

# Wamego High School Courses 2019-2020

## ART, AV, and COMMUNICATIONS

### Drawing and Painting

**4551**

Beginning drawing and painting is a one-semester class built on the elements and principles of design. Students will develop an understanding and use of these elements and principles when creating compositions, through, skill development, individual projects, exposure to a variety of mediums and styles, and art history.

**Course Note:** Class Fee: \$25

**Credit:** 0.05

**Type:** Fine Arts

**Grade:** 9-12

### Advanced Drawing and Painting

**4552**

Advanced Drawing, & Painting is a one-semester class built on the elements and principles of design. Students will expand their knowledge of these elements and principles through individual projects and art history. Building on craftsmanship and, depth and layers of expression, this class takes the student to the next level of creativity. This class is needed before taking an Independent Study in Drawing and Painting.

**Course Note:** Class Fee: \$25

**Credit:** 0.05

**Type:** Fine Arts

**Grade:** 9-12

**Prerequisite:** 4551 - Drawing and Painting

### Sculpture & Ceramics I

**4553**

Beginning Sculpture & Ceramics is a one-semester course built on the elements and principles of design. This course is designed to develop the basic skills needed to become a proficient ceramicist. Students will experience a variety of hand-building techniques to foster their creativity.

**Course Note:** Class Fee: \$25

**Credit:** 0.05

**Type:** Fine Arts

**Grade:** 9-12

### Sculpture & Ceramics II

**4555**

Advanced Sculpture & Ceramics is a one-semester class built on the elements and principles of design. Students will expand their knowledge through learning the ceramic wheel and developing individual hand building projects, as well as multimedia sculptural projects. Building on craftsmanship, this class takes the student to the next level of expression and creativity. This class is needed before taking an Independent Study in Sculpture and Ceramics.

**Course Note:** Class Fee: \$25

**Credit:** 0.05

**Type:** Fine Arts

**Grade:** 9-12

**Prerequisite:** 4553 - Sculpture & Ceramics I

## ART, AV, and COMMUNICATIONS

### Photography

**4556**

Beginning photography is a one-semester class designed as an introduction to the 35 mm SLR manual camera and black and white photography. This class is solely a wet darkroom experience. Students will learn sound darkroom habits as well as creative techniques used by artistic photographers. This is a great class to take if you plan on doing any type of photography in the future.

**Course Note:** Class Fee: \$85. Students must provide a 35mm SLR Manual camera.

**Credit:** 0.05

**Type:** Fine Arts

**Grade:** 9-12

### Advanced Photography

**4557**

This class is an extension of the Beg. Photography class. Students will be building on their skills they learned in beginning photography. They will enhance their skills in the darkroom as well as artistic decisions with composition. Students will also learn advanced/alternative techniques that will enhance photographic creativity and learn to apply some digital alternatives to their work. This class is needed before taking an Independent Study in Photography.

**Course Note:** Class Fee: \$85. Students must provide a 35mm SLR Manual camera.

**Credit:** 0.05

**Type:** Fine Arts

**Grade:** 10-12

**Prerequisite:** 4556 - Photography

### Yearbook

Yearbook is a year-long course that produces a complete record of the school year. The class includes writing, design, photography, computer use, time management, and group dynamics. Students will use a scanner, digital camera, PhotoShop, and yearbook publishing software. In addition, business skills will be learned through ad sales and budgeting for the yearbook.

**Yearbook A** is the first semester of this year-long course.

**4112A**

**Yearbook B** is the second semester of this year-long course.

**4112B**

**Credit:** 0.05  
**each semester**

**Type:** Fine Arts or Elective

**Grade:** 9-12

**Other Requirements:** Application process and instructor permission.

**Corequisite:** If you take these courses, you must take both Yearbook A and Yearbook B

## CAREER & TECHNICAL EDUCATION (CTE)

### AGRICULTURE EDUCATION

#### Agriscience

This class is an introductory class to many occupational fields in agriculture. The class topics include: agricultural careers, leadership, FFA, plant science, animal science, welding, public speaking, entomology, etc. All competency areas are introductory levels. This class is very activity-based involving all of the areas mentioned above. Class Fees cover materials used. FFA Membership is also required.

**Agriscience A** is the first semester of this year-long course.

**4725A**

**Agriscience B** is the second semester of this year-long course.

**4725B**

**Course Note:**

Recommended for students interested in advanced HS agriculture courses.  
Additional cost of the course: \$20.00/year

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 9-12

**Corequisite:** If you take these courses, you must take both Agriscience A and Agriscience B

#### Animal Science

This class will cover animal science competencies including: animal nutrition, animal health, animal reproduction, animal care and maintenance, livestock selection, small animal care, genetics, anatomy, livestock judging, poultry judging, hands-on skills with livestock and livestock marketing.

**Animal Science A** is the first semester of this year-long course.

**4726A**

**Animal Science B** is the second semester of this year-long course.

**4726B**

**Course Note:**

Recommended for students interested in pre-veterinary medicine, Animal Science industry and students interested in animal production.

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

**Prerequisite:** Preferred Prerequisite: Agriscience

**Corequisite:** If you take these courses, you must take both Animal Science A and Animal Science B

#### Ag Welding

The first semester of the year course is devoted to basic fundamentals of welding. The students learn a number of welding processes and applications and will demonstrate this by constructing basic weld joints. Class operates in conjunction with demonstrations, guest presenters, and possible field trips. Second semester, students put their knowledge and skills toward construction of projects with instructor approval. Class fees help pay for shop consumables.

**Ag Welding A** is the first semester of this year-long course.

**4728A**

**Ag Welding B** is the second semester of this year-long course.

**4728B**

**Course Note:**

Additional cost of the course: \$30.00/year + project cost. Tape measure, gloves, safety, glasses, pliers needed.

**Credit:** 0.05  
**each semester**

**Type:** Elective - Dual Credit

**Grade:** 10-12

**Prerequisite:** Preferred Prerequisites: Agriscience and Drafting/CAD

**Corequisite:** If you take these courses, you must take both Ag Welding A and Ag Welding B

## CAREER & TECHNICAL EDUCATION (CTE)

### AGRICULTURE EDUCATION

#### Ag Welding II

This course is offered to provide students' knowledge and skills in the area of metal fabrication. In this class students will spend a majority of the year in project construction utilizing the skills learned in Ag Welding. Time will also be spent on marketing metal projects for sale. This class is scheduled concurrently with Ag welding. Class Fees help pay for shop consumables, students will pay for all materials used to build their projects.

**Ag Welding II A** is the first semester of this year-long course.

**4734A**

**Ag Welding II B** is the second semester of this year-long course.

**4734B**

#### Course Note:

Recommended for students interested in the engineering field or students wishing to enter the workforce at entry-level positions. Additional cost of the course: **\$30.00 + project cost**. Tape measure, gloves, safety, glasses, pliers needed.

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 11-12

**Prerequisite:** Ag Welding

**Corequisite:** If you take these courses, you must take both Ag Welding II A and Ag Welding II B

#### Horticulture

The horticulture class is an advanced course dealing with plants and plant production. The competencies include: plant propagation, landscaping, soil mediums and fertilizers, pruning and care of trees and shrubs, landscape design, plant stimulators and greenhouse operations. Additional activities: Working with a greenhouse facility to raise landscape plant materials and conducting a plant sale in the spring. Class Fees cover materials used.

**Horticulture A** is the first semester of this year-long course.

**4730A**

**Horticulture B** is the second semester of this year-long course.

**4730B**

**Course Note:** Additional cost of the course: \$20.00/year

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

**Prerequisite:** Preferred Prerequisite: Agriscience

**Corequisite:** If you take these courses, you must take both Horticulture A and Horticulture B

**CAREER & TECHNICAL EDUCATION (CTE)****AGRICULTURE EDUCATION****Ag Leadership and Communications**

The purpose of this course is to assist students in developing their knowledge, attitudes and skills regarding leadership development in an Ag setting. The goal is to encourage students to be knowledgeable, caring decision makers. Students will find opportunities to further develop their organizational skills by interacting not only with other class members, but also with other organizations, groups and activities. Students are in charge of organizational and school activities, are responsible for successfully organizing, conducting and evaluating the activities. This class can be taken during any block except Welding.

**Ag Leadership and Communications A** is the first semester of this year-long course. **4740A**

**Ag Leadership and Communications B** is the second semester of this year-long course. **4740B**

**Prerequisite:** Instructor permission

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 11-12

**CAREER & TECHNICAL EDUCATION (CTE)****CONSTRUCTION/DESIGN and PRE-CONSTRUCTION****Architectural Drafting****4719A**

A comprehensive course designed to instruct students in the basic skills of architectural design with emphasis on residential and light commercial applications. Each student will be required to draw a set of house plans.

**Course Note:** Only available in the fall semester

**Credit:** 0.05

**Type:** Elective

**Grade:** 10-12

**Prerequisite:** **Recommended:** Drafting/CAD

**Drafting/CAD**

A comprehensive course designed to instruct students in the areas of line construction, orthographic projection, isometric projection, nuts and bolts, sectioning, dimensioning and working drawings. The ten CAD systems will be demonstrated and used on a rotating basis. Students are required to develop and present projects using the decision-making process of identifying client concerns, goal setting, planning strategies, and follow-through.

**Drafting/CAD A** is the first semester of this year-long course. **4716A**

**Drafting/CAD B** is the second semester of this year-long course. **4716B**

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 9-12

**Corequisite:** If you take these courses, you must take both Drafting/CAD A and Drafting/CAD B

**CAREER & TECHNICAL EDUCATION (CTE)**  
**CONSTRUCTION/DESIGN and PRE-CONSTRUCTION**

**Woods I**

A comprehensive course designed to instruct students in the basic knowledge and skills required for cabinet making and furniture design.

**Woods I A** is the first semester of this year-long course.

**4705A**

**Woods I B** is the second semester of this year-long course.

**4705B**

**Course Note:**

Course fee: \$20.00/year **PLUS** cost of project. Safety glasses must be provided by the student. (Fees are due 1st semester and as needed for project.)

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 9-12

**Corequisite:**

If you take these courses, you must take both Woods I A and Woods I B

**Woods II**

This course is designed to continue woodworking fundamentals at a higher level and degree of workmanship in the construction of home furnishings. It is an advanced level application course designed to provide students with experience in constructing cases, cabinets, counters, furniture and interior woodwork.

**Woods II A** is the first semester of this year-long course.

**4706A**

**Woods II B** is the second semester of this year-long course.

**4706B**

**Course Note:**

Course fee: \$20.00/year **PLUS** cost of project; also needs Safety Glasses

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

**Prerequisite:**

4705 A & B - Woods I A and Woods I B

**Corequisite:**

If you take these courses, you must take both Woods II A and Woods II B

**Construction Exploration**

This construction course uses "hands-on" techniques to introduce students to the following skill areas: site preparation, carpentry, plumbing, mechanical, electrical, drywall, glazier, cabinetry, masonry, concrete finishing, heavy equipment and demolition. Safety, tools and related jobs will be covered in each unit. This class is limited to 10 students. To be eligible for this class, students must apply in the spring. Local contractors, who are experts in each field, help teach the class.

**Construction Exploration A** is the first semester of this year-long course.

**4715A**

**Construction Exploration B** is the second semester of this year-long course.

**4715B**

**Course Note:**

Additional course expenses: Students will be required to provide safety glasses, jeans without holes, and work boots (steel toe not required)

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 11-12

**Prerequisite:**

None - **Recommended:** Woods I

**Corequisite:**

If you take these courses, you must take both Construction Exploration A and Construction Exploration B

**CAREER & TECHNICAL EDUCATION (CTE)  
BUSINESS AND TECHNOLOGY**

**Raider Tech**

This is a computer graphics course that provides students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as Advertising/Marketing materials, TV/video, and business. Typical course topics include image manipulation and video creation using Adobe Products: PhotoShop, Light Room, InDesign, Illustrator, Premiere and Bridge.

**Raider Tech A** is the first semester of this year-long course.

**4804A**

**Raider Tech B** is the second semester of this year-long course.

**4804B**

**Credit:** 0.05  
**each semester**

**Type:** Elective - Fulfills the Computer Requirement for Graduation

**Grade:** 9-12

**Prerequisite:** 4804A - Raider Tech A must be taken before 4804B - Raider Tech B

**Business Finance & Economics**

**4410**

Business Economics integrates economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk). Students will also have the opportunity to earn their Certification in Financial Literacy by completing the EverFi Financial Literacy online modules. These modules will focus on banking, credit scores, insurance, credit cards, student loans, mortgages, taxes, stocks, savings and 401k's.

**Course Note:**

Recommended for students who:

- see the importance/benefits/relevance of managing their money well
- want to develop a better understanding of our national and global economy

**Credit:** 0.05

**Type:** Elective

**Grade:** 10-12

**Financial Literacy**

**4648**

Financial Literacy is a one-semester, required course that will educate high school students about sound money management skills and the financial planning process. It will help teens begin to develop positive behaviors necessary to attain financial maturity to achieve a secure future. Financial Literacy promotes out-of-classroom interaction with adult family members so students can learn first-hand how the skills they are learning are practiced in everyday life.

**Credit:** 0.05

**Type:** Fulfills the Financial Literacy Requirement for Graduation

**Grade:** 11-12

## CAREER & TECHNICAL EDUCATION (CTE) BUSINESS AND TECHNOLOGY

### Entrepreneurship

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

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**Entrepreneurship A** is the first semester of this year-long course.

**4824A**

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**Entrepreneurship B** is the second semester of this year-long course.

**4824B**

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### Course Note:

Recommended as a course for students who are:

- pursuing post-secondary professions where they may eventually own their own business (i.e., doctors, lawyers, dentists, veterinarians, auto body/mechanics, cosmetologists, accountants, engineers, architects, etc.)
- interested in learning more about the concepts of owning their own business and looking forward to working for themselves at some point in their careers

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

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### Corequisite:

If you take these courses, you must take both Entrepreneurship A and Entrepreneurship B

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### Emerging Technologies

This course will investigate a myriad of different web based tools such as blogging, wikis, social bookmarking, podcasting, digital imagery, and video streaming. Throughout this course participants will be exposed to Web 2.0 tools. They will determine which tools fit appropriately into classroom learning environments. They will discuss how to integrate the tools into the student learning process. They will discuss the ways students can use Web 2.0 tools safely. They will construct a project that will be used in their classroom and published on the World Wide Web as a model for students to adapt into a classroom.

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**Emerging Technologies A** is the first semester of this year-long course.

**4830A**

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**Emerging Technologies B** is the second semester of this year-long course.

**4830B**

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**Prerequisite:** 4804A and 4804B: Raider Tech A and B

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

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### Corequisite:

If you take these courses, you must take both Emerging Technologies A and Emerging Technologies B

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**CAREER & TECHNICAL EDUCATION (CTE)  
BUSINESS AND TECHNOLOGY**

**Accounting**

Accounting courses introduce and expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

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**Accounting A** is the first semester of this year-long course. **4832A**

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**Accounting B** is the second semester of this year-long course. **4832B**

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**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

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**Corequisite:** If you take these courses, you must take both Accounting A & Accounting B

**Advanced Accounting**

Advanced Accounting courses expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students learn how to apply standards auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Topics include principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process and further enhancement of accounting skills.

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**Advanced Accounting A** is the first semester of this year-long course. **4833A**

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**Advanced Accounting B** is the second semester of this year-long course. **4833B**

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**Prerequisites:** 4832A and 4832B: Accounting A and B

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 11-12

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**Corequisite:** If you take these courses, you must take both Advanced Accounting A and Advanced Accounting B

## CAREER & TECHNICAL EDUCATION (CTE) BUSINESS AND TECHNOLOGY

### Microsoft Certification

This course will cover the Microsoft Certified Application Specialist program. When students complete the course they will be competent to take the professional certification tests in Microsoft Office 2016 (Word, Excel, Access or PowerPoint). MCA Specialists are part of a global community of distinguished achievers. The Microsoft certification credential tells the world that you have demonstrated proficiency in the newest standards of the world's foremost desktop computing applications. Microsoft certifications (which are based on globally recognized standards) demonstrate computing skills and help advance career prospects in a competitive job market. Many employers in this area are looking for students with Microsoft Certified Application Specialist certifications.

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**Microsoft Certification A** is the first semester of this year-long course. **4837A**

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**Microsoft Certification B** is the second semester of this year-long course. **4837B**

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**Prerequisite:** 4804A: Raider Tech A

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

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**Corequisite:** If you take these courses, you must take both Microsoft Certification A and Microsoft Certification B

### Video Game Design

Game technologies represent the culmination of logic, sequence, tool utilization, and extension of skill. Programming process for this course will utilize all previously learned factors of programming logic, artistry, and interactivity.

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**Video Game Design A** is the first semester of this year-long course. **4829A**

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**Video Game Design B** is the second semester of this year-long course. **4829B**

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**Prerequisite:** 4804A and 4804B: Raider Tech A

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

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**Corequisite:** If you take these courses, you must take both Video Game Design A and Video Game Design B

**CAREER & TECHNICAL EDUCATION (CTE)  
BUSINESS AND TECHNOLOGY**

**Computer Programming**

Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the BASIC language, but other computer languages, such as Visual Basic (VB), Java, Pascal, C++, and COBOL, may be used instead. Initially, students learn to structure, create, document, and debug computer programs, and as they progress, more emphasis is placed on design, style, clarity, and efficiency. Students may apply the skills they learn to relevant applications such as modeling, data management, graphics, and text-processing.

**Computer Programming A** is the first semester of this year-long course. **4840A**

**Computer Programming B** is the second semester of this year-long course. **4840B**

**Prerequisite:** 4804A and 4804B: Raider Tech A

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

**Corequisite:** If you take these courses, you must take both Computer Programming A and Computer Programming B

**Web Page Design**

Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.

**Web Page Design A** is the first semester of this year-long course. **4828A**

**Web Page Design B** is the second semester of this year-long course. **4828B**

**Prerequisite:** 4804A and 4804B: Raider Tech A

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

**Corequisite:** If you take these courses, you must take both Web Page Design A and Web Page Design B

FACS - FAMILY AND CONSUMER SCIENCE  
EARLY CHILDHOOD DEVELOPMENT AND SERVICES

**Orientation to Early Childhood Development**

Child care courses provide students with knowledge about the physical, mental, emotional and social growth and development of children from birth through childhood. Main topics include the fundamentals of working with infants, toddlers, and older children; providing healthy environments; evaluating child care settings; and the practices, regulations, and opportunities in the child care industry. Often, child care courses provide students with practical experiences in a child care center. Advanced topics may include various learning theories; development of activities; operation of a child care center; recognition of childhood diseases, abuse and neglect; and first aid/emergency training.

**Orientation to Early Childhood Development A** is the first semester of this year-long course. **4612A**

**Orientation to Early Childhood Development B** is the second semester of this year-long course. **4612B**

**Course Note:** Course Fee: \$10.00/Year PLUS Additional cost of \$28.00 for American Red Cross Certification (Collected when enrolled in the 1st Semester class.)  
**Credit:** 0.05  
**each semester** **Type:** Elective **Grade:** 9-12

**Corequisite:** If you take these courses, you must take both Orientation to Early Childhood Development A and Orientation to Early Childhood Development B

**Career and Life Planning** **4622**

Family Living courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as social/dating practices, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, and the various stages of life. They may also cover topics related to individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner.

**Credit:** 0.05 **Type:** Elective **Grade:** 9-12

**Human Growth and Development** **4628**

In the Human and Development course, students learn about the physical, intellectual, emotional and social growth and development of infants, children, adolescence young adults and adults and their development across the life span.

**Credit:** 0.05 **Type:** Elective **Grade:** 9-12

FACS - FAMILY AND CONSUMER SCIENCE  
EARLY CHILDHOOD DEVELOPMENT AND SERVICES

### Foundations to Early Childhood Development

Child development classes provide students with knowledge about the physical, mental, emotional and social growth and development of children from conception to pre-school age, emphasizing the application of this knowledge in child care settings. These courses typically include related topics such as the appropriate care of infants, toddlers, and young children.

**Foundations to Early Childhood Development A** is the first semester of this year-long course. **4623A**

**Foundations to Early Childhood Development B** is the second semester of this year-long course. **4623B**

**Course Note:** Course Fee: \$10.00/Year PLUS Additional cost of \$28.00 for American Red Cross Certification (Collected when enrolled in the 1st Semester class.)

**Prerequisite:** 4612A and 4612B: Orientation to Early Childhood Development A and B or instructor approval

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

**Corequisite:** If you take these courses, you must take both Foundations to Early Childhood Development A & Foundations to Early Childhood Development B

### Early Childhood Application

This is the final course in the sequence for students interested in Early Childhood Development and Services Pathway. Students will work off-campus at a predetermined work site in the community. Emphasis in this course will be placed on applying knowledge and skills in the workplace setting. Students will be required to complete a lesson plan and portfolio notebook for CDA certification readiness. Wamego High School graduates who complete the courses in the Early Childhood Development Services Pathway are eligible for transfer college credit with Highland and Barton Community Colleges along with Pittsburg State University. School financial assistance is also available through the Kansas Work Force Apprenticeship Program.

**Early Childhood Application A** is the first semester of this year-long course. **4626A**

**Early Childhood Application B** is the second semester of this year-long course. **4626B**

**Prerequisite:** 4623A and 4623B: Foundations to Early Childhood Development A and B or instructor approval

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 11-12

**Corequisite:** If you take these courses, you must take both Early Childhood Application A and Early Childhood Application B

FACS - FAMILY AND CONSUMER SCIENCE  
EARLY CHILDHOOD DEVELOPMENT AND SERVICES

**Leadership Service in Action**

**4630**

Leadership Service in Action courses provide students with the opportunity to analyze real world issues of concern, refine an action plan and apply leadership, teamwork and decision making skills through civic engagement and service learning within Family and Consumer Sciences. The course promotes empowerment of students to assume advocacy roles in family, community and FCS/human services business and industry environments.

**Credit:** 0.05

**Type:** Elective

**Grade:** 10-12

FACS - FAMILY AND CONSUMER SCIENCE  
EVENT MANAGEMENT and RESTAURANT MANAGEMENT

**Nutrition and Wellness**

**4620**

This course includes a study of nutrition, food preparation, food safety, and personal overall wellness within the six areas of growth. The students will learn how to measure food correctly, use large and small kitchen equipment, and prepare a variety of foods. A complete meal will be prepared during the semester.

**Course Note:** Course Fee: \$10.00 for food expenses.

**Credit:** 0.05

**Type:** Elective

**Grade:** 9-12

**Culinary Essentials**

**4611**

This course is designed to give a thorough overview to the foodservice portion of the Restaurant and Event Management & Travel and Tourism Pathway. Topics covered in this course will include dry and moist heat food production methods, combination food production methods, cold food production, and basic baking techniques. Students will also learn about food safety and sanitation through ServSafe; a nationally recognized food safety training and certificate program accredited by American National Standards Institute and the Conference for Food Protection. Students will have the opportunity to be ServSafe certified.

**Course Note:** Course Fee: \$35.00 for food expenses.

**Credit:** 0.05

**Type:** Elective

**Grade:** 9-12

**Event Planning and Management**

**4618**

This course provides students with the knowledge and skills related to the event planning and implementation process. It will include establishing client relationships, the importance of communication, planning process resource management, quality service and how to handle staffing issues. Within this course students will plan, create and see an event through from start to finish.

**Prerequisite:** 4611 - Culinary Essentials

**Credit:** 0.05

**Type:** Elective

**Grade:** 10-12

**FACS - FAMILY AND CONSUMER SCIENCE**  
**EVENT MANAGEMENT and RESTAURANT MANAGEMENT**

**Culinary Arts I**

Culinary Arts I is a yearlong course designed to help high school student take their first real steps toward promising restaurant & foodservice careers. The course utilizes the "On Cooking" curriculum that is aligned with Flint Hills Technical College's curriculum. It is a practical curriculum that imparts real-world skills & food service concepts. It introduces students to concepts not found in more traditional programs—like information on professionalism, serving safe food, preventing accidents & injuries, writing and setting up menus, and equipment. Students will receive hands on training in cooking basics, breakfast foods, sandwiches, potatoes & grains: desserts & baked goods: meat, poultry, and seafood: and stocks, soups and sauces.

**Culinary Arts I A** is the first semester of this year-long course.

**4616A**

**Culinary Arts I B** is the second semester of this year-long course.

**4616B**

**Course Note:** Course Fee: \$45.00/Year

**Prerequisite:** 4611 - Culinary Essentials

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

**Corequisite:** If you take these courses, you must take both Culinary Arts I A and Culinary Arts I B

**Culinary Arts II**

**4621**

Culinary Arts II builds upon the Culinary Arts I course by expanding student knowledge, skills and practices. Whereas Culinary Arts I focused on beginning culinary skill development, Culinary Arts II expands those skills as well as adds topics such as event management, internal and external customer service and working with special dietary needs.

**Course Note:** Course Fee: \$35.00

**Prerequisite:** 4616A - Culinary Arts I A or 4616B - Culinary Arts I B

**Credit:** 0.05

**Type:** Elective

**Grade:** 11-12

**FACS - FAMILY AND CONSUMER SCIENCE**  
**FAMILY, COMMUNITY and CONSUMER SERVICES**

**Career Connections**

**4636**

Career Connections courses provide human services/family and consumer sciences related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to create field experiences and/or discussions related to human services/ family and consumer sciences occupational technical skills.

**Credit:** 0.05

**Type:** Elective

**Grade:** 11-12

**FACS - FAMILY AND CONSUMER SCIENCE**  
**FAMILY, COMMUNITY and CONSUMER SERVICES**

**Community Connections**

**4635**

Community Connections courses provide community based/school based learning experiences mainly within the family and consumer sciences classroom. Learning goals are set by the student, teacher and community partners to create experiences and/or discussions to enhance the development of the 21st century skills (i.e. leadership, empathy, communication, problem solving, cooperation, critical thinking, and resource management) needed to be successful in human services/family and consumer sciences related careers.

**Credit:** 0.05

**Type:** Elective

**Grade:** 11-12

**Family Studies**

**4615**

Family Studies helps the learner discover how parents and caregivers respond to the various stages of childhood and adolescence, and the aging process. Course includes the responsibilities and difficulties of parenthood across the life span, fundamentals of various ages and stages of child, adolescent and adult. Emotional, cognitive, and physical development and the appropriate care of infants, children and young adults and the aging process are addressed.

**Credit:** 0.05

**Type:** Elective

**Grade:** 9-12

**Leadership Service in Action**

**4630**

Leadership Service in Action courses provide students with the opportunity to analyze real world issues of concern, refine an action plan and apply leadership, teamwork and decision making skills through civic engagement and service learning within Family and Consumer Sciences. The course promotes empowerment of students to assume advocacy roles in family, community and FCS/human services business and industry environments.

**Credit:** 0.05

**Type:** Elective

**Grade:** 10-12

**FACS - FAMILY AND CONSUMER SCIENCE**  
**TEACHING/TRAINING**

**Teaching As a Career**

Teaching Profession courses introduce students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. these courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education.

**Teaching As a Career A** is the first semester of this year-long course.

**4631A**

**Teaching As a Career B** is the second semester of this year-long course.

**4631B**

**Prerequisite:**

Human Growth and Development or Instructor Permission

**Credit:** 0.05

**Type:** Elective

**Grade:** 11-12

**each semester**

**Corequisite:**

If you take these courses, you must take both Teaching As a Career A and Teaching As a Career B



**FACS - FAMILY AND CONSUMER SCIENCE  
TEACHING/TRAINING**

**Teaching Internship - Workplace Experience**

Education-Workplace Experience courses provide students with work experience in fields related to education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

**Teaching Internship - Workplace Exper. A** is the first semester of this year-long course. **4629A**

**Teaching Internship - Workplace Exper. B** is the second semester of this year-long course. **4629B**

**Course Note:** College transfer credit available through Highland Community College and Pittsburg State University.  
**Prerequisite:** Teaching As a Career A & B or Instructor Permission  
**Credit:** 0.05 **Type:** Dual Credit/Elective **Grade:** 12  
**each semester**

**Corequisite:** If you take these courses, you must take both Teaching Internship - Workplace Exper. A and Teaching Internship - Workplace Exper. B

**ENGLISH/LANGUAGE ARTS**

**English I**

English I is a full-year required course integrating language skills, written composition and a survey of literature. The primary vocabulary study will be Greek prefixes, suffixes, and roots.

**English I A** is the first semester of this year-long course. **4100A**

**English I B** is the second semester of this year-long course. **4100B**

**Credit:** 0.05 **Type:** Language Arts Graduation Requirement - 1st Year **Grade:** 9  
**each semester**

**Corequisite:** If you take these courses, you must take both English I A and English I B

**Accelerated English I**

Accelerated English I is designed specifically for the student who is considering Accelerated English II his or her sophomore year. This course covers an extensive writing unit focusing on how to write an in-class essay citing textual evidence, a research paper, and writing used in Accelerated English II. Independent reading will also be required with the study of a Shakespeare play, a Greek epic story The Odyssey, and other novels throughout the year. The primary vocabulary study will incorporate Greek prefixes, roots, and suffixes as well as an introduction to literary terms covered in the AP English classes.

**Accelerated English I A** is the first semester of this year-long course. **4124A**

**Accelerated English I B** is the second semester of this year-long course. **4124B**

**Credit:** 0.05 **Type:** Language Arts Graduation Requirement - 1st Year **Grade:** 9  
**each semester**

**Corequisite:** If you take these courses, you must take both Accelerated English I A and Accelerated English I B

## ENGLISH/LANGUAGE ARTS

### Practical English

A general English course integrating language skills, written composition, and a variety of literary types. Areas of writing include narrative, creative, descriptive, informative, persuasive, and technical. Reading and writing strategies to improve comprehension, fluency, and basic writing skills are also taught. You must be an identified student with an IEP to enroll in this course and the IEP must have decided it is an appropriate course.

**Practical English A** is the first semester of this year-long course.

**41010A**

**Practical English B** is the second semester of this year-long course.

**41010B**

**Course Note:** You must be an identified student with an I.E.P. to enroll in this course.

**Credit:** 0.05  
**each semester**

**Type:** Language Arts Graduation Requirement

**Grade:** 9-12

**Corequisite:** If you take these courses, you must take both Practical English A and Practical English B

### English II

English II is a yearlong course required for graduation. It is a literature-based course that integrates writing, language skills, and technology. Each quarter a novel or full-length play will be studied along with related short stories, poems, films, and essays. Areas of writing include narrative, creative, descriptive, informative, persuasive, and technical. The primary vocabulary study will center around Greek roots, prefixes, and suffixes. Two book reports, one each semester, are also part of the curriculum.

**English II A** is the first semester of this year-long course.

**4101A**

**English II B** is the second semester of this year-long course.

**4101B**

**Prerequisite:** English I or Accelerated English I

**Credit:** 0.05  
**each semester**

**Type:** Language Arts Graduation Requirement - 2nd Year

**Grade:** 10

**Corequisite:** If you take these courses, you must take both English II A and English II B

### Accelerated English II

Accelerated English II is designed specifically for the student who intends to enroll in AP English Language and Composition his/her junior year. The course covers American literature, and the research paper is one of the major projects. Extensive reading and writing will be required in the course, as well as an introduction to many literary terms covered at the AP level. A focus will be on developing a writing style and practicing in-class essays. Students who are looking for further challenges in the area of language arts should take this course.

**Accelerated English II A** is the first semester of this year-long course.

**4125A**

**Accelerated English II B** is the second semester of this year-long course.

**4125B**

**Prerequisites:** Sophomore status, "B" average or better in English I or instructor permission

**Credit:** 0.05  
**each semester**

**Type:** Language Arts Graduation Requirement - 2nd Year

**Grade:** 10

**Corequisite:** If you take these courses, you must take both Accelerated English II A and Accelerated English II B

## ENGLISH/LANGUAGE ARTS

### English III

English III is a full-year required course integrating language skills, written composition, and American literature. Through a chronological approach, American literature is integrated with writing. The course will include the study of *The Crucible* as well as other novels by American authors. The primary vocabulary study will center around Latin prefixes, roots, and suffixes.

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**English III A** is the first semester of this year-long course.

**4102A**

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**English III B** is the second semester of this year-long course.

**4102B**

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**Prerequisites:** English I and II or Acc. English I and II

**Credit:** 0.05  
**each semester**

**Type:** Language Arts Graduation Requirement - 3rd Year

**Grade:** 11

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**Corequisite:** If you take these courses, you must take both English III A & English III B

### AP English Language and Composition

AP English Language and Composition is a year-long course equivalent to a college composition course. Students complete reading from a variety of historical periods and disciplines, with a focus on non-fiction texts. Students will also extensively practice rhetorical analysis and write expository, analytical, and argumentative essays. Some summer reading and writing is required. Students are encouraged to take the AP Exam in May, and preparation for the exam is an integral part of the course. College and/or university credit may be awarded through successful completion of the exam.

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**AP English Language and Composition A** is the first semester of this year-long course.

**4126A**

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**AP English Language and Composition B** is the second semester of this year-long course.

**4126B**

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**Prerequisites:** Junior Status, "B" average in English II or Acc. English II or instructor permission

**Credit:** 0.05  
**each semester**

**Type:** Language Arts Graduation Requirement - 3rd Year

**Grade:** 11

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**Corequisite:** If you take these courses, you must take both AP English Language and Composition A & AP English Language and Composition B

### English IV

English IV is a yearlong course required for graduation. The course integrates informative, expository and technical writing; discussion; and the study of various works of British literature, including Shakespeare and novel units. Primary vocabulary will be a continuation of the study of Latin roots, prefixes, and suffixes.

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**English IV A** is the first semester of this year-long course.

**4103A**

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**English IV B** is the second semester of this year-long course.

**4103B**

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**Prerequisites:** English I, II, & III or equivalent

**Credit:** 0.05  
**each semester**

**Type:** Language Arts Graduation Requirement - 4th Year

**Grade:** 12

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**Corequisite:** If you take these courses, you must take both English IV A and English IV B

## ENGLISH/LANGUAGE ARTS

### English IV: Technical Reading and Writing

Technical Reading and Writing is a senior-level course offered for concurrent credit through Manhattan Area Technical College. This course is designed for students entering technical college, military, or the work force. This course does NOT meet the Board of Regent's requirements for four-year college admission.

**English IV: Technical Reading and Writing A** is the first semester of this year-long course. **4110A**

**English IV: Technical Reading and Writing B** is the second semester of this year-long course. **4110B**

#### Course Note:

This course does **NOT** meet Qualified Admission Standards for four-year public colleges. It is intended for students who are entering technical college, the workforce, or armed forces.

#### Prerequisites:

English I, II, & III or equivalent

**Credit:** 0.05

**each semester**

**Type:** Language Arts Graduation Requirement - 4th Year

**Grade:** 12

#### Corequisite:

If you take these courses, you must take both Technical Reading and Writing A and Technical Reading and Writing B

### AP English Literature and Composition

This is a college-level course that covers two semesters of college material in two high school semesters. Students will be expected to read extensively a variety of literature from various genres and time periods. Some summer reading is required. Emphasis will be placed on developing a strong writing style through timed writings and out-of-class essays. In addition, students will thoroughly study numerous literature terms. Students are encouraged to take the Advanced Placement exam in May, and preparation for the exam is an integral part of the course. College and /or university credit may be awarded through successful completion of the exam.

**AP English Literature and Composition A** is the first semester of this year-long course. **4127A**

**AP English Literature and Composition B** is the second semester of this year-long course. **4127B**

#### Prerequisites:

B or above grade average for preceding English courses or English III instructor recommendation

**Credit:** 0.05

**each semester**

**Type:** Language Arts Graduation Requirement - 4th Year

**Grade:** 12

#### Corequisite:

If you take these courses, you must take both AP English Literature and Composition A and AP English Literature and Composition B

**SPEECH/PERFORMING ARTS****Oral Communications****4111**

This course covers all aspects of oral communication. The student will be involved with public speaking, group discussion, listening skills, and interpersonal communication. This course emphasizes student performance and students will give at least five major speeches in addition to several practice speeches. This course is offered for 3 college credits of concurrent credit through Highland Community College for students in grades 10-12.

**Course Note:**

This course is offered for 3 college credits of concurrent credit through Highland Community College for students in grades 10-12.

**Credit:** 0.05**Type:** Oral Communications/Public Speaking Graduation Requirement**Grade:** 9-12**Non-Competitive Debate & Forensics****4123**

Non-Competitive Debate and Forensics is designed to help students gain an understanding of debate and forensics, while providing many opportunities to experience both activities. Students may choose to compete in forensics, but it is not a course requirement. The class explores several styles of debate, as well as all 10 forensics events. Students will sharpen their speaking and acting skills through a variety of presentations and performances. This class may be taken as a fine arts credit or a communications credit but not both.

**Credit:** 0.05**Type:** Oral Communications **OR** a Fine Arts Graduation Requirement**Grade:** 9-12**Forensics****4109B**

This course emphasizes competitive speech and drama. Students work on completing and performing speeches, scenes, or interpreting cuttings from plays or literature. All students will learn about and prepare each of the 10 events and understand the rules that govern them. A large part of this course is Saturday competition. Students must compete in at least 4 tournaments and run the home tournament. This class may be taken as a fine arts credit or a communications credit but not both.

**Credit:** 0.05**Type:** Oral Communications **OR** a Fine Arts Graduation Requirement**Grade:** 9-12**Drama I****4128**

This is a fine arts course that offers an overview of theater arts. Students will explore theater history, acting, production, as well as critique live performances. Students will have the opportunity to explore a variety of theatrical genres, as well as gain hands-on experience in many aspects of theater including design, construction, and costuming.

**Credit:** 0.05**Type:** Elective or Fine Arts Graduation Requirement**Grade:** 9-12**Drama II****4129**

This is a fine arts course that builds on skills gained in Drama I and offers an in-depth look at many aspects of theater arts. Students will analyze scripts for costuming, set-building, promotion, and all areas of production. The class will engage in performances, as well as critiquing live performances.

**Credit:** 0.05**Type:** Elective or Fine Arts Graduation Requirement**Grade:** 9-12**Prerequisite:**

4128 - Drama I

## MATHEMATICS

### Integrated Math I

Integrated Math I covers content from areas in algebra, geometry, statistics, and probability and lays the foundation for further study in those areas. Specific units include: patterns in data (tables, graphs, and statistics), patterns of change, linear models, patterns in space (involving shapes and transformations), exponential models, and simulation models. Students work cooperatively with other students as well as individually to conduct investigations, solve problems, analyze real-world data through graphical display and summary statistics, and connect mathematical ideas and applications. An important part of this curriculum is the regular use of a TI-83 or TI-84 graphing calculator.

**Integrated Math I A** is the first semester of this year-long course. **4313A**

**Integrated Math I B** is the second semester of this year-long course. **4313B**

**Course Note:**

Additional cost of the course: 3x5 spiral note cards, TI-83 or TI-84 graphing calculator is recommended but NOT REQUIRED.

**Credit:** 0.05  
**each semester**

**Type:** Mathematics Graduation Requirement

**Grade:** 9-12

**Corequisite:**

If you take these courses, you must take both Integrated Math I A and Integrated Math I B

### Integrated Math II

Integrated Math II continues to cover content from areas in algebra, geometry, statistics, and probability and lays the foundation for further study in those areas. Specific units include: matrix models, relationships among geometric shapes and their transformations, patterns of association (correlation between variables), power models (quadratics, square root and cube root relations, fractional powers and radical expressions), geometric form and its function (introduction to trigonometric functions, angular velocity and periodic change), patterns in chance (probability). Students work cooperatively with other students as well as individually to conduct investigations, solve problems, and analyze real-world problem situations and to connect mathematical ideas and applications. An important part of this curriculum is the regular use of a TI-83 or TI-84 graphing calculator.

**Integrated Math II A** is the first semester of this year-long course. **4314A**

**Integrated Math II B** is the second semester of this year-long course. **4314B**

**Course Note:**

Additional cost of the course: 3x5 spiral note cards, TI-83 or TI-84 graphing calculator is recommended but NOT REQUIRED.

**Credit:** 0.05  
**each semester**

**Type:** Mathematics Graduation Requirement

**Grade:** 9-12

**Corequisite:**

If you take these courses, you must take both Integrated Math II A and Integrated Math II B

## MATHEMATICS

### Integrated Math III

Integrated Math III covers content from areas in algebra, geometry, statistics and probability and lays the foundation for further study in those areas. Specific units include: Multi-variable models (topics include formulas, Law of Sines and Law of Cosines, systems of equations and inequalities); Modeling Public Opinion (topics include sampling, confidence intervals, and margin or error); Symbol Sense and Algebraic Reasoning (topics include domain and Range, use of polynomials, rational expressions, factoring, quadratic formula); Shapes and Geometric Reasoning (topics include proof, supplementary and vertical angles, angles formed from parallel lines cut by a transversal, and similarity and congruence); Patterns in Variation (topics include standard and normal distribution); and Families of Functions (topics include review of linear, polynomial, exponential, rational, and periodic functions and construction of rules for function tables, and graphs). Students work cooperatively with other students as well as individually to conduct investigations, solve problems, and analyze real-world problem situations and to connect mathematical ideas and applications. An important part of this curriculum is the regular use of a TI-83 or TI-84 graphing calculator.

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**Integrated Math III A** is the first semester of this year-long course. **4315A**

**Integrated Math III B** is the second semester of this year-long course. **4315B**

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**Course Note:**

Additional cost of the course: 3x5 spiral note cards, TI-83 or TI-84 graphing calculator is recommended but NOT REQUIRED.

**Prerequisite:**

4314 A & B - Integrated Math II

**Credit:** 0.05  
**each semester**

**Type:** Mathematics Graduation Requirement

**Grade:** 10-12

**Corequisite:**

If you take these courses, you must take both Integrated Math III A and Integrated Math III B

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## MATHEMATICS

### Integrated Math IV

Integrated Math IV is a pre-calculus course that continues to cover content from areas in algebra, geometry, statistics and probability and lays the foundation for further study in higher level mathematics. Specific units include: Transformations on graphs of functions and composition of functions Polynomial Models for functions and operations on Polynomials Factoring polynomials to find real and complex roots Analyzing rational functions and their graphs Operations on Rational Functions Exponential and Logarithmic Functions Permutations, Combinations, and Probability Binomial Theorem Introduction to Derivatives and Definite Integrals Trigonometric Reasoning using Trigonometric Identities Solving Trigonometric Equations Vector addition, subtraction, and scalar multiplication Modeling motion with Vectors Parametric Equations Students work cooperatively with other students as well as individually to conduct investigations, solve problems, and analyze real-world problem situation and to connect mathematical ideas and applications. An important part of this curriculum is the regular use of the TI-83 or TI-84 graphing calculator.

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**Integrated Math IV A** is the first semester of this year-long course. **4316A**

**Integrated Math IV B** is the second semester of this year-long course. **4316B**

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**Course Note:**

Additional cost of the course: 3x5 spiral note cards, TI-83 or TI-84 graphing calculator is recommended but NOT REQUIRED.

**Prerequisite:**

4314 A & B - Integrated Math II

**Credit:** 0.05  
**each semester**

**Type:** Mathematics Graduation Requirement

**Grade:** 11-12

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**Corequisite:**

If you take these courses, you must take both Integrated Math IV A and Integrated Math IV B

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### AP Calculus

Students will explore how limits are defined and calculated, how derivatives are used to measure rates of change, and what graphs tell us about the behavior of functions. Students will also study integration and its applications for finding lengths, area, volume, and predicting future events such as population growth and cost of living. Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college calculus course.

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**AP Calculus A** is the first semester of this year-long course. **4312A**

**AP Calculus B** is the second semester of this year-long course. **4312B**

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**Prerequisite:**

4316 A & B - Integrated Math IV

**Credit:** 0.05  
**each semester**

**Type:** Mathematics Credit or Elective

**Grade:** 11-12

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**Corequisite:**

If you take these courses, you must take both AP Calculus A and AP Calculus B

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## MATHEMATICS

### AP Statistics

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using population and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

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**AP Statistics A** is the first semester of this year-long course.

**4325A**

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**AP Statistics B** is the second semester of this year-long course.

**4325B**

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**Course Note:**

Students who successfully complete the course and examination may receive credit and/or advanced placement for a one-semester introductory college statistics course.

**Prerequisite:**

Completion of **OR** taken concurrently with 4316 A & B - Integrated Math IV

**Credit:** 0.05  
**each semester**

**Type:** Mathematics Credit or Elective

**Grade:** 11-12

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**Corequisite:**

If you take these courses, you must take both AP Statistics A and AP Statistics B

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### College Algebra

College Algebra will expose students to both routine and non-routine problems. Routine problems require basic algebraic skills. Non-routine problems require understanding of concepts. The course will focus on basic algebraic operations; linear and quadratic equations, inequalities, and graphs; algebraic, exponential, and logarithmic functions; and miscellaneous other topics. Students will work with more rigor using algebraic vocabulary, symbols, and notation.

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**College Algebra A** is the first semester of this year-long course.

**4326A**

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**College Algebra B** is the second semester of this year-long course.

**4326B**

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**Course Note:**

Students taking this course may choose to enroll in concurrent credit through Highland Community College. College credit will require payment of tuition and fees to HCC.

**Prerequisite:**

4316 A & B - Integrated Math IV

**Credit:** 0.05  
**each semester**

**Type:** Mathematics Credit or Elective

**Grade:** 11-12

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**Corequisite:**

If you take these courses, you must take both College Algebra A and College Algebra B

## MATHEMATICS

### Course Notes for the following classes: Technical Math I and Technical Math II

These are **NOT** introductory courses for those who need College Algebra. These courses are beyond graduation requirements. **MATC** offers two levels of credit for these courses.

1. Articulation Agreement: This is an option for a student who is planning to attend MATC after graduation. MATC will award college credit for the course to a student completing the course on our campus. This agreement will not require them to pay tuition for the course if they continue their education at MATC.

2. Concurrent Credit: This is an option for a student who in planning to enter one of the career fields that required this course, but is planning to attend a different school after high school graduation. In this option, the student is responsible for paying tuition to MATC in order to receive college credit for the course

### Technical Math I

**4327**

This 1st semester class is an overview of mathematics course that focuses on technical applications. Topics include basic quantitative problem solving, algebra with technical applications, measurement, proportions, and geometry. This course is designed to provide students with the mathematical background necessary for entering technical career fields. This course is designed for the student who is going to seek further education and training in a technical college and interested in the following fields: These fields include: Welding, Building Trades, Information Networking, Technology, Auto Collision and Technology, HVAC (Heating and Cooling), Digital Design and Drafting, Electrical Power and Distribution. This is a college level course for those interested in the trades with examples and applications in related fields. Students interests will be identified by the career inventories we do via Career Cruising. Please review the above course notes for this class.

**Credit:** 0.05

**Type:** Mathematics Credit or Elective

**Grade:** 12

### Technical Math II

**4328**

Offered 2nd semester, this is an algebra based mathematics course that focuses on technical applications. Topics include graphing linear equations, systems of linear equations, polynomials, factoring polynomials, quadratic equations, right triangle trigonometry and trigonometry with any angle. This course is designed to provide students with the critical thinking needed for solving complex technical problems. This is a college level course for those interested in the trades with examples and applications in related fields. Students interests will be identified by the career inventories we do via Career Cruising. Please review the above course notes for this class.

**Credit:** 0.05

**Type:** Mathematics Credit or Elective

**Grade:** 12

## MATHEMATICS

### Practical Math

A math course covering the content from areas in algebra, geometry, statistics, and probability. This is a course for students who need additional time and more targeted instruction in their math class. Students work cooperatively with other students as well as individually to conduct investigations, solve problems, and analyze real world problems.

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**Practical Math A** is the first semester of this year-long course.

**41020A**

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**Practical Math B** is the second semester of this year-long course.

**41020B**

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**Course Note:**

You must be an identified student with an IEP to enroll in this course, and the IEP team must have decided this is the appropriate math course.

**Credit:** 0.05  
**each semester**

**Type:** Mathematics Graduation Requirement

**Grade:** 9-12

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**Corequisite:**

If you take these courses, you must take both Practical Math A and Practical Math B

## MATHEMATICS LAB CLASSES - ELECTIVE CREDIT

### Integrated Math I Lab

Integrated Math I Lab is a course for students needing additional time and more targeted instruction in their math class. Students will complete the assigned homework from class, review the material that is currently being covered, practice for quizzes and tests, and preview material for upcoming classes. Student can also retake summative assessments during this time if necessary. The course is recommended for students needing additional support while learning math.

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**Integrated Math I Lab A** is the first semester of this year-long course.

**4317A**

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**Integrated Math I Lab B** is the second semester of this year-long course.

**4317B**

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**Course Note:**

You must be concurrently enrolled in Integrated Math I & have instructor permission to take this class.

**Credit:** 0.05  
**each semester**

**Type:** Elective Credit

**Grade:** 9

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**Corequisite:**

If you take these courses, you must take both Integrated Math I Lab A and Integrated Math I Lab B

## MATHEMATICS LAB CLASSES - ELECTIVE CREDIT

### Integrated Math II Lab

Integrated Math II Lab is a course for students needing additional time and more targeted instruction in their math class. Students will complete the assigned homework from class, review the material that is currently being covered, practice for quizzes and tests, and preview material for upcoming classes. Student can also retake summative assessments during this time if necessary. The course is recommended for students needing additional support while learning math.

**Integrated Math II Lab A** is the first semester of this year-long course. **4318A**

**Integrated Math II Lab B** is the second semester of this year-long course. **4318B**

**Course Note:** You must be concurrently enrolled in Integrated Math II & have instructor permission to take this class.

**Credit:** 0.05  
**each semester**

**Type:** Elective Credit

**Grade:** 10

**Corequisite:** If you take these courses, you must take both Integrated Math II Lab A and Integrated Math II Lab B

### Integrated Math III Lab

Integrated Math III Lab is a course for students needing additional time and more targeted instruction in their math class. Students will complete the assigned homework from class, review the material that is currently being covered, practice for quizzes and tests, and preview material for upcoming classes. Student can also retake summative assessments during this time if necessary. The course is recommended for students needing additional support while learning math.

**Integrated Math III Lab A** is the first semester of this year-long course. **4319A**

**Integrated Math III Lab B** is the second semester of this year-long course. **4319B**

**Course Note:** You must be concurrently enrolled in Integrated Math III & have instructor permission to take this class.

**Credit:** 0.05  
**each semester**

**Type:** Elective Credit

**Grade:** 11-12

**Corequisite:** If you take these courses, you must take both Integrated Math III Lab A and Integrated Math III Lab B

## SCIENCE

### Physical Science

This is a hands-on course! Students will measure, collect data and analyze it, observe, practice lab safety and apply the scientific method. Students will explore the how and why of science with the emphasis that science is a process, not just learned facts. There will be extensive lab work.

**Physical Science A** is the first semester of this year-long course.

**4237A**

**Physical Science B** is the second semester of this year-long course.

**4237B**

**Credit:** 0.05  
each semester

**Type:** Science Credit

**Grade:** 9

**Corequisite:**

If you take these courses, you must take both Physical Science A and Physical Science B

### Practical Science

A general science course covering the major areas of science focusing on the essential questions of each science strand. Students work cooperatively with other students as well as individually.

**Practical Science A** is the first semester of this year-long course.

**41030A**

**Practical Science B** is the second semester of this year-long course.

**41030B**

**Course Note:**

You must be an identified student with an IEP to enroll in this course, and the IEP team must have decided this is the appropriate science course.

**Credit:** 0.05  
each semester

**Type:** Science Credit

**Grade:** 9-12

**Corequisite:**

If you take these courses, you must take both Practical Science A and Practical Science B

### Biology

Biology is a general lab course covering major areas of life science. Lab investigations will play a major role in this course. Students will be expected to demonstrate their knowledge of course content in a variety of ways. Some major areas of emphasis include, but are not limited to, the following:

- Scientific Process Skills
- Cell processes
- Classification of living things
- Comparative anatomy
- Botany
- Cell structure and function
- Genetics
- Diversity of living organisms
- Zoology
- Ecology

**Biology A** is the first semester of this year-long course.

**4203A**

**Biology B** is the second semester of this year-long course.

**4203B**

**Prerequisite:**

None (recommended to be on grade level reading)

**Credit:** 0.05  
each semester

**Type:** Science Credit

**Grade:** 9-12

**Corequisite:**

If you take these courses, you must take both Biology A and Biology B

## SCIENCE

### Earth and Space Science

This course is designed to be a comprehensive study of the physical occurrences that shape our planet and universe.

**Earth and Space Science A** is the first semester of this year-long course.

**4239A**

**Earth and Space Science B** is the second semester of this year-long course.

**4239B**

**Credit:** 0.05  
**each semester**

**Type:** Science Credit

**Grade:** 9-12

**Corequisite:**

If you take these courses, you must take both Earth and Space Science A & Earth and Space Science B

### Chemistry

Chemistry is the study of matter, its composition and structure, and the changes it undergoes. The student who successfully completes this course will have a good foundation for the often-required college chemistry course, as well as a better understanding of what is happening in the world around them. Solid math skills are necessary for success in chemistry.

**Chemistry A** is the first semester of this year-long course.

**4205A**

**Chemistry B** is the second semester of this year-long course.

**4205B**

**Course Note:** Materials needed: Scientific calculator

**Prerequisite:** Biology **and** completion of/or concurrent enrollment of Integrated Math III

**Credit:** 0.05  
**each semester**

**Type:** Science Credit

**Grade:** 10-12

**Corequisite:**

If you take these courses, you must take both Chemistry A and Chemistry B

### Environmental Science

This course is designed to provide a better understanding of non-renewable resources, energy sources, recycling, water management, agriculture and land use, and their impact on ecology. Students are required to do a science research project and enter it into the Regional Science Fair. Field trips are extensions of the classroom.

**Environmental Science A** is the first semester of this year-long course.

**4238A**

**Environmental Science B** is the second semester of this year-long course.

**4238B**

**Prerequisite:** Biology

**Credit:** 0.05  
**each semester**

**Type:** Science Credit

**Grade:** 10-12

**Corequisite:**

If you take these courses, you must take both Environmental Science A and Environmental Science B

## SCIENCE

### Physics

Physics deals with the laws of matter and energy. These laws are used to explain the world around us. We study physics in theory, practicality (laboratory) and numerically. Strong math skills, including trigonometry, are necessary to complete this course successfully. It is recommended that chemistry be taken first. Considerable homework is a function of this course. The student who successfully completes this course will have a good foundation for college physics courses, as well as a better understanding of what is happening in the world around them.

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**Physics A** is the first semester of this year-long course.

**4206A**

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**Physics B** is the second semester of this year-long course.

**4206B**

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**Course Note:** Materials needed: Scientific calculator

**Prerequisite:** A "B" or higher in Integrated Math III, concurrent enrollment in or completion of Integrated Math IV, and a "B" or higher in Chemistry. Grade 11 (with instructor permission) and 12.

**Credit:** 0.05  
**each semester**

**Type:** Science Credit

**Grade:** 11-12

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**Corequisite:** If you take these courses, you must take both Physics A and Physics B

### Anatomy and Physiology

In this class students will gain a general introduction to the structure and function of the human body. Students will perform comparative dissection labs and use the microscope for more detailed study of minute structures. In addition students will explore new areas of biotechnology. Students interested in medical careers (nurse, doctor, physical therapist, dentist, optometrist, lab tech., x ray tech. etc.) are given a basic background for their area of interest.

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**Anatomy and Physiology A** is the first semester of this year-long course.

**4217A**

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**Anatomy and Physiology B** is the second semester of this year-long course.

**4217B**

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**Course Note:** Recommended for students interested in further biology investigations & /or health fields

**Prerequisite:** Biology and Chemistry (or instructor permission)

**Credit:** 0.05  
**each semester**

**Type:** Science Credit

**Grade:** 11-12

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**Corequisite:** If you take these courses, you must take both Anatomy and Physiology A & Anatomy and Physiology B

## SCIENCE

### Advanced Biology

This course is designed for students who have shown achievement in biology and chemistry and are considering a career in some facet of science. This course provides an in-depth study of unicellular and multicellular organisms, evolution, ecology, bioethics, genetics, botany, and zoology. Concepts explored in the classroom will be supported by laboratory investigations, appropriate technological applications, & various projects and activities.

**Advanced Biology A** is the first semester of this year-long course.

**4240A**

**Advanced Biology B** is the second semester of this year-long course.

**4240B**

**Prerequisite:** Biology and Chemistry

**Credit:** 0.05  
each semester

**Type:** Science Credit

**Grade:** 11-12

**Corequisite:** If you take these courses, you must take both Advanced Biology A and Advanced Biology B

### Advanced Chemistry

Advanced Chemistry will be open to juniors and seniors who have passed Chemistry. It is a fast moving class requiring out of class work. This course is a college-level introduction to chemistry. It is intended for those students majoring in technological and scientific fields such as engineering, pre-medical, pre-veterinary, pre-pharmacy, pre-dentistry, etc. It is also the prerequisite course for further chemistry studies in organic chemistry, biochemistry, etc. Emphasis will be placed on the study of chemical compounds, their properties and reactions, and the scientific laws which determine their behavior. Topics include basic chemical concepts, calculations with chemical formulas and equations, chemical reactions, thermochemistry, modern theories of the atom and electronic structure, chemical periodicity, and chemical bonds. This is the first semester of a two-semester sequence. Outside of this syllabus include such things as an intro to Organic Chemistry, VSEPR theory, and solution Chemistry.

**Advanced Chemistry A** is the first semester of this year-long course.

**4207A**

**Advanced Chemistry B** is the second semester of this year-long course.

**4207B**

**Course Note:**

Materials needed: Scientific calculator. Students taking this course may choose to enroll in concurrent credit through Highland Community College. College credit will require some additional course expectations as required by HCC, as well as payment of tuition and fees to HCC.

**Prerequisite:** Chemistry

**Credit:** 0.05  
each semester

**Type:** Science Credit

**Grade:** 11-12

**Corequisite:** If you take these courses, you must take both Advanced Chemistry A and Advanced Chemistry B



## SOCIAL STUDIES

### Practical Social Studies

A general social studies course covering the major areas of world history, geography, American history, and American government focusing on the essential questions of each social science strand. Students work cooperatively with other students as well as individually to conduct investigations, solve problems, and analyze real world issues.

**Practical Social Studies A** is the first semester of this year-long course.

**41042A**

**Practical Social Studies B** is the second semester of this year-long course.

**41042B**

#### Course Note:

You must be an identified student with an IEP to enroll in this course, and the IEP team must have decided this is the appropriate Social Studies course.

**Credit:** 0.05  
**each semester**

**Type:** Social Studies Graduation Requirement

**Grade:** 9-12

#### Corequisite:

If you take these courses, you must take both Practical Social Studies A and Practical Social Studies B

### Psychology

**4403**

This course will enable the student to know and understand him/herself better. Students will master concepts and theories in psychology and use these in everyday vocabularies. Subject areas include the following: understanding personality, abnormal behavior, motivations and emotions, human development, principles of learning and biological influences of behavior. Students will develop critical thinking skills and build on their writing, reading and discussion skills. An emphasis will be on the application of psychological concepts to students' own lives.

**Credit:** 0.05

**Type:** Social Studies Credit

**Grade:** 9-12

### Sociology

**4404**

This course will provide the student with insight into the various social pressures and structures from which he/she cannot escape. Students will better understand and cope with these realities of our society. The key insight of sociology is that all human behavior is social in some respect; in other words, it is influenced by other people. This will be the emphasis throughout this course. Study areas include the following: the five social institutions, social class, adolescence, crime and poverty.

#### Course Note:

This course is offered for 3 credit hours of concurrent credit through Highland Community College.

**Credit:** 0.05

**Type:** Social Studies Credit

**Grade:** 10-12

### Economics

**4409**

Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.

**Credit:** 0.05

**Type:** Social Studies Credit

**Grade:** 10-12

## SOCIAL STUDIES

### World History and Geography

World History and Geography is an introductory-level survey course that looks at how we arrived at our modern culture. The course begins with the basics of Geography, and tracks the history of "Western Civilization" since the time of the ancient Greeks. Students will learn how to interpret maps and visuals, read primary source documents, and think critically about the patterns of human behavior over the past millennia. This class is designed to form a working foundation for the higher level Social Studies courses.

**World History and Geography A** is the first semester of this year-long course.

**4406A**

**World History and Geography B** is the second semester of this year-long course.

**4406B**

**Credit:** 0.05  
**each semester**

**Type:** World History and Geography SS Graduation Requirement Credit

**Grade:** 9-12

**Corequisite:**

If you take these courses, you must take both World History and Geography A & World History and Geography B

### World History Honors

This full year course is designed for students willing to commit to a class that will challenge their analytical thinking and writing skills. The purpose of World History is to develop a greater understanding of how geography along with cultural institutions and beliefs shape the evolution of human societies. The course covers world history from the Classic Greek and Roman Civilizations to modern day. There will be a significant emphasis on reading critically and writing in this course. It is imperative that students understand that he/she will be responsible for all reading and writing assignments throughout the year. Assignments for each unit include primary source reviews, document-based essay and either a compare/contrast essay or a change-over-time essay. In addition, students complete chapter outline assignments and short answer analysis questions on readings. This course fulfills the World History & Geography requirement.

**World History Honors A** is the first semester of this year-long course.

**4407A**

**World History Honors B** is the second semester of this year-long course.

**4407B**

**Credit:** 0.05  
**each semester**

**Type:** World History and Geography SS Graduation Requirement Credit

**Grade:** 9-12

**Corequisite:**

If you take these courses, you must take both World History Honors A and World History Honors B

## SOCIAL STUDIES

### AP Psychology

The goal of this course is to increase the understanding of psychology, its methods, theory and research, with the objective that each student passes the Advanced Placement Examination in the spring. The course will explore the psychological facts, principles and phenomena associated with each of the major sub fields of psychology. This course is taught at the college level and student study habits and participation should reflect this fact. Emphasis will be placed on critical thinking and evaluation of materials. Students may earn 3 hours of college credit for successful Advanced Placement Examination scores.

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**AP Psychology A** is the first semester of this year-long course.

**4414A**

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**AP Psychology B** is the second semester of this year-long course.

**4414B**

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**Credit:** 0.05  
**each semester**

**Type:** Social Studies Credit

**Grade:** 10-12

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**Corequisite:**

If you take these courses, you must take both AP Psychology A and AP Psychology B

### AP European History

Advanced Placement (AP) European History is a year survey of modern European history from approximately 1450 to the present. In addition to providing a basic narrative of political and cultural events in modern Europe, AP European History will also focus on the development of skills used to analyze historical evidence. One objective of this course is for students to pass the national Advanced Placement European history test, by which they may earn 3 hours of college credit.

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**AP European History A** is the first semester of this year-long course.

**4425A**

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**AP European History B** is the second semester of this year-long course.

**4425B**

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**Credit:** 0.05  
**each semester**

**Type:** Social Studies Credit

**Grade:** 10-12

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**Corequisite:**

If you take these courses, you must take both AP European History A and AP European History B

## SOCIAL STUDIES

### American History

This course of study begins with a review of the major ideas, issues and documents of our nation's founding era. Students will then focus on the events of the late 19th century including imperialism, industrialization, and immigration. Units will follow concentrating on the critical events, people, groups, ideas, and issues of the period from 1900 to the present, including Progressivism, World War I, the 1920's, the Great Depression and New Deal, World War II and its aftermath, the Civil Rights Movement, Vietnam, and the Modern World, including the presidencies from Nixon to Obama, and the United States' response to globalization and international crises. The course will be rigorous and relevant, integrating thinking skills, historical processes, primary documents, and content so that students will be able to apply the learning to their own lives. Principles from the disciplines of history, economics, geography, civics and the humanities will be integrated throughout the course.

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**American History A** is the first semester of this year-long course.

**4405A**

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**American History B** is the second semester of this year-long course.

**4405B**

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**Credit:** 0.05  
**each semester**

**Type:** American/US History Graduation Requirement Credit

**Grade:** 11

**Corequisite:**

If you take these courses, you must take both American History A and American History B

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### AP American History

This college level class covers two college semesters in two high school semesters. Students need strong reading, writing and analytic skills. Second semester enrollment is based upon successful completion of first semester course requirements. One objective of this course is for students to pass the national Advanced Placement United States History examination, by which students may earn up to 6 hours college credit. Students are strongly encouraged, but are not required, to purchase texts.

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**AP American History A** is the first semester of this year-long course.

**4416A**

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**AP American History B** is the second semester of this year-long course.

**4416B**

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**Credit:** 0.05  
**each semester**

**Type:** American/US History Graduation Requirement Credit

**Grade:** 11

**Corequisite:**

If you take these courses, you must take both AP American History A and AP American History B

## SOCIAL STUDIES

### American Government

4408

American Government will begin with a detailed look at the U.S. Constitution. An in depth look at the three branches of government will then spring from this knowledge base. The electoral process, taxation process and the structure of federal bureaucracy will also be detailed.

**Prerequisite:** American History

**Credit:** 0.05

**Type:** American/US Government Graduation Requirement Credit

**Grade:** 12

### AP Government

This college level class covers one college semester in two high school semesters. Students need strong reading, writing and analytic skills. Second semester enrollment is based upon successful completion of first semester course requirements. One objective of this course is for students to pass the national Advanced Placement examination, by which students may earn up to 6 hours college credit. This course may be substituted for the required 1 semester American Government course.

**AP Government A** is the first semester of this year-long course.

4419A

**AP Government B** is the second semester of this year-long course.

4419B

**Course Note:** Must pass 1st semester to continue in 2nd semester

**Prerequisite:** American History or AP American History

**Credit:** 0.05

**each semester**

**Type:** American/US Government Graduation Requirement Credit

**Grade:** 12

**Corequisite:**

If you take these courses, you must take both AP Government A and AP Government B

## WORLD LANGUAGE

### Spanish I

This first year class offers an introduction to the Spanish language. Spanish one is designed for students to acquire the basics of the Spanish language. The emphasis is on understanding, reading, writing, and speaking Spanish at a novice low to mid-level.

**Spanish I A** is the first semester of this year-long course.

4900A

**Spanish I B** is the second semester of this year-long course.

4900B

**Course Note:** Recommended for students interested in learning basic communication skills in Spanish.

**Credit:** 0.05

**each semester**

**Type:** Elective, fulfills partial requirement for KS State Scholar Curriculum

**Grade:** 9-12

**Corequisite:**

If you take these courses, you must take both Spanish I A and Spanish I B

## WORLD LANGUAGE

### Spanish II

Spanish II continues the study of the Spanish language and cultures. Students work to increase their speaking proficiency to novice high. Students continue to acquire the language through reading, writing and authentic cultural experiences. Recommended for students interested in being able to speak Spanish more fluently.

**Spanish II A** is the first semester of this year-long course.

**4904A**

**Spanish II B** is the second semester of this year-long course.

**4904B**

**Course Note:**

Students may enroll for 5 credit hours of concurrent credit Spanish I through Highland Community College

**Prerequisite:**

Spanish I

**Credit:** 0.05  
**each semester**

**Type:** Elective, fulfills partial requirement for KS State Scholar Curriculum

**Grade:** 10-12

**Corequisite:**

If you take these courses, you must take both Spanish II A and Spanish II B

### Spanish III

Spanish III builds on the study of the Spanish language and culture. More time is spent in conversational Spanish. Culture and history are emphasized, but more time is spent practicing speaking and understanding the structure of the language as well as reading Spanish Literature. Recommended for students that would like to speak a second language, or major or minor in Spanish at the university level.

**Spanish III A** is the first semester of this year-long course.

**4905A**

**Spanish III B** is the second semester of this year-long course.

**4905B**

**Course Note:**

Students may enroll for 5 credit hours of concurrent credit Spanish II through Highland Community College

**Prerequisite:**

Spanish II

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 10-12

**Corequisite:**

If you take these courses, you must take both Spanish III A & Spanish III B

### Spanish IV

Spanish IV is a college prep level class. Students will increase their understanding of the Spanish language through speaking, reading, and writing. There will be a stronger focus on the fundamentals of language analysis. Some AP Spanish curriculum will be incorporated in the course. The goal of this class is to prepare students to test out of basic Spanish classes at the collegiate level.

**Spanish IV A** is the first semester of this year-long course.

**4906A**

**Spanish IV B** is the second semester of this year-long course.

**4906B**

**Course Note:**

Recommended for all students that would like to speak and understand a second language more proficiently, or major or minor in Spanish at the university level.

**Prerequisite:**

Spanish III

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 11-12

**Corequisite:**

If you take these courses, you must take both Spanish IV A & Spanish IV B

PHYSICAL EDUCATION

P.E.

PHYSICAL EDUCATION & HEALTH:

This is a required course which should be completed by the sophomore year. This course consists of physical education concepts and activities including team games, individual activities, rhythmic activities and health. Health units will be incorporated into the physical education class throughout the school year. The health units will consist of nutrition, human sexuality education and CPR/First Aide. Students will gain a better understanding of the dynamics of nutrition and human sexuality, including discussions of abstinence, prevention of pregnancy, sexually transmitted diseases, HIV/AIDS, rape/abuse and common concerns of adolescents. Students will be given fitness and skills testing and written tests. During the health unit students can expect lectures, hands on activities and written tests over the material covered.

**P.E. A** is the first semester of this year-long course.

**4500A**

**P.E. B** is the second semester of this year-long course.

**4500B**

**Course Note:** Additional Course Fees: Towel Fee per year: \$8.00 **PLUS** purchase and wear red PE shirt

**Course Note:** COURSE OBJECTIVES: This course is designed to create/maintain an active and healthy lifestyle. To achieve this, various activities will be introduced. This introduction will include how to exercise properly, why exercise and fitness are important, and what each person's individual exercise and fitness needs are. It is a goal of this class to present the opportunities for students to improve and continue to promote a healthy active lifestyle for years to come.

**Course Note:** STUDENT OUTCOMES: Students will be more aware of their own fitness level and health habits. They will also be familiar with methods to maintain and improve these conditions. Students will maintain or improve health-related fitness components of flexibility, strength, and cardiovascular fitness.

**Credit:** 0.05  
**each semester**

**Type:** Fulfills Physical Education and Health Graduation Requirement

**Grade:** 9-10

**Corequisite:** If you take these courses, you must take both P.E. A and P.E. B

**Practical P.E.**

This course is designed to create and maintain health related fitness components of flexibility, cardiovascular fitness, muscle strength, and endurance. It is the goal of this class to present students with the opportunity to improve and continue a healthy lifestyle. Students will learn safety rules to follow in the weight room and demonstrate proper lifting techniques and behaviors in a fitness setting. You must be an identified student with an IEP to enroll in this course whose team has decided this is the appropriate course.

**Practical P.E. A** is the first semester of this year-long course.

**41001A**

**Practical P.E. B** is the second semester of this year-long course.

**41001B**

**Course Note:** Students must be identified and on I.E.P. to enroll in this class

**Credit:** 0.05  
**each semester**

**Type:** Fulfills Physical Education and Health Graduation Requirement

**Grade:** 9-12

## PHYSICAL EDUCATION

### Weights

This course is designed to develop health and wellness through the improvement of strength, speed, explosiveness, agility, coordination, conditioning, and flexibility. Health & Performance will help students understand the benefits of resistance training on their overall health. Health & Performance has a positive impact on weight control, cardiovascular health, reducing injury, strengthening mental health, and developing resiliency. In order to take consecutive semesters a student must pass the previous semester with a B- or higher.

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**Weights A** is the first semester of this year-long course.

**4501A**

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**Weights B** is the second semester of this year-long course.

**4501B**

### Course Note:

COURSE OBJECTIVES: The objective of this class is to develop health and wellness through improvement of strength, speed, explosiveness, agility, coordination, conditioning and flexibility. The staff will enhance each individual student's potential through a structured program that includes all aspects of development and injury prevention.

**Credit:** 0.05  
**each semester**

**Type:** Elective

**Grade:** 9-12

**Prerequisite:** P.E. or concurrent enrollment with P.E.

### Outdoor Recreation

**4505A**

Enrich your life, expand your horizons and strengthen your body and mind. Students enrolled in this class will learn new skills, gain practical knowledge and experience the wonders of the great outdoors ... all while having fun and being physically active. This course consists of an introduction to a variety of outdoor recreation skills and activities associated with the natural environment. Such activities include: team building, washers,/bocce ball, fishing, geocaching, hiking, knot tying, mountain biking, hacky sack, disc golf, and archery. This course emphasizes participation and leadership in "lifetime leisure" outdoor recreational activities. Students enrolling in this course must be responsible mature young adults due to the activities in this course (ex. Archery). Class is limited to 20 students.

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**Course Note:** Fall Semester Only: **Other Requirements:** Purchase and wear grey PE shirt

**Credit:** 0.05

**Type:** Elective

**Grade:** 10-12

**Prerequisite:** P.E.



**PHYSICAL EDUCATION**

**Lifetime Fitness**

**4506B**

This course is designed to create/maintain an active and healthy individual lifestyle. To achieve this, various activities will be introduced. This information will include how to exercise properly, why exercise and fitness are important, and what each person's individual exercise and fitness needs are. It is the goal of this class to present the opportunities of improved health so students will continue to be active and live healthy lifestyles once the class has ended. Lifetime Fitness class is attempting to promote just what its course title suggests; active healthy lifestyles.

**Course Note:** Spring Semester Only: **Other Requirements:** Purchase & wear grey PE shirt

**Credit:** 0.05

**Type:** Elective

**Grade:** 10-12

**Prerequisite:** P.E.

**MUSIC**

**Jazz Band A and B**

**4750A & B**

Jazz band meets during Zero hour on White days (Monday and Wednesday or Tuesday and Thursday). Jazz band is open to any band student that is interested in performing jazz and learning about the development and major artists of this original American art form. We perform styles of music ranging from traditional swing band to rock and Latin styles. Jazz band meets all year and performs at local events, jazz festivals throughout the state, and various school concerts and events.

**Credit:** 0.05

**Type:** Fine Arts or Elective Credit

**Grade:** 9-12

**Prerequisite:** Three years of instrumental music instruction

**Band**

Any student with instrumental music background is encouraged to participate in the band. Enrollment in the fall involves performing in marching band until October, at which point we switch over to concert band. The marching band performs for home football games, marching band festivals, parades and is also the group that travels on our big trip every four years. Enrollment in the spring involves performing in concert band for concerts and musical festivals throughout second semester. Enrollment in concert band is also a pre-requisite for performing with the basketball pep band. Freshmen are especially encouraged to enroll for the full year.

**Band A** is the first semester of this year-long course.

**4752A**

**Band B** is the second semester of this year-long course.

**4752B**

**Credit:** 0.05  
**each semester**

**Type:** Fine Arts or Elective Credit

**Grade:** 9-12

**Prerequisite:** At least 2 years previous Band experience. Less than 1 full year enrollment requires instructor permission.

## MUSIC

### High Voltage

This class is designed for singers who are interested in performing challenging popular and vocal jazz music.

**High Voltage A** is the first semester of this year-long course.

**4753A**

**High Voltage B** is the second semester of this year-long course.

**4753B**

**Course Note:** Additional cost of course (required uniform)

**Prerequisite:** Audition for director

**Credit:** 0.05

**each semester**

**Type:** Fine Arts or Elective Credit

**Grade:** 9-12

**Corequisite:**

If you take these courses, you must take both High Voltage A and High Voltage B

### Concert Choir

The Concert Choir performs a wide variety of music. There are several concerts throughout the year. The choir, small ensembles, and soloists chosen from the choir, participate in music contest in the spring. Enthusiasm, dedication and the desire to achieve high standards are a must. This course is designed for people who like to sing, and who are willing to work toward performance goals of concerts and contests.

**Concert Choir A** is the first semester of this year-long course.

**4755A**

**Concert Choir B** is the second semester of this year-long course.

**4755B**

**Prerequisite:** Previous Choral experience is preferred

**Credit:** 0.05

**each semester**

**Type:** Fine Arts or Elective Credit

**Grade:** 9-12

**Corequisite:**

If you take these courses, you must take both Concert Choir A and Concert Choir B

## ADDITIONAL COURSE OFFERINGS

### HELP

HELP is a structured study hall for students who struggle with organization or academics. Students will be required to work on their core courses as directed by the teacher. The HELP teacher works closely with other teachers to stay aware of upcoming projects and tests. Students are generally recommended by a teacher for HELP class.

**HELP A** is the first semester class offering of this course.

**4928A**

**HELP B** is the second semester class offering of this course.

**4928B**

**Credit:** 0.05

**each semester**

**Type:** Elective

**Grade:** 9-12

## ADDITIONAL COURSE OFFERINGS

### Practical Work Tech

This is an elective course for students to receive instruction on skills necessary to gain employment. Students may complete interest inventories, personality assessments, create work-related documents such as a resume, and practice skills for interviewing. Students will have the opportunity to obtain job placements either at school or in the community to practice job skills. Students must be identified with an IEP to enroll in this course and the IEP team must have determined this is an appropriate course.

**Practical Work Tech A** is the first semester class offering of this course.

**41049A**

**Practical Work Tech B** is the second semester class offering of this course.

**41049B**

**Course Note:** You must be an identified student with an I.E.P. to enroll in this course.

**Credit:** 0.05  
each semester

**Type:** Elective

**Grade:** 9-12

### Strategic Reading

Strategic Reading is intended to improve a student's vocabulary, critical-thinking and analysis skills, as well as reading rate and comprehension level. The course will emphasize both works of fiction, as well as nonfiction (including textbooks). The course will emphasize strategies for note-taking as well as understanding and evaluating the important points of a text.

**Strategic Reading A** is the first semester class offering of this

**4104A**

**Strategic Reading B** is the second semester class offering of this course.

**4104B**

**Course Note:** May be repeated for additional credits pending instructor approval

**Prerequisite:** Subject to Instructor analysis of AIMSweb and MAP test scores, Instructor Permission

**Credit:** 0.05  
each semester

**Type:** Elective

**Grade:** 9-12

### Study Skills

This course is designed to assist students with classwork, assignments, tests preparation, and projects from regular classroom teachers. The goal is to ensure successful completion of core classes by offering study skills, learning strategy instruction, and individual tutorial assistance. Students will be given opportunities to improve their reading, vocabulary, math and study skills. Students must be identified with an IEP to enroll in this course and the IEP team must have decided this is an appropriate course.

**Study Skills A** is the first semester class offering of this course.

**41090A**

**Study Skills B** is the second semester class offering of this course.

**41090B**

**Course Note:** You must be an identified student with an I.E.P. to enroll in this course.

**Credit:** 0.05  
each semester

**Type:** Elective

**Grade:** 9-12

## ADDITIONAL COURSE OFFERINGS

### Peer Counselor

Recommended for students who enjoy helping others. The Peer Counseling Program trains students to provide support needed for a variety of situations. Training consists primarily of listening and communication skills, as well as strategies in decision making. Peer counselors are also trained to refer students to other agencies when the need arises.

**Peer Counselor A** is the first semester of this year-long course.

**4926A**

**Peer Counselor B** is the second semester of this year-long course.

**4926B**

**Prerequisite:** Student body selection, sponsor approval, training

**Credit:** 0.05

**each semester**

**Type:** Elective

**Grade:** 10-12

**Corequisite:** If you take these courses, you must take both Peer Counselor A and Peer Counselor B

### Practical Computer

**90035**

In this course, students will acquire knowledge of and experience in the proper and efficient use of various software packages. This course may explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. Students must be identified with an IEP to enroll in this course and the IEP team must have decided this is an appropriate course.

**Course Note:** You must be an identified student with an I.E.P. to enroll in this course.

**Credit:** 0.05

**Type:** Fulfills the Computer Requirement for Graduation

**Grade:** 9-12

### Practical Life Skills

The Practical Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize such topics as goal-setting, decision-making, and setting priorities; money and time management; relationships; and the development of the self. Practical exercises regarding selecting and furnishing houses, meeting transportation needs, preparing food, selecting clothing, and building a wardrobe are often integral to these classes. In addition, specific topics such as insurance, taxation, and consumer protection may also be covered. Students must be identified with an IEP to enroll in this course and the IEP team must have decided this is an appropriate course.

**Practical Life Skills A** is the first semester class offering of this

**41070A**

**Practical Life Skills B** is the second semester class offering of this course.

**41070B**

**Course Note:** You must be an identified student with an I.E.P. to enroll in this course.

**Credit:** 0.05

**each semester**

**Type:** Elective

**Grade:** 9-12

## ADDITIONAL COURSE OFFERINGS

### Independent Study I and II

The Wamego High School Independent Study program gives students the opportunity to apply their learning beyond the available HS curriculum. Students complete Independent Study Academic Contract and Action Plan as part of final approval process. Forms can be picked up in the counseling department.

NOTES: Independent Study cannot take the place of a required course. Interested students should contact a teacher in their chosen Independent Study field to discuss opportunities which may be available. Some ideas include:

- Complete a detailed project, cannot be completed as part of a traditional class.
- Work with a professional in the community who can provide learning experience beyond what can be offered in the classroom.
- Shadow a variety of professionals, determine your career interests beyond high school, and complete a portfolio of career areas you have shadowed.
- Complete an online college course

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**Independent Study I** is the first semester class offering of this **4925A**

**Independent Study II** is the second semester class offering of this **4923B**

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**Prerequisite:** Application Process and Junior or Senior status

**Credit:** 0.05 per semester

**Type:** Elective

**Grade:** 11-12

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### Peer Tutor

Peer tutors assist other students in understanding materials, organizing, and studying for tests. Recommended for students interested in any helping profession. Must have skills in Math, English, and Science.

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**Peer Tutor A** is the first semester class offering of this course. **4929A**

**Peer Tutor B** is the second semester class offering of this course. **4929B**

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**Prerequisite:** Signed approval form from the supervising teacher

**Credit:** 0.05 per semester

**Type:** Elective

**Grade:** 11-12

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## ADDITIONAL COURSE OFFERINGS

### Student Aide

1. Student must be a senior & understand no credit is awarded for this class.
2. Teacher Aides will be chosen through an application process which includes:
  - Written recommendation from at least one core subject teacher, including a rating system of students' life-skills.
  - An attendance check (tardies and absences) & a discipline referral check.
  - Completed, signed application form with class schedule & possible conflicts noted.
3. A student may be an aide only one block

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**Student Aide A** is the first semester class offering of this course. **4927A**

**Student Aide B** is the second semester class offering of this course. **4927B**

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**Prerequisite:** Signed application/approval form from the supervising teacher

**Credit:** 0.00

**Type:** Elective

**Grade:** 12

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