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### Requirements for High School Graduation: 22 credits

Class of 2013 & beyond	
Credits	Requirements
4	English
3	Math
2	Science
½	Elective Social Studies
1	United States History
½	Government
½	Consumer Ed/Resource Mgt.
½	Health
½	Driver Ed or another ½ Credit of PE
3	Physical Education **
1	Business, Technology & The Arts or WACC or Foreign Language
5 ½	Electives

\* A passing grade In Government requires passing the Constitution Test.

\*\* Unless doctor's statement of disability or approved exemption form is filed.

**Note:** College preparation requires 4 years of English, 3 years of Math (through Algebra 2), 3 years of Science, 3 years of Social Studies, 2 years of either Foreign Language, Fine Arts or Vocational.

### GRADING SYSTEM (Based on a 4-point scale)

	Point Value	Weighted Point Value
A = Superior	4	5
B = Above Average	3	4
C = Average	2	3
D = Below Average	1	1
F = Failing	0	0
WP = Withdrawal Passing	0	0
WF = Withdrawal Failing		
P = Pass		
I = Incomplete		

## BUSINESS, TECHNOLOGY, AND THE ARTS

### **Title: 2D INDEPENDENT STUDY (Tech Zone)**

**Grade Level:** 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Type of Course:** Elective      **Prerequisite:** Instructor's permission

**Content:** Two-Dimensional Independent Study is offered to highly motivated students who have had experience in a variety of classes in either fine arts or design in the Tech Zone. It is intended to offer additional experiences to students that have taken the curriculum and need additional classes or to provide flexible scheduling to students with full schedules. A signed permission form from the instructor indicating with whom the class is being taken and the area of study the student is pursuing is required to ensure the student is placed in the proper class and with the proper teacher.

Permission slips may be obtained from the instructor.

**Cost:** \$20.00 lab fee

**Activities:** Individualized, depending on student projects.

**Out of Class Time Required:** Varies with project.

**Evaluation:** Teacher-student discussions, self-evaluation, growth, one-person show upon completion of several projects.

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### **Title: 2D INDEPENDENT STUDY (Drawing/Painting)**

**Prerequisite:** Drawing AND Painting as well as one other Art Course (3D Studio, Tech Zone, etc.) AND Instructor Permission (Permission slips available from Instructor)

**Grade Level:** 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Content:** This course is designed for students who have successfully completed a minimum of 2 semesters of 2D Art and are interested in developing a deeper understanding and use of art media and technique. 2D Advanced Studio is offered only to highly motivated students who have had a variety of successful experiences in 2D Art in addition to at least one 3D or Tech Zone course. It is intended to offer and portfolio development to students who have the intention of pursuing Visual Arts beyond High School or in preparation for AP.

**Activities:** Individualized.

**Evaluation:** Individualized.

\*\*\*\*\*

### **Title: 3D STUDIO 1 ( Ceramics)**

**Grade Level:** 9, 10, 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Content:** An introductory course in three dimensional art focusing mainly on design, production, and art history and criticism. Production emphasis is on ceramic hand building techniques and glazing (pottery) and other sculpture in the round.

**Activities:** Students will use various hand building techniques to produce a variety of functional pottery and ceramic sculptures, as well as plaster, glass, and metal to create original sculpture.

**Evaluation:** Project evaluation, daily participation, growth, craftsmanship, originality

\*\*\*\*\*

**Title: 3D STUDIO 2 (Ceramics)**

**Prerequisite:** 3D Studio 1

**Grade Level:** 9, 10, 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Content:** An advanced course in three dimensional art focusing mainly on using a potter's wheel to produce a variety of vessels.

**Activities:** Students will throw on the wheel.

**Evaluation:** Project evaluation, daily participation, growth, craftsmanship, originality

\*\*\*\*\*

**Title: 3D INDEPENDENT STUDY**

**Prerequisite:** 3D Studio 1 and 2 AND Drawing AND Instructor Permission (permission slips available from Instructor)

**Grade Level:** 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Content:** This course is designed for students who have successfully completed 2 semesters of 3-D studio, as well as Drawing, and are interested in developing a deeper understanding and use of art media and technique. 3D Advanced Studio is offered only to highly motivated students who have had a variety of successful experiences in 3D in addition to at least one 2D course (drawing, Tech Zone). It is intended to offer and portfolio development to students who have the intention of pursuing Visual Arts beyond High School or in preparation for AP.

**Activities:** Individualized.

**Evaluation:** Individualized.

\*\*\*\*\*

**Title: AP STUDIO ART**

**Grade Level:** 11, 12      **Credit:** One      **Length of Course:** One year

**Prerequisite:** If a student is enrolling in the Drawing Section, he/she must have completed three of the following five classes before enrolling: Drawing 1, Drawing 2, Painting 1, Painting 2, or Digital Drawing. If a student is enrolling in the 3D Section, he/she must have completed 3D Studio 1, 3D Studio 2 and one of the following 5 classes: Drawing 1, Drawing 2, Painting 1, Painting 2, or Digital Drawing. If a student is enrolling in the 2D Design section, he/she must have completed three of the following classes: Fundamentals of Art & Design, Media Arts, Drawing or Digital Drawing, or Digital Photography (recommended.)

**Content:** The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. It is strongly suggested that students enroll for two years.

**Activities:** The AP Program offers three portfolios: Drawing, 2-D Design, and 3-D Design. The portfolios share a basic, three-section structure, which requires the student to show a fundamental competence and range of understanding in visual concerns (and methods). Each of the portfolios asks the student to demonstrate a depth of investigation and process of discovery through the **concentration** section (Section II). In the **breadth** section (Section III), the student is asked to demonstrate a serious grounding in visual principles and material techniques. The **quality** section (Section I) permits the student to select the works that best exhibit a synthesis of form, technique, and content.

**Requirements and Evaluation:** The table below summarizes the section requirements for each of the three portfolios.

	Drawing	2-D Design	3-D Design
Section I: Quality	Five actual drawings; maximum size is 18" x 24"	Five actual works; maximum size is 18" x 24"	Five works; two slides of each one are submitted
Section II: Concentration	12 slides; some may be details	12 slides; some may be details	12 slides; some may be second views
Section III: Breadth	12 works; one slide of each is submitted	12 works; one slide of each is submitted	Eight works; two slides of each are submitted

\*\*\*\*\*

**Title:** AVID

**Grade Level:** 9                      **Credit:** One                      **Length of Course:** One year

**Prerequisite:** None

**Content:** The primary goal of this elective is to support underserved or underrepresented students in preparation in college. The course is centered on helping these students be successful in enriched or accelerated courses that will offer them academically rigorous coursework with a structured support system. The goals of the course include helping students become aware of interests, talents and abilities; plan for ongoing personal and academic development; and refine personal and academic goals.

**Activities:** The AVID elective will be used to teach organizational skills, study skills, goal-setting and planning skills, and to strengthen skills in writing, reading, collaboration, and inquiry. Students will participate weekly in peer tutorials, reading and writing within the content areas, and career and college exploration.

**Out of Class Time Required:** 5 hours a week

**Evaluation:** Students are evaluated through their AVID binder, participation in tutorials, and reading and writing assignments in designated content areas.

\*\*\*\*\*

**Title:** BAND

**Grade Level:** 9, 10, 11, 12                      **Credit:** One                      **Length of Course:** One year

**Prerequisite:** Demonstration of basic skills on a wind or percussion instrument. Students will be placed within the ensemble according to ability.

**Content:** Education and performance of standard band literature including marching band and concert band literature.

**Activities:** Performances in concerts, festivals, parades and various athletic events.

**Out of Class Time Required:** Attendance at all performances. Occasionally there may be after school activities, for which a student might want to audition.

**Evaluation:** Student participation, demonstration of playing progress in band and lessons, and performance attendance.

\*\*\*\*\*

**Title:** CONSUMER EDUCATION/RESOURCE MANAGEMENT

**Grade Level:** (Actual) 11, 12                      **Credit:** One-half                      **Length of Course:** One semester

**Content:** Consumer Education will introduce students to business and economic principles. Units covered include Credit, Checking and Banking, Insurance, Taxes, Consumer Responsibilities and Rights, Labor Relations, Money Management, as well as Career Exploration. This class is designed to help students become educated consumers. **(GRADUATION REQUIREMENT)**

**Activities:** Class discussions, projects, videos, community resources, simulations, and hands-on computer activities.

**Out of Class Time Required:** One hour per week

**Evaluation:** Objective tests, class participation, special projects

\*This requirement may also be met by passing two semesters of Cooperative Work Training 1 or 2, or by passing the State Consumer Education Proficiency Test.

\*\*\*\*\*

**Title:** COOPERATIVE WORK TRAINING 1 & 2

**Grade Level:** 10, 11, 12      **Credit:** Two      **Length of Course:** One year

**Prerequisite:** At least 16 years of age

**Content:** Cooperative Work Training is a one or two year program. There are two components to this class: a work part and a classroom part. The student will be employed ten hours per week to fulfill the work requirement. The part-time work may be employment found by the teacher or the student, but it must be teacher approved. The classroom part covers employability and consumer skills. Some of these areas include interviewing, job shadowing, writing a resume, checking and credit. Passing two semesters of CWT fulfills the graduation requirement for Consumer Education.

\* \* \* \* \*

**Title:** DIGITAL DRAWING (TECH ZONE)

**Grade Level:** 9, 10, 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Type of Course:** The work that you do in class may be applied toward dual credit at Sauk Valley Community College. You must be a junior to enroll in dual credit, but you may apply work that was done as a freshmen or sophomore to a dual credit course that you are enrolling in as a junior.

**Prerequisite:** Media Arts or Digital Publishing

**Content:** If you love to draw and want to find a way use you skills professionally this class is for you. Careers depending heavily on these skills include Marketing, Sales, Education, Recruitment, Communications, Computer Technology, Travel, and Entertainment. Students will learn how to see a three-dimensional space and translate it to a two-dimensional surface through traditional drawing techniques. Instead of traditional drawing media, however, students will use pressure sensitive pens, tablets and software to input what they see into a computer. The software used includes Adobe Photoshop and Corel Draw. Digital Drawing may receive dual credit through Sauk Vally Community College and is required for the Graphic Design Specialist Certificate at Sauk Valley Community College.

**Out of Class Time Required:** Varies with individual student.

**Evaluation:** No Tests. All evaluation is based upon the work that you create.

**Note:** Students will sign up for a Tech Zone period during scheduling. After consultation with the Tech Zone instructor during the first week of the semester, the students will be placed in the appropriate class – Digital Publishing, Media Arts, Digital Drawing, Digital Photography, Multimedia, Graphic Design, Image and Sound, Motion Graphics, Film and Video or Web Design.

\* \* \* \* \*

**Title:** *DIGITAL PHOTOGRAPHY (TECH ZONE)*

**Grade Level:** 9, 10, 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Type of Course:** Elective/ The work that you do in class may be applied toward dual credit at Sauk Valley Community College. You must be a junior to enroll in dual credit, but you may apply work that was done as a freshmen or sophomore to a dual credit course that you are enrolling in as a junior.

**Prerequisite:** Media Arts or Digital Publishing

**Content:** If you love taking pictures you should take this class. Careers depending heavily on these skills include Marketing, Sales, Education, Recruitment, Communications, Computer Technology, Travel, and Entertainment. Students taking Digital Photography will become very familiar shooting professional digital cameras. You will learn the concepts of camera control, lighting and composition for photography. File management, compression, image manipulation, and printing will be included. In-depth work with Photoshop for image manipulation is at the core of this course. The software used includes Adobe's Photoshop. Digital Photography may receive dual credit through Sauk Valley Community College and is required for the Graphic Design Specialist Certificate at Sauk Valley Community College.

**Out of Class Time Required:** Varies with individual student.

**Evaluation:** No Tests. All evaluation is based upon the work that you create.

**Note:** Students will sign up for a Tech Zone period during scheduling. After consultation with the Tech Zone instructor during the first week of the semester, the students will be placed in the appropriate class – Digital Publishing, Media Arts, Digital Drawing, Digital Photography, Multimedia, Graphic Design, Image and Sound, Motion Graphics, Film and Video or Web Design.

\* \* \* \* \*

**Title: DIGITAL PUBLISHING (TECH ZONE)**

**Grade Level:** 9,10,11,12      **Credit:** One half      **Length of Course:** One semester

**Type of Course:** Elective/ The work that you do in class may be applied toward dual credit at Sauk Valley Community College. You must be a junior to enroll in dual credit, but you may apply work that was done as a freshmen or sophomore to a dual credit course that you are enrolling in as a junior.

**Content:** If your cell phone is never off, you live on face-book, twitter, and google, or you watch youtube incessantly then this class is for you. Digital Publishing is intended to prepare students for the rapidly changing way that they will communicate in college, business and the world we live in. Careers depending heavily on these skills include Marketing, Sales, Education, Recruitment, Communications, Computer Technology, Travel, and Entertainment. This is the first course student's take in the Techzone. Focusing on consumer level skills, students will be introduced to a variety of multimedia techniques including planing the workspace, mastering selection tools, paths and layer masks, managing colors and color palettes, understanding drawing tools and layers and finally identifying and using the principle of design. The software used includes Adobe Photoshop, Adobe Illustrator, I-Movie, I-Web and Garageband.

**Activities:** Starting from the basics of how to take a picture, you will learn how to effectively edit photos using Photoshop and post them on the Internet. You will unlock the powerful tools of In Design and learn to inventively layout pages for publishing. Working on individual projects and as a team, your work will be published in the school yearbook, newspaper, on the Sterling Schools website and on the local access cable network. If you want to be at the cutting edge of the exciting field of digital publishing, wish to be involved in journalism, want to start gathering assets for your portfolio, or just want to know your way around your cell phone and the internet, Digital Publishing is where you want to start.

**Note:** Students will sign up for a Tech Zone period during scheduling. After consultation with the Tech Zone instructor during the first week of the semester, the students will be placed in the appropriate class – Digital Publishing, Media Arts, Digital Drawing, Digital Photography, Multimedia, Graphic Design, Image and Sound, Motion Graphics, Film and Video or Web Design.

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**Title: DRAWING**

**Grade Level:** 9, 10, 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Content:** An introductory course in drawing focusing on contour, gesture, sketching, proportion, value and shading, as well as design, production, and art history and criticism. Emphasis is placed on how to deal with creative thought processes and the formulation of new ideas. Previous drawing experience is NOT necessary. This class is a prerequisite for Painting.

**Prerequisite:** Fundamentals of Art & Design

**Activities:** Students will use various drawing media and processes to produce a variety of original artwork.

**Evaluation:** Project evaluation, daily participation, growth, craftsmanship, originality, personal growth.

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**Title:** *FILM AND VIDEO (TECH ZONE)*

**Grade Level:** 9, 10, 11, 12

**Credit:** One-half **Length of Course:** One semester

**Type of Course:** Elective/ The work that you do in class may be applied toward dual credit at Sauk Valley Community College. You must be a junior to enroll in dual credit, but you may apply work that was done as a freshmen or sophomore to a dual credit course that you are enrolling in as a junior.

**Prerequisite:** Media Arts or Digital Publishing

**Content:** So you want to cut a really nice “youtube” video or “pod cast”, cut video for television or commercials, or put together a feature length film, then this is the class that you want to take. Careers depending heavily on these skills include Marketing, Sales, Education, Recruitment, Communications, Computer Technology, Travel, and Entertainment. Posting video on “youtube” is fun, but all of you should consider that video for the web and hand held devices is becoming a prime way to communicate and even get a scholarship or a job. Video is becoming as prevalent as desktop publishing. As you search “youtube” pay attention to the sheer numbers of posts, types of posts and what attracts the greatest number of hits. How much video do you watch each day? Someone is creating it; it could be you! Think about your portfolio or highlight tape. Are you ready to cut the best one that you can? We will teach you how on professional editing equipment. The software used includes Adobe’s Photoshop, and Apple’s Final Cut Pro and Sound Track Pro. Film and Video may receive dual credit through Sauk Vally Community College and is an elective for the Digital Media Arts Certificate at Sauk Valley Community College.

**Out of Class Time Required:** Varies with individual student.

**Evaluation:** No Tests. All evaluation is based upon the work that you create.

**Note:** Students will sign up for a Tech Zone period during scheduling. After consultation with the Tech Zone instructor during the first week of the semester, the students will be placed in the appropriate class – Digital Publishing, Media Arts, Digital Drawing, Digital Photography, Multimedia, Graphic Design, Image and Sound, Motion Graphics, Film and Video or Web Design.

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**Title:** *FOODS AND NUTRITION 1*

**Grade Level:** 9, 10, 11, 12

**Credit:** One-half

**Length of Course:** One semester

**Content:** This class allows students to develop the skills necessary to prepare nutritious meals and snacks. Experience in the food’s lab will help students learn proper cooking techniques and meal management while working in a group setting.

**Activities:** Discussion, lecture, reading and charts, overheads, laboratory experiences, demonstrations, videos.

**Evaluation:** Lab work, tests, demonstration, class participation, products.

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**Title: FOODS AND NUTRITION 2**

**Grade Level:** 10, 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Prerequisite:** Foods and Nutrition 1 with at least an A, B, C, or D.

**Content:** Foods and Nutrition 2 will expand on the concepts learned in Foods I. Students will develop their own individual recipe book during the semester. The students will research, plan, and prepare meals for a variety of situations. This course will include a study of American Regional and International Foods.

**Activities:** Discussion, overheads, reading and charts, laboratory experiences. Research, planning and preparing laboratory lessons.

**Evaluation:** Lab work, tests, and products.

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**Title: GRAPHIC DESIGN (TECH ZONE)**

**Grade Level:** 10, 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Type of Course:** Elective/ The work that you do in class may be applied toward dual credit at Sauk Valley Community College. You must be a junior to enroll in dual credit, but you may apply work that was done as a freshmen or sophomore to a dual credit course that you are enrolling in as a junior.

**Prerequisite:** Media Arts and Digital Drawing

**Content:** If you are an artist thinking about becoming a Graphic Designer, Fashion Designer, Interior Designer, Web Designer or any other visual designer you should take this course. Careers depending heavily on these skills include Marketing, Sales, Education, Recruitment, Communications, Computer Technology, Travel, and Entertainment. Students taking Graphic Design will be exposed to design considerations used for static images found in print and web design. You will be working with the design concepts of Gestalt Psychology, color theory, typography, grids, composition and visual unity. You will be designing logo's, brochures, magazine layouts, web pages, DVD covers and other two dimensional products. The software used includes Adobe's Photoshop, Illustrator, and InDesign. Graphic Design may receive dual credit through Sauk Vally Community College and is required for the Graphic Design Specialist Certificate at Sauk Valley Community College.

**Evaluation:** No Tests. All evaluation is based upon the work that you create.

**Note:** Students will sign up for a Tech Zone period during scheduling. After consultation with the Tech Zone instructor during the first week of the semester, the students will be placed in the appropriate class – Digital Publishing, Media Arts, Digital Drawing, Digital Photography, Multimedia, Graphic Design, Image and Sound, Motion Graphics, Film and Video or Web Design.

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**Title: IMAGE AND SOUND (TECH ZONE)**

**Grade Level:** 9, 10, 11, 12

**Credit:** One-half **Length of Course:** One semester

**Type of Course:** Elective/ The work that you do in class may be applied toward dual credit at Sauk Valley Community College. You must be a junior to enroll in dual credit, but you may apply work that was done as a freshmen or sophomore to a dual credit course that you are enrolling in as a junior.

**Prerequisite:** Media Arts or Digital Publishing and Digital Photography

**Content:** If you think that music composing and recording, mixing sound, sound reinforcement on the road and in concert halls and arenas, shooting cameras for the music, film and entertainment business, then this is the class you should take. Careers depending heavily on these skills include Marketing, Sales, Education, Recruitment, Communications, Computer Technology, Travel, and Entertainment. Image and Sound is designed as a production class for Film and Video and the music industry. You will use still cameras, video cameras, booms and microphones, mixing boards, lighting, video switchers, green screen, keyboards, drum machines, along with mixing and composing software. If you want to be the the director, art director or grip, create sound effects and foley for animation, score music and dialog for film then take this course! The software used includes Adobe's Photoshop, and Apple's Final Cut Pro, Soundtrack Pro and Logic. Image and Sound may receive dual credit through Sauk Vally Community College and is required for the Graphic Design Specialist Certificate at Sauk Valley Community College.

**Out of Class Time Required:** Varies with individual student.

**Evaluation:** No Tests. All evaluation is based upon the work that you create.

**Note:** Students will sign up for a Tech Zone period during scheduling. After consultation with the Tech Zone instructor during the first week of the semester, the students will be placed in the appropriate class – Digital Publishing, Media Arts, Digital Drawing, Digital Photography, Multimedia, Graphic Design, Image and Sound, Motion Graphics, Film and Video or Web Design.

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**Title: INTERACTIVE MEDIA (TECH ZONE)**

**Grade Level:** 9, 10, 11, 12

**Credit:** One-half **Length of Course:** One semester

**Type of Course:** Elective/ The work that you do in class may be applied toward dual credit at Sauk Valley Community College. You must be a junior to enroll in dual credit, but you may apply work that was done as a freshmen or sophomore to a dual credit course that you are enrolling in as a junior.

**Prerequisite:** Media Arts or Digital Publishing and Film and Video

**Content:** You have been working on your web sites and like the interactive nature of the web, gaming, DVD's and touch screens. Perhaps you need a portfolio for college or to show off your work skills. This class is for you! Careers depending heavily on these skills include Marketing, Sales, Education, Recruitment, Communications, Computer Technology, Travel, and Entertainment. You will continue to work in Flash to learn how to control the screen. You will learn to create and prepare assets for publication to the web. The software used includes Adobe's Photoshop, Flash and Dreamweaver. Interactive Media may receive dual credit through Sauk Vally Community College and is an elective for the Digital Media Arts Certificate at Sauk Valley Community College.

**Out of Class Time Required:** Varies with individual student.

**Evaluation:** No Tests. All evaluation is based upon the work that you create.

**Note:** Students will sign up for a Tech Zone period during scheduling. After consultation with the Tech Zone instructor during the first week of the semester, the students will be placed in the appropriate class – Digital Publishing, Media Arts, Digital Drawing, Digital Photography, Multimedia, Graphic Design, Image and Sound, Motion Graphics, Film and Video or Web Design.

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**Title:** *JV Choir*

**Grade Level:** 9,10,11,12      **Credit:** One      **Length of Course:** One year

**Prerequisite:** A desire to sing and some vocal proficiency

**Content:** This choir is offered to any student with an interest in choral music. Repertoire will cover a variety of styles and time periods.

**Activities:** Singing in a large group and select festival participation.

**Out of Class Time Required:** Four concerts per year

**Evaluation:** Student motivation, participation, and demonstration of singing proficiency, 4 Concerts per year, sight singing, and written work on music lessons taught in class.

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**Title:** *MEDIA ARTS (TECH ZONE)*

**Grade Level:** 9, 10, 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Type of Course:** Elective/ The work that you do in class may be applied toward dual credit at Sauk Valley Community College. You must be a junior to enroll in dual credit, but you may apply work that was done as a freshmen or sophomore to a dual credit course that you are enrolling in as a junior.

**Prerequisite:** None

**Content:** If you think that entertainment, social media, the internet, and video on the web is the way you would like to earn a living then this class is for you. Careers depending heavily on these skills include Marketing, Sales, Education, Recruitment, Communications, Computer Technology, Travel, and Entertainment. This is the second course usually taken in the Techzone and is a prerequisite for many other courses. Media Arts will continue exploring the different ways we communicate and entertain, but will introduce students to professional software that business and the entertainment industry uses to communicate and entertain on a global scale. You will learn to create files using the correct programs so that you can assemble them for print and the web. You will learn to prepare images for assembly programs and move files to different locations on the internet. You will learn how to use video cameras, record sound and shoot clips to be assembled in professional video editing software. You will learn to use mixing boards and video switchers as you work with "green screen". The software used includes Adobe's Photoshop, Illustrator, Flash, InDesign and Apple's Final Cut Pro. Media Arts may receive dual credit through Sauk Vally Community College and is required for the Graphic Design Specialist Certificate at Sauk Valley Community College.

**Evaluation:** No tests. All evaluation is based upon the work that you create.

**Note:** Students will sign up for a Tech Zone period during scheduling. After consultation with the Tech Zone instructor during the first week of the semester, the students will be placed in the appropriate class – Digital Publishing, Media Arts, Digital Drawing, Digital Photography, Multimedia, Graphic Design, Image and Sound, Motion Graphics, Film and Video or Web Design.

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**Title: MOTION GRAPHICS (TECH ZONE)**

**Grade Level:** 9, 10, 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Type of Course:** Elective/ The work that you do in class may be applied toward dual credit at Sauk Valley Community College. You must be a junior to enroll in dual credit, but you may apply work that was done as a freshmen or sophomore to a dual credit course that you are enrolling in as a junior.

**Prerequisite:** Media Arts or Digital Publishing and Digital Drawing

**Content:** If you like animation, cartooning, web graphics, motion graphics for film and television then this is the course that you should take. Careers depending heavily on these skills include Marketing, Sales, Education, Recruitment, Communications, Computer Technology, Travel, and Entertainment. Working in Flash, you will learn to create the drawings and story boards, make the object move and interact with the background, prepare music, dialog and sound effects for your story board, and publish to the web. Flash is vector based and geared towards web and animation for television and film such as "South Park" , "UP" and Nickelodeon. After Effects is geared towards bit mapped motion graphics for film and television such as opening credits and special effects. The software used includes Adobe's Photoshop, Illustrator, Flash, and After Effects. Motion Graphics may receive dual credit through Sauk Valley Community College and is an elective for the Digital Media Arts Certificate at Sauk Valley Community College.

**Out of Class Time Required:** Varies with individual student.

**Evaluation:** No Tests. All evaluation is based upon the work that you create.

**Note:** Students will sign up for a Tech Zone period during scheduling. After consultation with the Tech Zone instructor during the first week of the semester, the students will be placed in the appropriate class – Digital Publishing, Media Arts, Digital Drawing, Digital Photography, Multimedia, Graphic Design, Image and Sound, Motion Graphics, Film and Video or Web Design.

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**Title: MUSIC APPRECIATION**

**Grade Level:** 9, 10, 11, 12      **Credit:** One Half      **Length of Course:** One semester

**Prerequisite:** No prerequisite; however, students should have a general interest in wanting to see the social, ethical, and political implications that music has had on the history of the world.

**Content:** Students will be introduced to all periods of music history and how these reflect societal change occurring during these times.

**Activities:** Lectures, listening and research.

**Out of Class Time Required:** Homework Only 1-2 Hours per week.

**Evaluation:** Students will be evaluated by written and aural forms of assessment.

\*\*\*\*\*

**Title: Music in Theatre**

**Grade Level:** 9, 10, 11, 12    **Credit:** One Half    **Length of Course:** One semester

**Prerequisite:** No prerequisite; Students should have an interest in knowing more about music and theatre and how musicals are made. This class does NOT involve singing or acting.

**Content:** Students will be introduced to all forms of musical theatre and how these forms fit into the history of American Theatre.

**Activities:** Lectures, listening and research.

**Out of Class Time Required:** No out of class requirements unless it is to make up missed work.

**Evaluation:** Students will be evaluated by written and aural forms of assessment.

**Title: ORCHESTRA**

**Grade Level:** 9, 10, 11, 12    **Credit:** One    **Length of Course:** One year

**Prerequisite:** Demonstration of basic skills on a stringed instrument, i.e., violin, viola, cello, string bass and harp.

**Content:** Fundamentals of ensemble playing with culmination into performance of light classical, classics, concerti, musicals and other music for string orchestra and symphonic orchestra. Emphasis is placed on technique and expression and how they are combined to create a work of art.

**Activities:** Playing in large and small ensembles; performing in four or more concerts per year.

**Out of Class Time Required:** Four performances and at community request.

**Evaluation:** Students will be evaluated on an individualized musicianship program. This program incorporates performance oriented activities with non-performance activities.

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**Title: PAINTING**

**Prerequisite:** Drawing

**Grade Level:** 10, 11, 12    **Credit:** One-half    **Length of Course:** One semester

**Content:** An introductory course in painting focusing on experimentation with various painting media such as watercolor, acrylics, oils or tempera, gouache and mixed media on a variety of ground (linen, canvas, paper).

**Activities:** Students will use various media and processes to produce a variety of original artwork using individual experimentation with media, techniques, processes, tools and materials. Students will view, discuss, produce and evaluate various non-objective, still life, landscape, and portrait/figure paintings.

**Evaluation:** Project evaluation, daily participation, craftsmanship, originality, personal growth.

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**Title: SEMINAR IN LEADERSHIP, COMMUNITY, AND CAREER**

**Grade Level:** 10, 11, 12      **Credit:** One-Half      **Length of Course:** One Semester

**Content:** Seminar in leadership allows students to realize their potential as leaders among their peers as well as in their community. Various topics covered include understanding different leadership styles & different types of authority/power. We will also focus on developing good communication skills, understanding diversity, taking risks, and creative problem solving. Once students understand their personal values, what motivates them, and how to accept personal responsibility, it becomes easier to demonstrate effective leadership skills & understand why different leaders handle situations differently. Students will use two separate textbooks, one focusing on attitude and the other on everyday leadership for success.

**Activities:** Be prepared to participate in class discussions, class projects, team building activities and community service opportunities.

**Out of Class Time Required:** 1 hour per week

**Evaluation:** Daily class participation, projects, quizzes, and overall leadership growth.

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**Title: VARSITY CHOIR**

**Grade Level:** 9, 10, 11, 12      **Credit:** One      **Length of Course:** One year

**Prerequisite:** Superior vocal ability and musicianship as determined through audition.

**Content:** Advanced choral literature covering all musical periods and varied composers.

**Activities:** Singing in large groups, sectional work, public performance, and festival participation.

**Out of Class Time Required:** Four concerts per year, festival participation, as well as performances at community request.

**Evaluation:** Student participation and demonstration of singing proficiency, written work over music lessons taught in class, concert performance and sight singing.

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## DRIVER EDUCATION DEPARTMENT

**Title:** *DRIVER EDUCATION*

**Grade Level:** Priority to Sophomores    **Credit:** One-half    **Length of Course:** One Semester

**Prerequisite:** A student must have passed 8 classes in the previous 2 semesters to be eligible to take Driver Education.

**Content:** The Driver Education program is designed to provide all regularly enrolled students with basic driving skills for the safe and efficient operation of a motor vehicle. The program consists of two phases: Classroom instruction (30 hours); and Behind the Wheel (6 hours). The units of instruction include: Rules of the Road, Basic Car Control and Maintenance, Seat Belts, Alcohol and Intersection Interaction.

**Activities:** Lectures, films, videotapes, discussion, outside speakers, demonstrations, behind-the-wheel experience.

**Evaluation:** Tests, projects, state driver's test for driving ability.

**PLEASE NOTE:** Due to attendance requirements, this class cannot be added after the fifth day of class. Upon the 8th absence from Driver Education a student will be dropped from the course and assigned to study hall for the remainder of that semester. Behind the wheel driving time will be given in priority of birthdates. Some students may need to drive before school, after school and/or on Saturdays to meet requirements.

### **ATTENTION PARENTS/GUARDIAN:**

All student fee accounts must be paid up before the State of Illinois "Blue Slips" will be issued to the student upon the completion of driver's education classes.

## ENGLISH DEPARTMENT

**Title:** *ENGLISH 1*

**Grade Level:** 9

**Credit:** One

**Length of Course:** One Year

**Content:** Freshman English develops essential skills in close reading, accurate writing, and an introduction to research. Course content studies the various genres of short story, drama, novel, and non-fiction. The course challenges students to improve their narrative and expository writing skills in preparation for the persuasive essay.

**Activities:** Daily homework assignments, lectures, cooperative group activities, and Writing Center usage incorporating a variety of written compositions.

**Out of Class Time Required:** Two to three hours per week.

**Evaluation:** The student will be evaluated on daily assignments, quizzes, tests, writings, and participation in class activities/projects.

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**Title:** *READING STRATEGIES*

**Grade Level:** 9

**Credit:** One

**Length of Course:** One Year

**Content:** This course focuses on developing strands of literacy; fluency, vocabulary, comprehension strategies, and sustained silent reading. Instruction will provide explicit modeling of strategies and skills that good readers employ.

**Activities:** Sustained Silent Reading, Journaling, Book Talks, Vocabulary Work, and Fluency Practice.

**Out of Class Time Required:** None

**Evaluation:** The student will be evaluated on daily assignments, journals, book talks and participation in class activities/projects.

\*\*\*\*\*

**Title:** *ENGLISH 2*

**Grade Level:** 10

**Credit:** One

**Length of Course:** One Year

**Prerequisite:** English 1

**Content:** Sophomore English reinforces and expands the knowledge and skills learned in English I. Critical reading of literary genres helps develop skills on both the literal and interpretive levels through multi cultural mediums. A strong focus for this year is the mastery of compositional skills demonstrating mastery of organization, support, and mechanics. The course includes analytical writing that demonstrates the student's skills in grammar, synthesis, and citation. In addition, students will participate in multiple media studies that require students to analyze argument and conflict in film.

**Activities:** Reading, discussion, group work, writing, film study, and exercises in vocabulary.

**Out of Class Time Required:** One to three hours per week.

**Evaluation:** Class participation, quizzes, tests, essays, and embedded assessments including writings, collages, and other individualized projects.

**Title:** *ENGLISH 3*

**Grade Level:** 11

**Credit:** One

**Length of Course:** One year

**Prerequisite:** English 1, English 2

**Content:** Junior English is a thematic study of units in American texts and American values. Units include the following: Voices of a Modern Culture, American Forums: the Marketplace of Ideas, The Power of Persuasion, An American Journey, and The Pursuit of Happiness. Texts, class discussions, and projects will focus on the rich cultural, philosophical, and political diversity of a people trying to realize their dreams. Analytical research relevant to American culture will reflect emphases of vocabulary study, oral communication skills, word processing, and research skills.

**Embedded Assessment Activities:** include Surveying, Writing a Synthesis Essay, Creating an Op-Ed page, Writing a Satirical Piece, Speechmaking, Performing a Dramatic Scene, and Writing an Analytical Essay, among other evaluations.

**Out of Class Time Required:** Two hours per week.

**Other forms of evaluation:** Vocabulary study, in-class and out of class writing activities, worksheets, group activities.

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**Title:** *ENGLISH 4*

**Grade Level:** 12

**Credit:** One

**Length of Course:** One year

**Prerequisite:** English 1, English 2, English 3

**Content:** This course is a thematic study of multi-cultural texts of various genres, including short stories, essays, poetry, drama, and film. The study of these texts is designed to increase their analytical skills and writing abilities. Class projects focus on the students' ability to create an argument and defend it effectively. Students' reading of advanced texts is supported through grammar instruction and reading strategies (e.g., annotation, graphic organizers, and group discussion).

**Activities:** Reading, writing, speaking, and project

**Out of Class Time Required:** Three to four hours per week

**Evaluation:** Tests, quizzes, writing, and projects

\*\*\*\*\*

**Title:** *ACCELERATED ENGLISH 1*

**Grade Level:** 9

**Credit:** One

**Length of Course:** One year

**Prerequisite:** Accelerated English in middle school is encouraged, but not required.

**Content:** This is a course in reading and writing that is highly recommended for students who plan to enroll in AP (Advanced Placement) courses as upperclassmen, particularly English Language and/or Literature. Students will read Pulitzer and Nobel authors; focus on literary elements and devices (such as characterization and metaphor) will be studied in-depth. Learning to write persuasively in all modes (comparison, contrast, cause-effect, etc.) is a primary objective. The class will participate in critical discussions that reflect responsibility in reading assignments.

**Activities:** Daily homework assignments including reading, research, and writing, as well as in-class journals and discussion.

**Out of Class Time Required:** Five to seven hours per week

**Evaluation:** Tests, written papers, participation, and in-class journals.



**Title: PUBLICATIONS 2**

**Grade Level: 10, 11, 12**

**Credit: One-half**

**Length of Course: One Year**

**Prerequisite: Publications 1**

**Content:** This course will focus on the communication and technical skills required to publish the school newspaper and the literary magazine. The fundamentals of writing news articles, editorials, and feature stories will be taught. Information gathering tools covered will include interviewing and searching both paper and electronic files. Students will also learn basic photography and the Quark Xpress 2007 computer program used for layout of both publications.

**Activities:** Students will be placed in leadership role as an editor of the school newspaper and/or the literary magazine. Students will also work to gather advertisements from community business and area and school clubs and organizations. Students will work independently on assigned tasks and should be self-motivated and deadline oriented to more realistically experience life in the world of an everyday news source.

**Out of Class Time Required: As assigned by Instructor**

**Evaluation:** Students will be evaluated on their ability to work with others, on the number of assignments completed, on the thoroughness of their work, and on the quality of the finished products. At the end of each term, a portfolio of each student's work will largely determine his or her grade.

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**Title: ADVANCED PLACEMENT LANGUAGE & COMPOSITION**

**Grade Level: 11, 12**

**Credit: One (weighted)**

**Length of Course: One year**

**Prerequisite: English 1, English 2**

**Content:** Advanced Placement English Language is a study of rhetoric, including both written and non-written (visual and auditory) texts. Emphasis is on the rhetorical techniques writers employ to make their arguments effective. Students will study and write the three free-response modes on the AP exam in May: synthesis essay, analysis essay, and argument essay. Students will also study for the multiple-choice section of the exam.

**Activities:** class discussions, critical thinking activities including individual and group revision activities, vocabulary, grammar, in-class essays (approximately twelve per year) and out-of-class writing activities (approximately four per year), research, speech and debate.

**Out of Class Time Required: Three hours per week.**

**Evaluation: writing assignments, quizzes, tests, among others.**

**Title:** **ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION**

**Grade Level:** 12                      **Credit:** One (weighted)                      **Length of Course:** One year

**Prerequisite:** AP Language

**Content:** Students will learn to write compositions drawn from literature. Students will write timed compositions as often as once every two weeks. Students will learn to evaluate these papers. Students will write take-home papers. Students will read 6 to 8 novels, 2 to 4 plays, and a large selection of poetry and short stories. The literature will be selected from different centuries, but 50% will be culled from the 20<sup>th</sup> century. Students will read two novels and write a paper in the summer to be prepared for the beginning of school. The course addresses the Illinois State Standards and National Advanced Placement Standards. Students may be granted college credit depending on the score they receive on the AP exam given in the spring and the policy of the university in which they enroll. The workload and quality of work will be demanding. The goal of this course is to develop independence in learning as well as the ability to be interdependent in group work.

**Activities:** Reading, writing, large and small group discussions, film analysis, independent projects, group projects.

**Out of Class Time Required:** One to two hours per day

**Evaluation:** Done by students themselves and the instructor

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## DUAL ENROLLED ENGLISH

**NOTE:** *Students are responsible for payment of tuition and purchase of textbooks. Students will be scheduled into the class until they demonstrate proficiency on the ACT or Compass test as per Sauk's requirements.*

**Title:** **ENG 101 – COMPOSITION 1**

**Grade Level:** 12                      **Credit:** One-half                      **Length of Course:** One Semester

**Credit:** 3 semester hours of college credit from Sauk Valley Community College.

**Prerequisite:** ACT standard score in English & Reading of 20 or above. Suitable scores on the current English placement test, or grade of "C".

**Content:** A basic course in essay writing with emphasis on exposition, English 101 stresses knowledge and application of the rhetorical modes. English 101 presupposes competence in grammar, usage, and mechanics.

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**Title:** **ENG 103 – COMPOSITION 2**

**Grade Level:** 12                      **Credit:** One-half                      **Length of Course:** One Semester

**Credit:** 3 semester hours of college credit from Sauk Valley Community College.

**Prerequisite:** A grade of "C" or higher in English 101 or its equivalent.

**Content:** An advanced course in essay writing with emphasis on formal research, English 103 serves to develop a proficiency in the collection and selection of data as applied to the completion of a formal research paper. In addition, students receive instruction in logic and reasoning, including the fundamentals of argumentative and persuasive writing.

## FOREIGN LANGUAGE DEPARTMENT

Please note that at all levels of all languages – **In order to advance to the next level students need to earn a "C" or better each semester. Both semesters must be repeated if either semester grade is below "C".**

**Title:** *FRENCH 1*

**Grade Level:** 9, 10, 11                      **Credit:** One                      **Length of Course:** One Year

**Content:** Development of basic skills involved in speaking, listening comprehension, reading, and writing the French language; cultural aspects of the French people are also included.

**Activities:** Study of the French sound system, vocabulary, and basic grammar. Supplementary aids include tapes, films, videos, magazines, language games. Students will practice in the language lab.

**Out of Class Time Required:** Approximately two to three hours per week.

**Evaluation:** Based on oral and written quizzes and tests and homework.

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**Title:** *FRENCH 2*

**Grade Level:** 10, 11, 12                      **Credit:** One                      **Length of Course:** One year

**Prerequisite:** Passed French 1 with a "C" or better each semester (or by teacher recommendation).

**Content:** Expansion of the basic skills learned in French 1, with emphasis on the spoken language structure. Additional cultural study.

**Activities:** Vocabulary learned through dialogues, stories, and drills. Supplementary aids include tapes used in the language lab, videos, CDs, magazines, and books. Students will practice in the language lab.

**Out of Class Time Required:** Approximately two to three hours per week.

**Evaluation:** Based on oral and written achievement.

\*\*\*\*\*

**Title:** *FRENCH 3*

**Grade Level:** 11, 12                      **Credit:** One                      **Length of Course:** One year

**Prerequisite:** Passed French 2 with a "C" or better each semester (or by teacher recommendation).

**Content:** Emphasis on proficiency in speaking, reading, and writing with special attention given to French civilization and culture, particularly history.

**Activities:** Individual or small group work. French becomes more and more the language of the classroom. Supplementary aids include the use of tapes in the language lab, videos, and research projects on the Internet.

**Out of Class Time Required:** A minimum of three hours per week.

**Evaluation:** Based on oral and written proficiency.



**Title: SPANISH 3**

**Grade Level:** 10, 11,12                      **Credit:** One                      **Length of Course:** One year

**Prerequisite:** Passed Spanish 2 with a “C” or better each semester (or by teacher recommendation).

**Content:** Emphasis on proficiency in reading, writing, speaking and listening.

**Activities:** Students will revisit topics including celebrations, daily life, travel, art, and current events--- but they will learn additional vocabulary and participate at a more advanced level through projects, discussion, and individual writings. Students at this level should be willing to work on memorizing/practicing outside of class so that class time may be spent on application and advancement of communication skills. Students will use authentic resources as much as possible.

**Out of Class Time Required:** Two to three hours per week.

**Evaluation:** Daily assignments, quizzes, tests and special projects.

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**Title: SPANISH 4**

**Grade Level:** 11, 12                                      **Credit:** One                                      **Length of Course:** One Year

**Prerequisite:** Passed Spanish 3 with a “C” or better each semester (or by teacher recommendation).

**Content:** Continued emphasis on proficiency in reading, writing, listening, and speaking. Also, a continued emphasis on application of the Spanish language is used. Students will also be reading Latin American legends and a novel. The use of authentic resources is emphasized.

**Activities:** Individual and small group work, selected readings, language lab work and original writing and speaking projects.

**Out of Class Time Required:** Two to three hours per week.

**Evaluation:** Daily assignments, quizzes, tests, and special projects.

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**Title: ADVANCED PLACEMENT SPANISH / SPANISH 5**

**Grade Level:** 12                                      **Credit:** One (weighted)                                      **Length of Course:** One year

**Prerequisite:** Completion of Spanish IV with at least a “B” in each semester (or by teacher recommendation)

**Content:** The course is designed to further develop fluency of communication in the target language. Students are expected to develop greater proficiency in the four major language skills (listening, reading, speaking, and writing) while also deepening their knowledge in topics related to the Hispanic culture. Among other activities, students will be required to read and respond to, both orally and in writing, text readings that include short stories, legends, poems, as well as other topics of literary composition. The curriculum used is designated by Advanced Placement. Students may be granted college credit depending on the score they receive on the AP exam given in the spring and the policy of the university in which they enroll.

**Activities:** Will follow the recommendation of the Advance Placement curriculum.

**Out of class time required:** Minimum of 4 hours per week.

**Evaluation:** Oral Class discussions, quizzes, tests, and special projects. It is recommended that students take the Advanced Placement test for college credit at the end of this course.

## HEALTH DEPARTMENT

**Title:** *HEALTH*

**Grade Level:** 9, 10, 11, 12      **Credit:** One-half      **Length of Course:** One semester

**Content:** Units in mental health, stress and coping skills, alcohol, drug and tobacco use and abuse, human reproduction, human growth and development, relationships, diet and nutrition, fitness, personal habits, consumer health, human ecology and health, prevention and control of diseases.

**Activities:** Lectures, class discussions, group work, guest speakers, D.A.R.E.

**Out of Class Time required:** Two to three hours per week

**Evaluation:** A composite of essay tests, papers, written assignments, and worksheets, along with class participation.

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## MATHEMATICS DEPARTMENT

**Title:** *ALGEBRA 1*

**Grade Level:** 9, 10, 11, 12      **Credit:** One      **Length of Course:** One year

**Prerequisite:** Eighth grade mathematics teacher recommendation.

**Content:** Algebra 1 is critical to all students. This course is required for gainful employment in most careers in the twenty-first century and for post-secondary education, including vocational training, community college, or four year college. Problem solving, solving equations, and graphing linear equations are primary topics. Course integrates technology with graphing calculators and spreadsheets.

**Activities:** Lecture, small group instruction, and the use of graphing calculators is introduced. Independent reading is required.

**Out of Class Time Required:** A minimum of two to three hours per week.

**Evaluation:** Performance on homework, quizzes, and chapter tests

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**Title: ACCELERATED ALGEBRA 2**

**Grade Level:** 10                      **Credit:** One                      **Length of Course:** One year

**Prerequisite:** Accelerated Geometry or teacher recommendation

**Content:** This Algebra 2 course sequentially follows Algebra 1 and Accelerated Geometry. The structure of algebra is reinforced and methods to increase student understanding of mathematical concepts are introduced. Students will move toward more independent learning. This is accomplished by the students reading and using the textbook. This course integrates technology as a problem-solving tool. Specifically, graphing calculators are used almost daily. Topics of supplemental nature are used according to the interests of the students and the time available without hindrance to the topics needed for the following courses. The student will be expected to do all assignments in order to master Algebra 2.

**Activities:** Teacher and/or fellow students leading discussions to gain mathematical knowledge.

**Out of Class Time Required:** Minimum of five hours per week

**Evaluation:** Performance on tests and quizzes

**Recommended Technology:** TI-83Plus or TI-84 Graphing Calculator

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**Title: ALGEBRA 2**

**Grade Level:** 11,12                      **Credit:** One                      **Length of Course:** One year

**Prerequisite:** Algebra 1, Geometry

**Content:** Algebra 2 is a course sequentially following Algebra 1 or Geometry. The most common sequence is Algebra 1, Geometry, and Algebra 2. The structure of algebra is reinforced and methods to increase student understanding of mathematical concepts are introduced. Topics are presented by the teacher using lecture and examples. The student will be expected to do all assignments in order to master Algebra 2. \*ACT Prep!

**Activities:** Lectures, small group discussions, and graphing calculator skill-building activities.

**Out of Class Time Required:** Minimum of five hours per week.

**Evaluation:** Performance on tests, quizzes, and homework

**Recommended Technology:** TI-83Plus or TI-84 Graphing Calculator

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**Title: GEOMETRY**

**Grade Level:** 10, 11, 12                      **Credit:** One                      **Length of Course:** One year

**Prerequisite:** Algebra 1

**Content:** This course satisfies college requirements for high school geometry. Standard plane geometry topics including points, lines, planes, parallelism, perpendicularity, two column and paragraph proofs, circles, quadrilaterals, congruency, similarity, areas, and volumes.

**Activities:** Lectures, small group discussions, individualized instruction

**Out of Class Time Required:** Three to four hours per week

**Evaluation:** Performance on tests and homework and projects

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**Title: ACCELERATED GEOMETRY**

**Grade Level:** 9                      **Credit:** One                      **Length of Course:** One year

**Prerequisite:** Algebra 1 & teacher recommendation.

**Content:** This course is designed for our more advanced math students at the ninth grade level. Plane figures and their properties are studied deductively using formal logic. This course has an emphasis on proof.

**Activities:** Lectures, small group discussions, individualized instruction

**Out of Class Time Required:** Four to five hours per week

**Evaluation:** Performance on tests

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**Title: ALGEBRA 3 AND TRIGONOMETRY**

**Grade Level:** 12                      **Credit:** One                      **Length of Course:** One year

**Prerequisite:** Algebra 2

**Content:** This course is designed for college bound students who have successfully completed Algebra 1, Geometry, and Algebra 2. The main emphasis is on trigonometry, with assorted topics in Algebra 3 and the use of the graphing calculator also introduced.

**Activities:** Lectures and small group discussions

**Out of Class Time Required:** Minimum five hours per week

**Evaluation:** Performance on tests, quizzes, and homework

**Recommended Technology:** TI-83Plus or TI-84 Graphing Calculator

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**Title: PRE-CALCULUS / TRIGONOMETRY**

**Grade Level:** 11                      **Credit:** One                      **Length of Course:** One year

**Prerequisite:** Algebra 2

**Content:** This course is designed as a junior level math course for college-bound students. Topics in discrete mathematics and trigonometry are discussed. Extensive work beyond the text is required. A graphing calculator is needed for this course.

**Activities:** Lectures & small group discussions.

**Out of Class Time Required:** Minimum of five hours per week.

**Evaluation:** Tests, projects, and quizzes

**Recommended Technology:** TI-83Plus or TI-84 Graphing Calculator

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**Title: ADVANCED PLACEMENT CALCULUS**

**Grade Level:** 12                      **Credit:** One (weighted)    **Length of Course:** One year

**Prerequisite:** Pre-Calculus

**Content:** This class is a lecture-discussion type class containing Differential and Integral Calculus. Both theory and practical applications are included. Graphing of higher order functions and mathematical reasoning in three spaces is required. Prerequisites are four years of mathematics including algebra, geometry, theory of equations, logarithmic functions, polar equations, and trigonometry functions. Students may be granted college credit depending on the score they receive on the AP exam given in the spring and the policy of the university in which they enroll.

**Activities:** Lectures, projects, and small group discussions.

**Out of Class Time Required:** Minimum of ten hours per week

**Evaluation:** Tests, projects, and quizzes

**Recommended Technology:** TI-83Plus or TI-84 Graphing Calculator

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**Title: ADVANCED PLACEMENT STATISTICS**

**Grade Level:** 12                      **Credit:** One (weighted)    **Length of Course:** One year

**Prerequisite:** Grade of "C" or above in Algebra II/Teacher Recommendation

**Content:** AP Statistics is designed as an alternative to Algebra III/Trig and Pre-Calc for the college bound senior. This course will provide the senior student with a firm understanding of statistics including but not limited to data description techniques, frequency distributions, normal distributions, confidence intervals, and hypothesis testing. The graphing calculator is essential for mastery of these concepts. This course will prepare students for the AP Statistics examination.

**Activities:** Lectures, small group discussions, and projects.

**Out of class time required:** Minimum of five hours per week.

**Evaluation:** Performance on tests, quizzes, homework and projects. AP practice problems.

**Recommended Technology:** TI-83plus or TI-84 graphing calculator.

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**Title:** *STATISTICS in Sports*

**Grade Level:** 12

**Credit:** One

**Length of Course:** One year

**Prerequisite:** Passing grade in Algebra II

**Content:** This course teaches students how to use four-steps of the statistical process: ask questions, collect data, analyze data, and make conclusions in the context of sports. Each unit will begin with a sports-related statistical question (e.g. Is there a home field advantage in the NFL?) and then students will learn how to collect appropriate data, how to analyze the data, and how to make appropriate conclusions. Although the context of the examples and exercises will be sports related, the primary focus of the class will be to teach students the basic principles of statistical reasoning. Major statistical topics include: making appropriate graphical displays for univariate and bivariate data, both categorical and quantitative; calculating and interpreting summary statistics for univariate and bivariate data, both categorical and quantitative; least squares regression; the concept of independence; using simulations to estimate probability distributions; probability distributions, including the binomial and normal distributions; using probability distributions and expected value to evaluate strategy in sports; the logic of hypothesis testing, including stating hypotheses, calculating and interpreting p-values, drawing conclusions, and Type I and Type II errors; and proper methods of data collection, including sampling and experiments. Use of technology, including statistical software, online applets, and the graphing calculator will be prominent in the course. Students will also have to complete projects which require all 4 steps of the statistical process to be completed using data collected online or by the students themselves.

**Activities:** Lectures, small group discussions, and projects.

**Out of class time required:** Minimum of five hours per week.

**Evaluation:** Performance on tests, quizzes, homework and projects.

**Recommended Technology:** TI-83plus or TI-84 graphing calculator.

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## PHYSICAL EDUCATION DEPARTMENT

### **Title: PHYSICAL EDUCATION**

**Grade Level:** 9, 10, 11, and 12    **Credit:** One-Half    **Length of course:** One Semester

**Content:** Physical Education is a required course for all students at Sterling High School. Student must pass three credit hours or six semester of Physical Education. As a freshman, a student usually takes one semester of Physical Education and one semester of Health. As a sophomore, a student usually takes one semester of Physical Education and one semester of Driver's Education. Freshman and sophomores may, however, take Physical Education each semester if they wish. The coeducational program has an emphasis on lifelong physical activity and wellness with a major emphasis on personal physical fitness. Students will be exposed to various types of cardiovascular activities in a variety of settings. This will include use of technology (heart rate monitors, polar tri-fitt and new fitness machines). Students will also be exposed to the weight room, where they will learn a variety of methods of lifting and safety protocol that accompany those methods. The course will also allow an opportunity for the students to participate in a full range of activities including, but not limited to, individual and dual sports, team sports, field sports and rhythms. The final aspect of the Physical Education course will be a classroom component that will teach the students about various fitness concepts and skills that will promote lifelong fitness, while also reinforcing all the other aspects of the Physical Education program. This course is designed to facilitate the acquisition of new knowledge and skills, create interest and appreciation of movement and fitness and the opportunity to discover the joy and needs of physical activity and fitness, all leading to the mental, physical, social and emotional well-being of the individual.

**Evaluation:** Students take a semester course of Physical Education for each ½ credit. During this time they rotate through cardio activities, weight room, activity days and classroom days. Students are evaluated on daily participation, appropriate uniform, behavior, attitude, knowledge and skill. Since Physical Education is a participation based class all absences will affect their grades and students must make up missed days to earn back points. Uniforms include a PE shirt, shorts and tennis shoes. These official uniforms are available through the parent center at Sterling High School.

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### **Title: INDEPENDENT STUDY PHYSICAL EDUCATION**

**GradeLevel:** 10, 11, 12    **Credit:** one half    **Length of Course:** one semester

**Content:** Physical Education is a required course for all students at Sterling High School. The co-educational program has an emphasis on lifelong physical activity and wellness with a major emphasis on personal physical fitness. In their first two semesters of physical education at Sterling High School, students have been exposed to various types of cardiovascular activities in a variety of settings. Students have also been exposed to the weight room, where they have learned a variety of methods of lifting and safety protocol. In this independent study class, students are asked to activate this prior knowledge while working toward the goal of increased personal fitness.

**Prerequisites:** Must complete a minimum of 2 semesters of Physical Education at SHS with a grade of "C" or better.

**Activities:** Mandatory pre-and post-fitness testing completed by SHS physical education instructor.

**Out of class time required:** Minimum of 2 hours of documented work out time a week.

**Evaluation:** Students will be required to keep a Personal Fitness Log that must be signed off by approved SHS staff after each work out session. Grading scale for class is as follows: 50 hours and above = "A"; 40-49 hours = "B"; 30-39 hours = "C"; 20-29 hours = "D"; 19 hours and below = "F"

## SCIENCE DEPARTMENT

**Title:** *ENVIRONMENTAL EARTH SCIENCE*

**Grade Level:** 9, 10, 11, 12      **Credit:** One

**Length of Course:** One year

**Content:** A general survey studying the impact of environmental factors on organisms and the land. Topics may include mapping, geology, meteorology, ecology and environmental issues and society.

**Activities:** Laboratory investigations, field analysis of data, lectures, group work, movies, projects, research reports

**Out of Class Time Required:** Two to three hours per week

**Evaluation:** Completion of tests and of work assigned, lab reports, research reports, quizzes, and projects.

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**Title:** *ACCELERATED BIOLOGY*

**Grade Level:** 9      **Credit:** One      **Length of Course:** One year

**Prerequisite:** Teacher Recommendation from Eighth grade teacher. This is the first course in the Accelerated Science Sequence.

**Content:** An accelerated biological/environmental course designed to help prepare students for AP courses and other science courses. Topics include cellular studies, genetics, anatomy and physiology, survey of existing groups and environmental units.

**Activities:** Laboratory investigations, dissections, lectures, group work, movies, projects, and student reports

**Out of Class Time Required:** Minimum of three hours per week.

**Evaluation:** Completion of tests and work assigned, notebooks, lab reports, and quizzes

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**Title:** *BIOLOGY*

**Grade Level:** 9, 10, 11, 12      **Credit:** One      **Length of Course:** One year

**Content:** General survey studying the diversity and interrelationships of living things, population growth, anatomy, physiology, genetics, evolutionary theory, cell biology, and other life science topics.

**Activities:** Laboratory investigations, dissections, lectures, group work, movies, projects, and student reports.

**Out of Class Time Required:** Two to three hours per week, minimum

**Evaluation:** Completion of tests and of work assigned, lab reports, research reports, quizzes, projects

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**Title: PHYSICAL SCIENCE**

**Grade Level:** 10, 11, 12      **Credit:** One      **Length of Course:** One year

**Prerequisite:** Completed or be currently enrolled in Algebra 1; Cannot take if previously passed Chemistry or Physics.

**Content:** Physical Science is a full year laboratory course that deals primarily with topics of basic chemistry and physics. It is offered for better than average students who plan later to enroll in one or more of the advanced science courses of Advanced Life Science, Chemistry, or Physics.

**Activities:** Classroom presentations, conducting experiments, demonstrations, problem solving, and class discussion.

**Out of Class Time Required:** Minimum of two hours per week.

**Evaluation:** Lab reports, tests, quizzes, projects, and homework assignments.

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**Title: CHEMISTRY**

**Grade Level:** 10, 11, 12      **Credit:** One      **Length of Course:** One year

**Prerequisite:** Algebra 1, Physical Science or a B or above in Biology.

**Content:** Chemistry is concerned with all of the substances that make up our environment and with the changes that take place in these substances. Lab experiences provide the technical and manipulatory skills that are a prerequisite for many professions. The importance of chemistry to the consumer and its role in protecting the environment is integrated within the course. Some of the major topics covered are measurement, atomic theory, gases, equations, chemical calculations, mole concept, equilibrium, bonding, acids and bases.

**Activities:** Demonstrations, lab investigations, a variety of models and simulations, and class discussions.

**Out of Class Time Required:** Minimum of two to three hours per week

**Evaluation:** Performance on tests, quizzes, lab reports, and out-of-class assignments.

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**Title: ACCELERATED CHEMISTRY**

**Grade Level:** 10      **Credit:** One      **Length of Course:** One year

**Prerequisite:** Algebra 1

**Content:** This is the second course in the Science Accelerated sequence. Content similar to regular Chemistry course with appropriate adjustments for high ability students.

**Activities:** Demonstrations, lab investigations, a variety of models and simulations, and class discussion.

**Out of Class Time Required:** Minimum of two to three hours per week

**Evaluation:** Performance on tests, quizzes, lab reports, and out-of-class assignments.

**UPPER LEVEL SCIENCE COURSES: It is the philosophy of the Science Department that all students have a well rounded background in the natural and physical sciences. We recommend that students should have a year each of Biology, Chemistry, and Physics in their course plans before they repeat any of the disciplines—AP Biology, Chemistry 2 or AP Chemistry .**

**Title: PHYSICS (Dual Enrollment – PSY 175)**

***NOTE: If students choose to take the following class for dual-enrolled credit, students will not be scheduled into the class until they demonstrate proficiency on the ACT or Compass test as per Sauk’s requirements and provide proof of meeting those requirements to their counselors. Students are responsible for payment of tuition.***

**Grade Level: 11, 12      Credit: One (SHS) Four (SVCC)      Length of Course: One year**

**Prerequisite: Algebra 2 & Geometry; ACT standard score in Reading of 20 or above and 2 years of high school Algebra with grade of “C” or above.**

**Content: Study of the concepts of motion, force, energy, heat, light, sound, electricity, magnetism, nuclear and modern physics. This course is highly recommended for students who plan to major in any area of science. Students in this class have the option of earning dual enrollment credit through Sauk Valley Community College.**

**Activities: Classroom discussions, laboratory investigations, and application of mathematics to the solving of problems.**

**Out of Class Time Required: Minimum of two hours per week.**

**Evaluation: Performance on quizzes, lab reports, homework, and tests.**

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**Title: CHEMISTRY 2 (Dual Enrollment – CHE 103)**

***NOTE: If students choose to take the following class for dual-enrolled credit, students will not be scheduled into the class until they demonstrate proficiency on the ACT or Compass test as per Sauk’s requirements. Students are responsible for payment of tuition.***

**Grade Level: 11, 12      Credit: One (SHS) Four (SVCC)      Length of Course: One year**

**Prerequisite: One year of Chemistry & Algebra 2 or concurrent Algebra 2; ACT standard score in Reading of 20 or above.**

**Content: Chemistry 2 is a college level, second course in chemistry in which the principles of structure and reaction are emphasized. This course is directed towards the student who wants to prepare himself by studying content at the college level, but does not want to approach it at the rate it would be taught in the AP Chemistry class. Students in this class have the option of earning dual enrollment credit through Sauk Valley Community College.**

**Activities: Laboratory work is extensive and includes volumetric and gravimetric determinations as well as instrumental analyses.**

**Out of Class Time Required: Minimum two to three hours per week**

**Evaluation: Performance on homework, quizzes, lab reports, and tests**

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**Title: ADVANCED PLACEMENT CHEMISTRY**

**Grade Level:** 11, 12                      **Credit:** One (weighted)    **Length of Course:** One year

**Prerequisite:** One year of Chemistry, Biology & Algebra 2 or concurrent Algebra 2

**Content:** AP Chemistry is a course designed to be the equivalent of the general chemistry course usually taken during the first college year. Students may be granted college credit depending on the score they receive on the AP exam given in the spring and the policy of the university in which they enroll.

**Activities:** Laboratory work, discussions, problem solving activities.

**Out of Class Time Required:** It is assumed that the student will spend at least five hours a week in unsupervised individual study during the school year and will prepare themselves during the summer prior to taking the course by completing the pre-course assignments.

**Evaluation:** Performance on homework, quizzes, lab reports, and tests.

**Title: ADVANCED PLACEMENT BIOLOGY**

**Grade Level:** 10, 11, 12                      **Credit:** One (weighted)    **Length of Course:** One year

**Prerequisite:** One year of Chemistry, Biology & Algebra 2 or Concurrent Algebra 2.

**Content:** AP Biology is a course designed to be the equivalent of the general biology course usually taken during the first college year. Students may be granted college credit depending on the score they receive on the AP exam given in the spring and the policy of the university in which they enroll.

**Activities:** Laboratory work, discussions, problem solving activities.

**Out of Class Time Required:** It is assumed that the student will spend at least five hours a week in unsupervised individual study during the school year and will prepare themselves during the summer prior to taking the course by completing the pre-course assignments.

**Evaluation:** Performance on homework, quizzes, lab reports, and tests.

\* \* \* \* \*

## SOCIAL STUDIES DEPARTMENT

**Title: WORLD HISTORY**

**Grade Level:** 9                      **Credit:** One                      **Length of Course:** One year

One semester of this course or World Cultures is required as part of the two units of Social Studies credit necessary for graduation.

**Content:** This course is a study of the organization, historical development, and current status of various civilizations in the world other than the United States. Study areas for the first semester include the examination of early prehistoric man, original root civilizations, and the Middle Ages. Second semester topics include the development of civilization in the Middle East, Africa, South America, Asia, the Renaissance and Reformation, Exploration, French Revolution, Industrialization, Imperialism, World War I, World War II, and the world today.

**Activities:** Lectures, large and small group discussions, simulation games, films, library assignments and projects. Projects include book reports, film and television reviews, readings, art projects and surveys.

**Out of Class Time Required:** Varies

**Evaluation:** Regular tests, quizzes, projects, and seminar discussions.

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**Title: ACCELERATED WORLD HISTORY**

**Grade Level:** 9                      **Credit:** One                      **Length of Course:** One year

This course is the most rigorous alternative within the World Studies requirement. It is designed for the motivated and capable student who wants or needs a full credit of World Studies.

**Content:** The study of social, political and geographic changes in the world other than the U.S. Study areas for 1<sup>st</sup> semester include Native American cultures, development of world religions, Middle East Renaissance, Reformation, Exploration and Scientific Revolution. Study areas for 2<sup>nd</sup> semester include Industrialization, Imperialism, World War I, Russian Revolution, World War II and the world today.

**Activities:** Lectures, large and small group discussions, simulation games, films, library assignments, projects and geography assignments.

**Title: STATISTICAL ANALYSIS IN CURRENT EVENTS**

**Grade Level:** 10                      **Credit:** One-half                      **Length of Course:** One Semester

**Content:** The skills taught will include the reading skills of inferring the main idea of passages, using context clues to determine the meaning of unknown words, identifying details that support the author's purpose or message, identifying cause-effect relationships, and drawing generalizations using details that support the main ideas of a passage. Math skills taught will include working with estimation, using geometric formulas for computing land mass, solving arithmetic problems that involve rates, proportions, and percentages, reading tables and graphs, translating information into a table, graph, or diagram, and determining probability. Technology skills will include word processing, internet searching and reliability, graphing data, online test prep, introduction to graphic information systems (GIS), and using the internet to access satellite technology.

**Activities:** Labs, discussion, online skills testing, reading, math, and writing.

**Out of Class Time Required:** One to two hours per week.

**Evaluation:** Tests, quizzes, participation in class, and projects.

\*\*\*\*\*

**Title:** *ADVANCED PLACEMENT UNITED STATES HISTORY*

**Grade Level:** 11, 12

**Credit:** One (weighted)

**Length of Course:** One year

**Content:** The course is a survey of American History. Historical information is examined by means of an inquiry approach using the curriculum designated by Advanced Placement. Students may be granted college credit depending on the score they receive on the AP exam given in the spring and the policy of the university in which they enroll.

**Activities:** Will follow the recommendation of the Advanced Placement curriculum.

**Out of Class Time Required:** One to two hours per day is possible

**Evaluation:** Tests, quizzes, participation in class, and projects. It is recommended that the students take the Advanced Placement test for college credit at the end of this course.

\*\*\*\*\*

**Title:** *UNITED STATES HISTORY*

**Grade Level:** 11

**Credit:** One

**Length of Course:** One year

**Content:** The course is a survey of American History from the period of industrialization during the late 1800's to the present day. Historical information is presented in the "History Alive" curriculum which includes many student-centered activities that put students in historical situations. A major focus of the class is an effort to improve students' understanding of issues and the ability to think and reason critically.

**Activities:** Besides the above activities, slide lectures, group activities, discussions, and films are included.

**Out of Class Time Required:** Three to five hours a week will be the average.

**Evaluation:** All teachers use study guides for the readings, quizzes, tests, and cooperative group activities.

**Title:** *SOCIOLOGY*

**Grade Level:** 11, 12

**Credit:** One-half

**Length of Course:** One semester

**Prerequisite:** One-half unit in World Cultures or World History

**Content:** The course examines social life and behavior especially in relation to social systems and how they are affected by the people who participate in them. Students enrolled in this course will participate in the systematic study of human group behavior and the actions of the individuals who make up those groups. Emphasis will be placed on the following topics: (1) fundamentals of sociology (2) the nature of culture (3) conformity and deviance (4) roles, relationships and groups (5) the family (6) religion and education (7) government and economic systems (8) socialization (9) social movements and collective behavior (10) crime (11) social stratification and mobility.

**Activities:** Lecture-discussion, in/out class projects, small group assignments, individual reading/writing assignments, videos, experiments and simulations.

**Out of Class Time Required:** This will vary with the student's commitment and goals.

**Evaluation:** Grades are determined by student performance on tests, quizzes, experiments, projects, assignments, and class participation.

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**Title: GOVERNMENT**

**Grade Level:** 12

**Credit:** One-half

**Length of Course:** One semester

**Content:** In this course students investigate, evaluate, and employ the processes by which individuals participate in and influence government. Students also study the structure and function of the United States federal government and the government of the state of Illinois as preparation for the Constitution Test.

**Activities:** Students conduct research concerning public issues, present oral and written reports, use a decision making model to evaluate public issues, write legislation, and function as a classroom legislative body to accept or reject the proposed legislation. Students also function as legislators or concerned citizens who attempt to steer bills through a legislature composed of representatives of all government classes. A variety of activities including lectures, worksheets, group work, discussions, and debates are employed but active student participation in the political process is stressed.

**Out of Class Time Required:** While the time required for this course varies according to the interest and ability of the student, a minimum of three to five hours per week is generally required. Students are also required to attend two public meetings during the semester.

**Evaluation:** Research documents, position papers, quizzes, tests, and especially student participation.

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**Title: ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS**

**Grade Level:** 12

**Credit:** One half (weighted)

**Length of Course:** one semester

**Content:** The course is designed to give students an analytical perspective on government and politics in the United States. The course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. The curriculum used is designated by Advanced Placement. Students may be granted college credit depending on the score they receive on the AP exam given in the spring and the policy of the university in which they enroll.

**Activities:** Will follow the recommendation of the Advance Placement curriculum.

**Out of class time required:** One to two hours per day is possible.

**Evaluation:** Tests, quizzes, participation in class and projects. It is recommended that students take the Advanced Placement test for college credit at the end of this course.

**Title: ADVANCED PLACEMENT HUMAN GEOGRAPHY**

**GradeLevel:** 10-12

**Credit:** One (weighted)

**Length of Course:** One year

**Content:** The course is designed to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The curriculum used is designated by Advanced Placement. Students may be granted college credit depending on the score they receive on the AP exam given in the spring and the policy of the university in which they enroll.

**Activities:** Will follow the recommendation of the Advance Placement curriculum.

**Out of class time required:** One to two hours per day is possible.

**Evaluation:** Tests, quizzes, participation in class and projects. It is recommended that students take the Advanced Placement test for college credit at the end of this course.

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## **DUAL ENROLLED SOCIAL STUDIES**

**NOTE:** *Students are responsible for payment of tuition and purchase of textbooks. Students will be scheduled into the class until they demonstrate proficiency on the ACT or Compass test as per Sauk's requirements.*

**Title:** *PSY 103 – INTRODUCTION TO PSYCHOLOGY*

**Grade Level:** 12

**Credit:** One-half

**Length of Course:** One semester

**Prerequisite:** ACT standard score in Reading of 20 or above.

**Content:** Psychology is the science of brain, mind and behavior. The introductory course considers the nature of personality including attitudes and beliefs, defensive and coping behavior. Also considered are the processes of learning, memory, thinking and the nature of intelligence and creativity. Attention is given to the psychological measurement of individual differences and to the nature of drives, motives and emotions.

**Credit:** 3 semester hours of college credit from Sauk Valley Community College.

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## **SPECIAL EDUCATION DEPARTMENT**

The following are the courses offered at Sterling High School in the Special Education Department. The student's enrollment into one of these classes is determined by an Individual Education Plan, developed by special education teachers, parents, counselor and the student.

Intro to English/Reading  
English 1-2  
English 3-4  
Vocational Math  
Pre-Algebra  
Algebra I  
Geometry

Consumer Economics  
Government  
US History  
Statistical Analysis  
of Current Events  
Health

Biology  
Science Concepts  
Vocations  
Work Training  
TMH  
Life Skills

**2012-2013**  
**WHITESIDE AREA CAREER CENTER**  
**Course Descriptions**

*The following courses meet for two periods per day, all year, and earn two credits. Students may not drop a WACC course after the sixth day of school. Required course materials and fees are listed on pages 41-42.*

**Allied Health** is a one-year program offered to junior and senior students that are interested in pursuing a career in various medical fields. Students are in the classroom two days per week and at clinical sites the other days. Students participate in two to three clinical sites throughout the school year. Clinical sites include, but are not limited to, hospitals, clinics, long-term care facilities, chiropractors, veterinary clinics, physical therapists, etc. Students can practice in different areas of the medical field, such as Maternal-Child Nursing, Geriatrics, Emergency Nursing, Radiology, Dental Medicine, Veterinary Science, and more. Allied Health is a dual credit program, therefore students wishing to enroll in Allied Health are required to pass the SVCC reading exam, or earn a 20 or higher on the reading component of the ACT, or enroll in the Sauk Reading class. Due to the internship component of this program, students must also be recommended by his or her counselor. *6 Dual Credits with SVCC: 3 credits for Medical Terminology (NRS116) and 3 credits for Diet and Nutrition (NRS132)*

**Auto Service** is a one- or two-year program offered to junior and senior students. First year students will be building basic repair skills such as lubrication, brakes, engine tune up, suspension, fuel injection, computer controls, electrical systems, exhaust systems, transmissions and clutches, cooling systems, and heating and air conditioning. Second year students will learn engine rebuilding, transmission rebuilding, differential operation, engine diagnostics, and qualifying students can participate in work-based learning at various job sites in order to gain real world work experiences while going to school. Employment opportunities include quick lube, independent garages, new car and truck dealerships, auto parts counter person, agricultural mechanic, diesel mechanic, and motorcycle-snowmobile-ATV mechanic. *2 Dual Credits with Highland Community College in AUTM 138*

**Building & Construction Trades** is a one- or two-year program offered to junior and senior students. This course provides experiences related to the construction and maintenance of residential buildings and related fixtures. During the year, students will spend 80% of their time at a job site constructing or remodeling a residential house. The other 20% of the time students will be in the classroom. Instruction will include safety principles, framing, plumbing, wiring, roofing, installing insulation, dry wall, painting, pouring concrete, landscaping, estimating materials, blueprint reading, hanging cabinets, siding, hanging doors, heating and air conditioning, masonry, and finish work. Second year students are provided the opportunity to advance their skills in the construction trades. *6 Dual Credits with Highland Community College: 3 credits for MTEC 240 and 3 credits for MTEC 245. 3 Articulated Credits with SVCC: 3 credits for ELT 101 – Electrical Wiring*

**Commercial Food Service** is a one- or two-year program open to juniors and seniors. Students explore Culinary Arts, preparing food for a large number of consumers, and catering. Occupational skills taught include care and use of commercial equipment, food preparation, customer service, management, and nutrition. Students in this program will receive weekly hands-on experience in the WACC commercial kitchen and provide food services for the public. *No dual credit available.*

**Computer Technology** is a one-or-two year program offered to junior and senior students who want to work with the repair and networking of computers. Students entering this program will learn the essentials of repairing, maintaining, and

networking of computers for both home and small business environments. The latest methods of networking and configuring operating systems will be used in the class. Second year students will continue with courses exploring Microsoft Workstation Operating Systems, Server Operating Systems, and Linux Distributions. Qualified students will acquire the skills to potentially pass the CompTIA A+, Network+, Linux+, and/or Microsoft Certified Professional Certification. **6 Articulated Credits with SVCC: 2 credits for CIS168, 2 credits for CIS 169, and 2 credits for CIS 151 9 Dual Credits for second-year students with SVCC: 6 credits for CIS 299 and 3 dual credits in CIS 250.**

**Criminal Justice** is a one year program designed to train students in various aspects of law enforcement, criminal justice, and the legal system. Students will receive instruction in skills needed for careers in associated fields; e.g. police officers, prosecuting and defense attorneys, probation and parole officers, crime scene investigators, correctional officers, etc. Major objectives of the program include: history of law enforcement, constitutional law, Illinois law, courts and the legal system, communication and dispatch operations, report writing and records, criminal investigations, search and seizure, community relations, patrol functions, traffic investigations, corrections, private security operations, criminology, and other related areas. Role play scenarios are used to enhance the student's learning experiences and provide an introduction to practical experiences which might be expected in the field. **6 Articulated Credits with SVCC: 3 credits for CJS 101 and 3 credits for CJS 232.**

**Digital Media Arts** is a one to two year program offered to juniors and seniors. The classes are for visual and creative thinkers as well as computer geeks interested in cutting edge digital and media arts. The program offers the latest trends, techniques and technologies in the ever-evolving multimedia field. The wide variety of the curriculum provides opportunities to build skills for future success in careers as an illustrator, desktop publisher, photographer, graphic artist, digital video editor, studio staging director, film maker, computer animator, sound engineer, camera operator, web designer or other positions in the exciting and growing recording, entertainment and digital media arts and communications field. Students work at their own pace and get "hands-on" experience using state-of-the-art software, cameras, lighting, special effects, sound and broadcasting equipment. All classes begin each fall and spring semester and students take two classes per semester. Students completing a selection of eight classes (the equivalent of two years at WACC), will receive a Certificate in Graphic Design from Sauk Valley Community College. Students not able to complete the certificate requirements while attending WACC are invited to enroll at Sauk Valley Community College after high school to finish the certificate requirements if they so choose. Qualifying WACC students may earn up to 24 college credits taking the Digital Media Arts class. **27 Dual Credits with SVCC: ART 100-Media Arts, ART 103-Digital Photography, ART 105-Motion Graphics, ART 107-Digital Drawing, ART 231-Graphic Design, ART 236-Film and Video, ART 237-Image and Sound Recording, ART 238-Interactive Media Design, ART 299-Topics and Issues (3 credits per course = 27 total credits offered)**

**Early Childhood Education** is a one-or-two year program offered to junior and senior students. The courses include a study of growth and development; early childhood learning theories; types of early childhood programs; teaching methods and procedures; the role of the child care professional; and working with young children with special needs. This program provides preparation and a practicum for students interested in a variety of educational fields, such as; preschool teachers, teacher's aides, elementary teachers, speech/pathology teachers, and social workers. First year students will work on a weekly basis with children at our on-site laboratory called, "Kiddie Kampus Preschool." Second year students will work with a cooperating teacher at a work-base-learning site for three days a week during both semesters of the school year. This work-based learning site could be a daycare center, preschool program, elementary school, or a location specific to a students' career interest. (ie: special education, speech teacher, social worker) **6 Dual Credits with SVCC: 3 credits for ECE 110 for first year students, 3 credits for ECE 110 for second-year students. 6 Articulated Credits with SVCC: ECE 114 and ECE 115 offered alternatively over two years.**

**Fire Science** is a one year program offered to junior and senior students. This program is designed to prepare students for entry-level firefighter positions. Students will be engaged in classroom, online and guided practice activities using the essentials of fire, rescue, EMS and hazardous materials scene operations. Operational activities will include: Hazardous Materials, vehicle extrication, fire behavior, building construction, fire code enforcement, public education activities, use of

personal protective equipment, coordinated fire suppression activities, aerial/ ground ladder use, search, rescue, and fire service vehicle operator. This is a physically involved program that involves the development of leadership and communication skills through scenario based evolutions to prepare students for employment opportunities with local fire departments.

*Articulated and or dual credit is pending*

**Health Occupations-CNA** is a one-year program offered to junior and senior students that are interested in pursuing a career in the medical field. Upon completion of the Illinois Department of Public Health (IDPH) requirements, the students will be eligible to take the State Certified Nursing Assistant exam at the end of the school year. The students must meet the following criteria to be successful in Health Occupations I: 1) Achieve a C or better each quarter throughout the year on the coursework, 2) Be competent at the 21 skills in the laboratory and at the clinical site, 3) Have excellent attendance throughout the school year, and 4) Pass the criminal background check. Students must have an outstanding work ethic, be self-motivated, and take initiative to be successful in Health Occupations. Students will spend 40 hours at clinical sites while at WACC. ***9 Dual Credits with SVCC: 4 credits for NRS101, 1 credit for NRS 102, 4 credits for NRS103***

**Pre-Engineering and Design Technology** is a one or two-year program offered to junior and senior students. This program is designed to prepare a student to enter a wide variety of occupational careers by providing a foundation in mechanical engineering. Mechanical engineering is used in many different fields, such as aerospace, automotive, biomedical, industrial and naval, as well as the renewable energy industry becoming more prevalent in our area. This program will also help prepare students for a career in machining and related trades. Students will have the opportunity to explore a variety of topics during set periods of time in order to acquire several different skills. The program is divided into 8 units, including print reading, CAD (computer aided drafting), manual machines, CNC (computerized numerical control) machines, electricity, robotics, design, mechanics and competition. Second year students may select one or more of the above units on which to focus, depending upon their career choice. Learning to design and produce a unique product – from beginning to end – can be an exciting and rewarding process. ***3 Dual Credits available with Highland Community college: MTEC 151***

**Welding & Fabrication** is a one or two year program offered to junior and senior students. Welding and metal fabrication techniques will be taught through hands-on experience. Topics include various types of welding, machine operations, welding blueprints, and metallurgy principles. The second year will provide the student with the opportunity to obtain advanced training on components of welding and metal fabrication. ***2 Dual Credits with SVCC: WELD 106***

COURSE	DESCRIPTION	ADDITIONAL REQUIRED OPTIONS	
<b>AUTO SERVICE 1</b>	Lab Fee (workbooks, safety glasses, and other incidental items used to operate the class)		<b>\$25.00</b>
<b>AUTO SERVICE 2 and AUTO TECH WBL</b>	Lab Fee (workbooks, safety glasses, and other incidental items used to operate the class)		<b>\$25.00</b>
<b>*BUILDING TRADES 1</b>	25' Tape Measure		\$10.00
	Hammer		\$8.00
	Square		\$6.00
	Knife		\$3.00
	Nail Pouch		\$3.00
	Safety Glasses		\$3.50
			<b>\$33.50</b>
<b>*BUILDING TRADES 2</b>	Same as Building Trades 1 and:		
	Four-in-One Screwdriver		\$4.00
	Nail Set		\$3.00
	Chalk Line		\$4.00
			<b>\$11.00</b>
<b>*Early Childhood Education 1 &amp; 2</b>	Misc. Supplies		\$10 - \$15
	SVCC Workbook – 1 <sup>st</sup> Semester		\$28.00
	SVCC Workbook – 2 <sup>nd</sup> Semester		\$20.00
			<b>\$58 - \$63</b>
<b>*COMPUTER REPAIR &amp; MAINTENANCE</b>	Tool Kit (optional)	\$0.00	\$20.00 <b>\$20.00</b>
<b>*DRAFTING</b>	Math proficiency fee		\$30.00 <b>\$30.00</b>
<b>*FOOD SERVICE</b>	Supplies (aprons, latex gloves, hairnet, food supplies)		\$20.00
	State Certification Study Guide		\$1.00
			<b>\$21.00</b>
<b>*GRAPHIC ARTS</b>	X-acto Knife		\$4.00
	Photoprints (if student specializes in photography)	\$15 -\$75	
	Headphones		\$5.00
		<b>\$24 - \$84</b>	<b>\$9.00</b>
<b>HEALTH OCCUPATIONS 1</b>	Uniform (2 scrub tops with WACC patch)		\$30.00
	TB Test (2 step)		\$16.00
	Hepatitis Immunization (3 separate injections)	\$24.00	
	State Test (if requirements are met)		\$50.00
	CPR Training		\$15.00
	Criminal Background Check		\$15.00
		<b>\$150.00</b>	<b>\$126.00</b>
	<b>**All White Shoes Also Required**</b>		
<b>*HEALTH OCCUPATIONS 2</b>	Annual TB Test		\$8.00

<b>COURSE</b>	<b>DESCRIPTION</b>	<b>OPTIONAL</b>	<b>REQUIRED</b>
<b>*MACHINE TRADES</b>	Safety Glasses		\$3.50
	6" Scale		\$1.00
	Tape Measure		\$5.00
	Center Drill (3)		\$2.00
	Micrometer/Vernier Caliper		\$30.00
	Allen Wrench Set		\$3.50
			<b>\$45.00</b>
<b>*WELDING</b>	Safety Glasses		\$3.50
	Welding Hood (highly recommended)		\$20.00
	Tape Measure		\$5.00
	Welding Gloves		\$5.00
	Allen Wrench Set		\$3.50
	Long Sleeved Shirt or Shop Coat		
			<b>\$37.00</b>

**\*This is an estimated cost of items needed for this class. This is not a fee collected by the instructor.**

COURSE	DESCRIPTION	FEE
<b>BUSINESS TECHNOLOGY AND ARTS</b>		
3 D STUDIO 1 (CERAMICS)	Lab Fee and Supplies	\$35.00
3 D STUDIO 2 (CERAMICS)	Lab Fee and Supplies	\$35.00
WEB DESIGN	Lab Fee	\$35.00
MOTION GRAPHICS	Lab Fee	\$35.00
DIGITAL PUBLISHING	Lab Fee	\$35.00
DRAWING		
FOODS AND NUTRITION 1 AND 2	Food Supplies	\$35.00
DIGITAL DRAWING	Lab Fee	\$35.00
FILM AND VIDEO	Lab Fee	\$35.00
GRAPHIC DESIGN	Lab Fee	\$35.00
MEDIA ARTS	Lab Fee and Supplies	\$35.00
MULTIMEDIA	Lab Fee	\$35.00
PAINTING	Lab Fee	\$35.00
IMAGE AND SOUND	Lab Fee	\$35.00
DIGITAL PHOTOGRAPHY	Lab Fee and Supplies	\$35.00
3-DIMENSIONAL INDEPENDENT STUDY	Lab Fee	\$35.00
2-DIMENSIONAL INDEPENDENT STUDY	Lab Fee	\$35.00
2-DIMENSIONAL INDEPEND STUDY-Tech Zone	Lab Fee	\$35.00
<b>DRIVER EDUCATION</b>		
DRIVER EDUCATION	Lab Fee	\$250.00
	State Permit Fee	\$20.00
<b>PERFORMING ARTS</b>		
J/V AND VARSITY CHOIR	Participation Fee	\$55.00
CONTEMPORARY CHOIR		
BAND		
ORCHESTRA		
Students pay only \$55.00 per year regardless of the number of Performing Arts classes that they participate in.		
<b>SCIENCE</b>		
ACCELERATED BIOLOGY	Lab Fee	\$35.00
BIOLOGY	Lab Fee	\$35.00
PHYSICAL SCIENCE	Lab Fee	\$35.00
CHEMISTRY	Lab Fee	\$35.00
ACCELERATED CHEMISTRY	Lab Fee	\$35.00
PHYSICS	Lab Fee	\$35.00
CHEMISTRY 2	Lab Fee	\$35.00
ADVANCED PLACEMENT CHEMISTRY	Lab Fee	\$35.00
ADVANCED PLACEMENT BIOLOGY	Lab Fee	\$35.00