will explore the possibilities of moon bases, Mars colonies, and visiting the outer planets in our solar system and their moons. Students will also discuss important ethical and legal issues around space exploration, such as asteroid mining |

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| | and war in space. The course gives an expansive view of the technologies, science, and theories that will make far-fetched dreams into realities during the student's lifetime. |
| Applied Engineering 1A and 1B<br>Grade:<br>Credit:<br>Length:Year<br>Prerequisites: | Discover how technology has changed the world around us by pursuing technological solutions to everyday problems. While using scientific and engineering methods, learn how electricity, electronic systems, magnets, and circuits work. Understand the design process and bring your ideas to life. Explore how engineering advances your ideas and the world! |
| Concepts of Engineering and Technology<br>Grade:10.11.12<br>Credit:0.5<br>Length:Semester<br>Prerequisites: Applied Engineering | What if you could do the impossible? Engineers understand a lot of things, but the word impossible definitely isn't one of them. Through Concepts of Engineering and Technology, you'll learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to discuss where the boundaries of science lie (or even if there should be boundaries). By examining astounding engineering feats and complex ongoing issues, you, too, will begin to question whether the word impossible really exists. |
| Manufacturing:Product Design and Innovation<br>Grade:<br>Credit:<br>Length:<br>Prerequisites: | Think about the last time you visited your favorite store. Have you ever wondered how the products you buy make it to the store shelves? Whether it is video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In this course, you?ll learn about the types of manufacturing systems and processes used to create the products we buy every day. You will also be introduced to the various career opportunities in the manufacturing industry including those for engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process for a new product or invention! If you thought manufacturing was little more than mundane assembly lines, this course will show you just how exciting and fruitful the industry can be |
| Transportation Technologies<br>Grade:<br>Credit: .5<br>Length: Semester A/B<br>Prerequisites: | This course introduces students to the newest and most cutting edge futuristic transportation technologies out there. Students gain familiarity with the history of transportation development and understand a framework with which to evaluate new transportation modes. Then the course dives into 10 different technologies on the horizon. Students examine the technologies, the pros and cons of each mode, and explore potential career paths in these emerging fields. |

# AVA Interdisciplinary Studies

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| Critical Thinking & Study Skills (Freshman Seminar)<br>Grade: 9<br>Credit: 0.5<br>Length: Semester B<br>Prerequisites: None | Critical Thinking and Study Skills teaches students how to get better grades and higher test scores, and increase their success in high school. Students who already perform well in school will learn new study skills and testing skills that will help them get even better. Students who struggle in school will learn about Success Mindsets, study skills, and testing skills to help them perform at new levels. This course teaches the ACE test-taking method to increase scores on key tests such as the ACT, SAT, and tests for graduation. |
| Leadership Skills Development IA<br>Grade: 10<br>Credit: 0.5<br>Length: Semester A<br>Prerequisites: None | In this course, students will acquire new power to succeed in high school, college, and life. Students will learn how to take action by pressing their Turbo Button, manage their time by staying in the Lasting Zone, chart their goals by creating a North Star, and many other proven leadership techniques developed by Mawi Learning, a leadership training organization that has worked with more than one million students. Whether students are struggling or already at the top of their game, Leadership Skills Development will give them new power to create the life of their dreams. |
| ACT Prep<br>Grade: 11<br>Credit: 0.5<br>Length: Semester A<br>Prerequisites: 11th Grade | The ACT Exam with Writing Test is required for all Wisconsin students during their Junior Year of High School. This course explores each students' post-high-school plans and goals and how their score on the ACT can help them to achieve those goals. In addition to exploring career options and planning, it gives a thorough review of each section of the ACT exam. The primary objective is to demystify the ACT exam and to ensure that each student can go into the test with maximum preparedness and minimal anxiety. |
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| Leadership Skills Development IB<br>Grade: 11<br>Credit:0.5<br>Length: Semester B<br>Prerequisites: 11th Grade | In this course, students will acquire new power to succeed in high school, college, and life. Students will learn how to take action by pressing their Turbo Button, manage their time by staying in the Lasting Zone, chart their goals by creating a North Star, and many other proven leadership techniques developed by Mawi Learning, a leadership training organization that has worked with more than one million students. Whether students are struggling or already at the top of their game, Leadership Skills Development will give them new power to create the life of their dreams. |

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| Leadership Skills Development II<br>Grade: 12<br>Credit: 0.5<br>Length: Semester A<br>Prerequisites: 12th Grade | Increase your confidence and build your social skills as you learn how to overcome many of the toughest challenges teens face. Discover how your 'super-charged' teen brain really works, so you can make better decisions, have more fun, and achieve more. Learn how to conquer peer pressure, social anxiety, and the unnecessary risks that can derail your future. By the end of your training, you will have new power to direct your own life and lead your classmates. Throughout the course, you will be coached by Mawi Asgedom, a Harvard graduate and student success expert who has written eight books and trained over 1,000,000 students. |
| Junior Seminar<br>Grade: 11<br>Credit: 0.5<br>Length: Semester B<br>Prerequisites: 11th Grade | Junior Seminar is a required course for all 12th grade students. Study skills, self-advocacy and college and career readiness will be areas of focus, as well as other skills that are necessary to be successful in the high school setting. In addition, students in Junior Seminar will use Xello, a program that will help students develop a four-year educational plan for high school that aligns with their post-secondary goals. |
| Senior Seminar<br>Grade: 12<br>Credit: 0.5<br>Length: Semester A<br>Prerequisites: 12th Grade | Senior Seminar is a required course for all 12th grade students. Study skills, self-advocacy and college and career readiness will be areas of focus, as well as other skills that are necessary to be successful in the high school setting. In addition, students in Senior Seminar will use Xello, a program that will help students develop a four-year educational plan for high school that aligns with their post-secondary goals. |

# Work-Based Learning Experience

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| Youth Apprenticeship | The Wisconsin Youth Apprenticeship (YA) program is a |

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| Grade: 11-12<br>Credit: 1.0<br>Length: Year Long<br>Prerequisite: None | state-wide initiative for high school juniors and seniors that integrate school-based and work-based learning to instruct students in employability and occupational skills. In this program, students are enrolled in academic classes to fulfill high school graduation requirements in addition to 2-4 semesters of technical courses, which can be offered at the local high school, work site, or Blackhawk Technical College. The last component of the YA program is a paid, work experience in the student's chosen industry under the guidance of a skilled mentor.<br><br>A Certificate of Proficiency in the specific program area will be earned if the identified business/industry competencies are completed to the proficiency level identified by the Governor's Work-based Learning Board (GWBLB). Youth Apprenticeship programs available in Janesville are:<br>● Agriculture Food and Natural Resources<br>● Architectural Drafting and Design<br>● Arts, A/V Technology and Communication<br>● Health Science<br>● Hospitality, Lodging and Tourism<br>● Information Technology<br>● Marketing<br>● Science, Technology, Engineering and Math<br>● Transportation, Distribution and Logistics |