

Course Catalog

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Career and Technical Education (CTE) at Grand Junction High School

Career and Technical Education (CTE) is a comprehensive educational program that equips students with the skills and knowledge needed for successful careers in a wide range of industries.

Through CTE, students engage in both classroom instruction and real-world training, helping them build practical skills that are in high demand by employers. The CTE programs at GJHS also provide opportunities for students to earn industry-recognized certifications, apprenticeships, and college credit, all of which can enhance career prospects and readiness for post-secondary education.

By participating in CTE, GJHS students can explore career interests, gain valuable technical skills, and make informed decisions about their future educational and career paths. Whether students aim to enter the workforce immediately after graduation or pursue further education, CTE provides a strong foundation for long-term success.

Have a look at how CTE at GJHS can support your career and post secondary goals.



Alternative Cooperative Education (ACE)

ACE Pathway Progression:

Level 1 Courses	Level 2 Courses	Level 3 & 4 Courses
• ACE CTE Career Development I – Career Planning • ACE CTE School Work-based Learning • ACE CTE PWR I – ACE Success Foundations • ACE CTE Financial Literacy	• ACE CTE Career Development II – Job Seeking • ACE CTE Community Work-based Learning II • ACE CTE PWR II – Success Systems • ACE CTE Business Management and Entrepreneurship	• ACE CTE Career Development III – Job Keeping • ACE CTE Intentional Work-based Learning III • ACE CTE PWR III – Applications • ACE CTE Pathway LAB • ACE Capstone

ACE121 CTE WBL I – In-School

2 Semesters .5 Credit Each

This course (or series of courses) is designed for students to develop basic employment skills by participating in an in-school work/school based enterprise experience. A training plan and evaluation (to be filled out by the supervisor/employer) will be developed listing job specific technical skills the student will learn during the experience. Hours worked will be documented. Students will demonstrate levels of self-awareness, career exploration, Postsecondary option knowledge and employability skills. ACE teachers serve as a coach and mentor checking in with supervisor/employer regularly.

ACE122 CTE WBL II – COMMUNITY-BASED

2 Semesters .5 Credit Each

This course (or series of courses) is designed for students to develop basic employment skills by participating in an in-school work/school based enterprise experience. A training plan and evaluation (to be filled out by the supervisor/employer) will be developed listing job specific technical skills the student will learn during the experience. Hours worked will be documented. Students will demonstrate levels of self-awareness, career exploration, Postsecondary option knowledge and employability skills. ACE teachers serve as a coach and mentor checking in with supervisor/employer regularly.

Workplace Credit: In order to earn the credit for work, a student must be legally employed and be able to document the employment and hours worked through check stubs as well as other completed accountability forms. Credit will be given in .5 credit increment for each 60 hours worked.

ACE123 CTE WBL III – INTENTIONAL CAREER PATH

2 Semesters .5 Credit Each

This course (or series of courses) is designed for students to develop basic employment skills by participating in an in-school work/school based enterprise experience. A training plan and evaluation (to be filled out by the supervisor/employer) will be developed listing job specific technical skills the student will learn during the experience. Hours worked will be documented. Students will demonstrate levels of self-awareness, career exploration, Postsecondary option knowledge and employability skills. ACE teachers serve as a coach and mentor checking-in with supervisor/employer regularly.

Workplace Credit: In order to earn the credit for work, a student must be legally employed and be able to document the employment and hours worked through check stubs as well as other completed accountability forms. Credit will be given in .5 credit increment for each 60 hours worked.

Internship Credit: Students may earn credit through placement in an internship. All placements must be approved by the Work-Based Learning Coordinator. An internship is a paid or unpaid career exploration experience that occurs outside of the student's homeschool. This class is designed to encourage students to explore and expand their career interests in a related profession or workplace. Students are required to conform to Workplace Standards that require proficiency in communication skills, organizational skills, thinking (reasoning) skills, demonstration of effective worker qualities, and technology skills. Students will earn .5 elective credit for every 60 hours.

Business and Information Technology

To compete in today's economy and be prepared for the ever-changing future, students need transferable skills that will help them advance both educationally and in the workplace. Business and IT Education focuses on problem solving, communication, technology, teamwork, critical-thinking skills and professional workplace standards that give tomorrow's graduates an edge by offering students opportunities to develop with the workplace and technology skills required.

Graduation Requirements Met Through Business Courses:	
Computer Science: .5 credit required	Completion of High School of Business program Computer Science Foundations / Web Design / Coding / Cybersecurity / AP Computer Science / AP Computer Science Principles
Co-Curricular Opportunities	
FBLA	FBLA (Future Business Leaders of America) provides opportunities for students to develop their skills academically and professionally through workshops, conferences, competitions and projects. Participation provides opportunities for travel, networking, scholarships and more

Business Pathway Progression:

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses	Industry Certifications
• Introduction to Business • Personal Finance • HSB Principles of Business • HSB Principles of Economics • HSB Wealth Management • HSB Leadership	• Accounting Principles 1A & 1B • HSB Principles of Finance • HSB Principles of Marketing	• Business Law • Event Marketing/Communication s	• WBL Business • Business Capstone	• Quickbooks • High School of Business

HIGH SCHOOL OF BUSINESS (HSB)

High School of Business (HSB) is an AP/college level, project based program within the Business Department strongly focused on academic and critical thinking skills. The curriculum is designed to be college preparatory but is also appropriate for students looking for a serious study of entrepreneurship. Participation in the program begins the freshman or sophomore year and continues through graduation. Throughout the program, students are presented problem-solving situations for which they must apply academic and critical thinking skills. Formal reflection is an on-going component of the course. Students should enter the program with the intent of completing the entire program consisting of the following classes: Principles of Business, Business Economics, Principles of Marketing, Principles of Finance, Principles of Management, and the capstone course, Business Strategies. Leadership may be taken

during the freshman year. Accounting and Cybersecurity are also highly recommended. Completion of the program provides 3 to 4 elective credits, including the Financial Literacy requirement.

35776 LEADERSHIP (HSB Optional) \$ 1 Semester .5 Credit
Prerequisite: None Grades 9–10
This project-based leadership course develops student understanding and skills in such areas as communication skills, emotional intelligence, operations, and professional development. Students acquire an understanding and appreciation of the need for leadership skills. The capstone activity of the course is the implementation of a service learning project. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

35743 WEALTH MANAGEMENT# (HSB Optional) \$ 1 Semester .5 Credit
Prerequisite: None Grades 9 – 10
This course meets the graduation requirement for Financial Literacy.

This project-based financial literacy course develops student understanding and skills in such areas as economic decision-making, time value of money, financial management, and types of investments. Students acquire an understanding and appreciation of the need for personal financial management and investing. The course content is sequenced for students to develop a full understanding of their role and responsibility in their financial future. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills.

35731 PRINCIPLES OF BUSINESS (HSB) \$ 1 Semester .5 Credit
Prerequisite: None Grades 10–12
This project-based business course develops student understanding and skills in such areas as business law, economics, financial analysis, human resources management, information management, marketing, operations, and strategic management. Through the use of projects, students acquire an understanding and appreciation of the business world. They develop a business analysis report, conduct an environmental scan of the local business community, and investigate business activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course.

35753 BUSINESS ECONOMICS (HSB) \$ 1 Semester .5 Credit
Prerequisite: Completion of Principles of Business with a C or higher Grades 10–12
for HSB program completion
This project-based business course develops student understanding and skills in such areas as economics, entrepreneurship, operations, and professional development. Through the use of seven projects, students acquire an understanding and appreciation of economic decision-making in the business world as well as augmenting their knowledge of entrepreneurial contributions. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills.

35778 PRINCIPLES OF MARKETING (HSB) \$ 1 Semester .5 Credit
Prerequisite: Completion of Business Economics with a C or higher Grades 11–12
for HSB program completion
This project-based business course develops student understanding and skills in such areas as channel management, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Through the use of seven projects, students acquire an understanding and appreciation of marketing activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills.

35779 PRINCIPLES OF FINANCE (HSB) 1 Semester .5 Credit
Prerequisite: Completion of Principles of Marketing with a C or higher Grades 11–12
for HSB program completion
Principles of Finance furthers student understanding of two specific business activities—accounting and finance—that were introduced in an earlier High School of Business course, Principles of Business. Through team activities and a semester-long corporate investment project, students make connections between

accounting and finance. Students acquire an understanding of financial statements, calculate financial ratios, and make corporate financial management decisions based on their analysis of that financial data. In addition, students apply the concepts of operating and overhead costs, internal accounting controls, and budgets to their class business. Lastly, cost/benefit analysis is introduced as an element of financial planning and decision-making.

35777 PRINCIPLES OF MANAGEMENT (HSB) \$ 1 Semester .5 Credit
Prerequisite: Completion of 4 HSB Core classes with a C or higher Grade 12
 Principles of Management furthers student understanding of management that was introduced in an earlier High School of Business™ course, Principles of Business. Through individual and team activities and a semester-long project, students make connections between management and business success. Students acquire an understanding of legal and ethical issues associated with management; initiate, plan, implement and control, and close a project; motivate team members; delegate work; develop a chain of command; coordinate work efforts; and interpret statistical findings.

35775 BUSINESS STRATEGIES (HSB) \$ 1 Semester .5 Credit
Prerequisite: Completion of Principles of Management with a C or higher Grade 12
 This project-based business course develops student understanding and skills in such areas as business law, entrepreneurship, financial analysis, human resources management, and strategic management. By planning, organizing, staffing, directing, leading, and controlling business activities, students acquire a realistic understanding of what is required to open and successfully run a business. They conduct situational, market, and competitive analyses; select a target market; develop a business plan; recruit, interview, select, and hire staff; supervise staff; control use of resources; and evaluate the results of the business effort. Throughout the course, students make decisions and use problem-solving skills. Formal reflection is an on-going component of the course.

BUSINESS

35710 Introduction to Business 1 Semester .5 Credit
Prerequisite: None Grades 9 – 10
 Introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics.

35652 Event Marketing Communications 1 Semester .5 Credit
Prerequisite: Introduction to Business with a C or higher
 Grades 10 – 12
 Defines the importance and role of marketing, media and public relations in the event planning -- industry. Identify marketing and communication tools such as social media, promotional events, networking and blogs. Design a marketing plan to include target market research communication tools, objectives, strategies, and implementation.

35740 PERSONAL FINANCE \$ 1 Semester .5 Credit
Prerequisite: Core Math Credits Grades 10 – 12
This course meets the graduation requirement for Financial Literacy.
 This course emphasizes life-long decision-making skills involved in managing one's personal finances. Students will leave the class prepared to manage bank accounts, create and maintain a personal budget, and make wise decisions regarding saving and investing.

35770 BUSINESS LAW (offered even years only) \$0† 1 Semester .5 Credit
Prerequisite: None Grades 11 – 12
 This course emphasizes the importance of the law in our society and the business and personal law concepts that directly relate to students' lives today and in the future. Students consider legal issues that are faced by minors, families, consumers, and business people including the organization of the legal system, contract and consumer law, agency and employment law, domestic relations law, and special law issues, property, commercial paper, technology, and the environment.

35620 GRAPHIC DESIGN FOR BUSINESS

\$0

1 Semester .5 credit

Prerequisite: None

Grades 10 – 12

Focuses upon the study of design layout and conceptual elements concerning graphic design projects such as posters, advertisements, logos, and brochures.

ACCOUNTING

Accounting provides you with practical applications for both personal and business use. **If you plan to study accounting, business, finance, marketing, management, or law at the college level**, this foundation course is a must. **If you plan to enter the business world after high school**, these courses will provide entry level job skills that will help you start your career. **If you plan to start your own business**, you will learn how to keep your own records.

35801 ACCOUNTING I A \$

1 Semester .5 Credit

Prerequisite: Core Math Credits

Grades 10 – 12

This course introduces accounting principles for understanding the theory and logic that underlie procedures and practices for business organizations. Major topics include the accounting cycle for service and merchandising companies, internal control principles and practices, notes and interest, inventory systems and costing, and plant and intangible asset accounting. **Highly recommended for HSB students before HSB Principles of Finance.**

35802 ACCOUNTING I B \$

1 Semester .5 Credit

Prerequisite: Accounting IA

Grades 10 – 12

This course builds a basic understanding of manual and automated accounting principles and procedures. Students learn to analyze and record business transactions and prepare financial statements for businesses organized as proprietorships, partnerships, and corporations. Upon completion of Accounting A & B, students will be eligible to earn a certification for QuickBooks, test required.

INFORMATION TECHNOLOGY**Information Technology Pathway Progression:**

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses	Industry Certifications
- Computer Science Foundations - Cybersecurity - Web Design	- Coding I - Advanced Placement Computer Science Principles - Advanced Placement Cybersecurity 1	- Advanced Placement Cybersecurity 2 - Coding II	- Capstone - WBL	- IT Specialist: Python - IT Specialist: HTML and CSS - IT Specialist: Javascript - Cybersecurity

35610 COMPUTER SCIENCE FOUNDATIONS

1 Semester .5 Credit

Prerequisite: None

Grades 9

This course meets the graduation requirement for Computer Science.

Computer Science Explorations course introduces students to the fundamental concepts of computer science and challenges them to explore the impacts of computing and technology. The course creates opportunities for students to analyze problems, use creative thinking, and collaborate on developing solutions to real-world issues using computing. Topics include algorithms and programming, the structure and design of the internet, the implications of design decisions, and the role of hardware platforms in computing. The course lays a foundation for more advanced computer science courses and a variety of career pathways. This class is only recommended if you did not take any computer classes in middle school. **Class Fee is \$10.00**

35650 CYBERSECURITY*Prerequisite:* None

1 Semester .5 Credit

Grades 9 – 12

This course meets the graduation requirement for Computer Science.*** HEAR, NCAA Approved**

Introduction to Computer Security is a one-semester course that serves as an introduction to Computer Security to students of all grades. This course covers fundamentals in computer operating system security within Windows, Windows Server, and Linux environments. Problem solving will be heavily stressed as well as ethics as they relate to technology.

35645 WEB DESIGN FOUNDATIONS

\$0

Prerequisite: None

1 Semester .5 Credit

Grades 9 – 12

This course meets the graduation requirement for Computer Science.

This course will introduce students to designing, creating, editing and maintaining web pages that are easy to use and visually appealing. The use of images, forms, tables, templates, layers and behaviors will be covered. Image editing software will be used to format images for use in web pages.

35660 WEB DESIGN DEVELOPMENT

\$0

Prerequisite: Web Design Foundations with a C or higher

1 Semester .5 Credit

Grades 10 – 12

This course meets the graduation requirement for Computer Science.

This class will create, update and maintain the high school web site using industry-based-standards. Students will take their prior experience with web designing software from Web Design I and apply it to the school site. Evaluation will be based upon successfully completing both short-term and long-term projects using industry-based standards. All work is to be done in class due to the specific requirements of the projects; therefore, regular attendance is required to be successful.

35890 CODING I

0

Prerequisite: Geometry, familiarity with Python

1 Semester .5 Credit

Grades 10 – 12

This course meets the graduation requirement for Computer Science.*** HEAR, NCAA Approved**

This course introduces programming and applications development. Assignments focus on program structure, language syntax, and implementation details. Upon completion of this course, proficient students will demonstrate an understanding of object-oriented programming language using high-level languages such as FOCUS, Python, or SAS.

35893 CODING II

0

Prerequisite: Coding I

1 Semester .5 Credit

Grades 10 – 12

This course meets the graduation requirement for Computer Science.*** HEAR, NCAA Approved**

Coding II challenges students to develop advanced skills in problem analysis, construction of algorithms, and computer implementation of algorithms as they work on programming projects of increased complexity. In doing so, they develop key skills of discernment and judgment as they must choose from among many languages, development environments, and strategies for the program life cycle. Course content is reinforced through numerous short- and long- term programming projects, accomplished both individually and in small groups. These projects are meant to hone the discipline and logical thinking skills necessary to craft error-free syntax for the writing and testing of programs. Upon completion of this course, proficient students will demonstrate an understanding of object-oriented programming language using high-level languages such as FOCUS, Python, or SAS.

35603 (A), 35604 (B) ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

0

Prerequisite: Geometry A&B

2 Semesters .5 Credit Each

Grades 9 – 12

This course meets the graduation requirement for Computer Science.*** HEAR, NCAA Approved**

The AP Computer Science Principles course is designed to be equivalent to a first- semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and

collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world.

35600 (A), 35601 (B) **ADVANCED PLACEMENT COMPUTER SCIENCE** • 2 Semesters .5 Credit Each
Prerequisites: Geometry Grades 10 – 12

This course meets the graduation requirement for Computer Science.

The AP Computer Science A course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. It includes the study of data structures, design, abstraction using Java language, and the responsible use of these systems. The course is equivalent to a first semester college-level course for students interested in pursuing a computer science career field.

35658 (A), 35659 (B) **ADVANCED PLACEMENT CYBER NETWORKING** 2 Semesters .5 Credit Each
Prerequisite: one semester of a computer science course Grades 10 – 12

This is a full-year high school course that covers the fundamentals of networking. It is equivalent to a college-level Introduction to Networking course. The course interweaves essential networking concepts with relevant, hands-on problem-solving activities to maximize students' understanding of network hardware and configuration, the use of protocols to enable reliable and accurate transmission of data between different hosts around the world, and relevant security practices that secure the transmission of data both within and between computer networks.

25605 (A), 35599 (B) **ADVANCED PLACEMENT CYBERSECURITY** 2 Semesters .5 Credit Each
Prerequisite: AP Cybersecurity I with a C or higher Grades 10 – 12

Cybersecurity Fundamentals is a full-year course covering foundational cybersecurity concepts and skills and is equivalent to a college-level Introduction to Cybersecurity course. Students will explore the current cyber threat landscape to understand the types of adversaries organizations face and the techniques adversaries use to compromise systems and data. Students will learn how vulnerabilities create risk and how organizations implement security controls to manage that risk. Topics in the course include physical, operational, application, and network security; security controls; cryptography; access control; attacks and detection; and response and recovery. Students will research emerging trends in cybersecurity and gain hands-on experience implementing security protocols.

Digital Media and Communications

The Digital Media and Communications Pathway is designed for students interested in exploring the dynamic world of media, journalism, and design. This program provides hands-on experience in courses such as Reporting, Print Media, Online Media, and Graphic Design and Illustration. Students will develop skills in storytelling, content creation, and visual communication while mastering tools and techniques for both traditional and digital platforms.

Students can further enhance their learning through co-curricular opportunities like contributing to *The Orange and Black* newspaper or creating lasting memories in the school's Yearbook program. This pathway equips students with the creative and technical expertise needed for success in media-related careers or post-secondary studies.

Graduation Requirements Met Through Digital Media and Communications Courses:	
English Elective .5 credit required	
Co-Curricular Opportunities	
Orange & Black Newspaper Yearbook	O&B: Students contribute to Orange and Black by acting as reporters, editors, graphic designers, photographers, advertising sales representatives, and accountants. Students decide the content and format of the newspaper. Yearbook: Students will act as photographers, writers, designers, editors, and do marketing/promotions while participating in creating an aesthetically pleasing and memorable yearbook to document highlights of the GJHS school year.

Digital Media and Communications Pathway Progression:

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
- Foundations for Design, Multimedia, Arts, and Digital Communications A & B - Reporting A (Journalism)	- Reporting B (Journalism) - Print Media I - Online Media I - Graphic Design & Illustration I	- Print Media II - Online Media II - Graphic Design & Illustration II	Digital Media and Communications WBL (Work Based Learning)

*Pre-requisite courses with a C or higher to move to upper level classes within that pathway.

31850 **FOUNDATIONS OF DESIGN, MULTIMEDIA, ARTS, & DIGITAL COMM** \$

1 Semester .5 Credit

Prerequisite: None

Grades 9 – 12

Students are introduced to a variety of programs and occupations in the arts, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. The course looks into the world of social media and its uses.

- 31710 **REPORTING A (Journalism)** ★\$ 1 Semester .5 Credit
Prerequisites: None Grades 9 – 12
 Students are introduced to the variety of programs and occupations in audio/video technology, and communications and media systems. Students will demonstrate an understanding of how to gather information that may be published in print or online media. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual.
- 31720 **REPORTING B (Journalism)** ★\$ 1 Semester .5 Credit
Prerequisites: Reporting A Grades 9 – 12
 Students are introduced to the variety of programs and occupations in audio/video technology, and communications and media systems. Students will demonstrate an understanding of how to gather information that may be published in print or online media. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual.
- 31855 (A), 31856 (B) **PRINT MEDIA I & II (Orange & Black)** ★\$ 2 Semesters .5 Credit Each
Prerequisites: Reporting or Photography with a C or higher or Teacher Recommendation Grades 10 – 12
 Computer skills recommended
 Students demonstrate their understanding of a variety of programs and occupations in print media using digital tools that are widely available in professional publication work. Focus is on producing content for reader-oriented publications. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual.
- 31857 (C), 31858 (D) **ONLINE MEDIA I & II (Orange & Black)** ★\$ 2 Semesters .5 Credit Each
Prerequisites: Print Media I & II with a C or higher Grades 11 – 12
 Students demonstrate their understanding of a variety of programs and occupations in online media using digital tools that are widely available in professional media work. Focus is on producing content for online consumer-oriented platforms. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual.
- 35663 (A), 35664 (B) **GRAPHIC DESIGN & ILLUSTRATION I (Yearbook)** \$ 2 Semesters .5 Credit Each
Prerequisite: Foundations of Design/Multimedia Arts/Digital Comm, Reporting, or Photography with a C or higher or Teacher Rec Grades 10 – 12
 This entry level course is for training in the visual communication portion of all media businesses. Students learn about a career in the many kinds of media and graphic design and illustration jobs. Digital photography and working towards the intermediate level use of image editing and drawing programs are strongly focused upon in this class. This is helpful for any future photographer, videographer, animator or advertiser. Students will begin developing a high quality portfolio for college or design school.
- 35665 (A), 35666 (B) **GRAPHIC DESIGN & ILLUSTRATION II A & B (Yearbook)** \$ 2 Quarters 1 Credit
Prerequisite: Graphic Design & Illustration I with a C or higher Grades 11 – 12
 Design portfolios are expanded upon and improved in this second year of Graphic Design and Illustration. There is study of college art and media programs. More time is spent learning advanced concepts in illustration and the advertising and media business as well as new software programs while continuing to hone skills in image editing and digital photography. Large format printing of projects is common in this class.

FAMILY AND CONSUMER SCIENCE

FCS Education emphasizes the importance of building strong interpersonal relationships, cultural awareness, and a sense of responsibility toward oneself and others. By providing both practical life skills and industry skills, these programs help students navigate the complexities of modern life and help to prepare them to contribute meaningfully to their communities, careers and post secondary goals.

Hospitality and Food Production Pathway Progression:

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses	Industry Certifications
- Culinary Essentials I & II * - Nutrition & Wellness - Education Exploration - Child & Adolescent Development - Interpersonal Relationships - Teen Choices - Life Management - Design Seminar	Pro-Start I (A & B) *	- Pro-Start II (A & B) - Baking & Pastry A & B	- FCS WBL (Work Based Learning) - FCS Capstone	- ServSafe Food Handler - Mesa County Food Handler - ServSafe Manager

* Pre-requisite courses with a C or higher to move to upper level classes within that pathway.

HOSPITALITY & FOOD PRODUCTION

37531 & 37532 **CULINARY ESSENTIALS I & II** ↑

2 Quarters .5 Credit Each

Prerequisite: None

Grades 10 - 12

This course is designed to introduce students to a variety of culinary skills and food preparation. Through instruction and culinary lab practice, this class will provide an opportunity for students to learn food preparation and demonstrate food safety. Some topics include introductory culinary skills and preparation of items such as quick breads, yeast breads, and eggs; as well as meal and menu planning, nutrition, and food borne illnesses. Students will be able to: Demonstrate the correct procedures' and techniques in introductory culinary labs, analyze nutritional guidelines and plan menus that are nutritionally balanced, and demonstrate food safety standards. **The Class Fee is \$35.00/ per quarter**

86098 **NUTRITION AND WELLNESS** ↑

1 Semester .5 Credit

Prerequisite: None

Grade 9-12

The purpose of the course is to develop lifelong, healthy individuals with an understanding and academic knowledge of wellness as a lifestyle, exercise and fitness, nutrition, and consumer products and services. Emphasis is placed on implementing healthy nutritional choices, developing a fitness/wellness plan, integrating science principles as related to nutrition, and practicing wise consumer decisions.

37636 (A) 37637 (B) **PRO START I A & B**

2 Quarters .5 Credit Each

Prerequisite: Culinary Essentials I & II with a C or higher

Grades 11 - 12

This course from the National Restaurant Association introduces students to the world of professional cooking! Basic communication skills, safety and sanitation, food preparation, meal planning, and other topics are taught in this course. FCCLA is an integral part of this course. The class will teach you basic food safety and sanitation, customer service, food preparation and employability skills. We will take exciting tours and host many great guest speakers. You will have the opportunity for a paid internship working with a

professional mentor in the area of food service, hotel lodging or hospitality. **The Class Fee is \$35.00/ per quarter**

37638 (A) 37639 (B) **PRO START 2 A & B**

2 Quarters .5 Credit Each

Prerequisite: Pro Start II B with a C or higher

Grades 11 - 12

Students will continue to be trained for employment in restaurants and hospitality. The basic skills taught in ProStart I will be reviewed and additional skills such as customer relations, accounting procedures, and more advanced food preparation skills will be taught. FCCLA is an integral part of this course. Students will investigate career paths in lodging and work at a paid internship at a large hotel. This course will train you in food preparation techniques as well as hotel/motel management skills. You will take exciting field trips and hear from guest speakers in the industry. Opportunities exist for each student to participate in a paid mentor position in the area of food service, hotel lodging or hospitality. **The Class Fee is \$35.00/ per quarter**

37535 (A) 37536 (B) **BAKING & PASTRY A & B** ↑

2 Quarters .5 Credit Each

Prerequisite: Culinary Essential I & II with a C or higher

Grades 10-12

This course is intended for students who have an interest in pursuing a career in the hospitality and culinary industry. Combining advanced food science, restaurant management, food preparation techniques, and real-world internship opportunities, students, through baking and pastry arts, learn to develop their culinary skills and food knowledge to become employable and sought after employees by local foodservice businesses. **The Class Fee is \$35.00/ per quarter**

HUMAN SERVICES/ EDUCATION AND TRAINING

Human Services/Education and Training Pathway Progression:

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
• Education Exploration * • Childhood & Adolescent Development * • Interpersonal Relationships * • Nutrition & Wellness • Teen Choices • Life Management			• FCS WBL (Work Based Learning) • FCS Capstone

37600 **CHILD AND ADOLESCENT DEVELOPMENT** ↑

1 Semester.5 Credit

Prerequisite: None

Grades 9 - 12

The purpose of this course is to acquire knowledge and understanding of child and adolescent development necessary for strengthening the well-being of children and families. Content focuses on perspectives of human development, research and theories, understanding and nurturing development, and challenges to development.

XXXXX **EDUCATION EXPLORATION**

1 Semester .5 Credit

Prerequisites: Child & Adolescent Development with a C or higher

Grade 10 -12

Education Exploration is a semester course designed to provide students with an overview of professions within education. Students will discover their own learning style and how learning styles impact teaching and the delivery of lessons. Experiences with various education professionals will enhance the understanding of classroom planning, licensure requirements, and career opportunities within school systems. This course includes a minimum of 15 extended learning hours, which may be outside of class time.

37590 INTERPERSONAL RELATIONSHIPS \$↑

1 Semester .5 Credit

Prerequisite: None

Grades 9 – 12

The purpose of the course is to acquire academic knowledge and understanding for healthy, respectful, and caring relationships across the life span. Emphasis is placed on family and friend dynamics, effective communication, and healthy interpersonal relationships.

37660 TEEN CHOICES ↑

1 Semester .5 Credit

Prerequisite: None

Grade 9 – 12

In this course, you will learn how to make healthy decisions throughout your teen years. You will learn skills and practices required by individuals to develop, manage and strengthen social, psychological, and physical wellness, interpersonal relationships, safe sexual decision making, anti-substance use practices, and understanding teens and the law. **The Class Fee is \$10.00**

37560 LIFE MANAGEMENT # \$↑

1 Semester .5 Credit

Prerequisite: None

Grades 11 – 12

Students will develop decision-making skills to become educated consumers with an understanding and academic knowledge of consumer resources and financial organizations. The course focuses on personal and family resources, job and career, personal and family finances, and wellness. (Relevant topics include: independent living, healthy lifestyles, career research and job portfolios, personal financial literacy, investments, credit, insurance, leasing vs. purchasing of autos and homes.)

INTERIOR DESIGN AND FASHION DESIGN

Fashion Design and Interior Design Pathway Progression:

** Pre-requisite course with a C or higher to move to upper level classes within that pathway.*

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
- Design Seminar * - Interpersonal Relationships - Teen Choices - Life Management	- Fashion Design & Merchandising 1 - Fashion Design & Merchandising 2 - Interior Design – Residential - Interior Design – Commercial		- FCS WBL (Work Based Learning) - FCS Capstone

37643 DESIGN SEMINAR

1 Quarter .5 Credit

Prerequisite: Must be taken concurrently with FASHION DESIGN

Grades 9 – 12

This course will give students an introduction to the elements and principles of design as seen in Interior Design, Fashion Design, Publishing and a variety of other fields. In addition it will introduce students to the many careers that require design and allow them to analyze their own career pathways to determine where design might fit. This course is recommended as an introduction to the fashion and interior design pathway.

The Class Fee is \$20.00**37642 FASHION DESIGN & MERCHANDISING I**

★\$

1 Quarter .5 Credit

Prerequisite: Must be taken concurrently with DESIGN SEMINAR

Grades 9 – 12

The purpose of this course is to expose students to various aspects of the fashion design and merchandising industry. Students integrate knowledge, skills, and practices to evaluate potential Family and Consumer Sciences career opportunities. Emphasis is placed on an introduction to fashion, fashion and textile selection, product construction and fashion merchandising. **The Class Fee is \$20.00**

37641 FASHION DESIGN & MERCHANDISING II

★\$

1 Quarter .5 Credit

Prerequisite: Design Seminar and Fashion Design & Merchandising I

Grades 9 – 12

This course is for students who wish to increase their knowledge and further their skills in the fashion design

and merchandising industry. Topics include fashion designers, careers, clothing selection, fibers and fabrics, and fashion illustration. Projects are planned and completed in relation to the student's individual interest and skill level. **The Class Fee is \$20.00**

37691 **WORK BASED LEARNING (WBL) FCS** ↑

1 Semester .5 Credit

Prerequisite: Application and Teacher Approval

Grade 9-12

Students build on prior knowledge and skills in the program of study to further develop and apply employability and technical skills that prepare them for success in future career and post-secondary education.

42128 **FCS Capstone**

1 Semester .5 Credit

Prerequisite: Application and Teacher Approval

Grade 11-12

This course allows for advanced work in any Family and Consumer Sciences Program of Study. This advanced work can be individualized to the specific program of study to allow for specialized study for the student. It may include project based learning or preparation for end of program industry certification. Specific content and course design will be determined by the instructor in collaboration with the individual student.

AMERICAN SIGN LANGUAGE

American Sign Language Pathway Progression:

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses
- Child & Adolescent Development - Interpersonal Relationships - Education Exploration	- American Sign Language I * - American Sign Language II	American Sign Language III	- FCS WBL (Work Based Learning) - FCS Capstone

35420 (A), 35421 (B) **AMERICAN SIGN LANGUAGE I**

2 Semesters .5 Credit Each

Prerequisites: None

Grades 9 – 12

*HEAR & NCAA APPROVED

This course is an introduction to basic receptive and expressive skills in American Sign Language, including vocabulary, manual alphabet, grammatical structure, facial expressions. Deaf culture and the history of ASL will also be covered in this course.

35423 (A), 35424 (B) **AMERICAN SIGN LANGUAGE II**

★\$•

2 Semesters .5 Credit Each

Prerequisites: Completion of level I with a C or higher

Grades 9 – 12

*HEAR & NCAA APPROVED

This course is designed as a continuation to American Sign Language (ASL) I. Students will continue development in expressive and receptive skills, grammar, vocabulary and sentence structures. Classifiers, spatial referencing, and inflecting verbs will be introduced. Information about the Deaf Community and Deaf Culture will also be covered.

35425 (A), 35426 (B) **AMERICAN SIGN LANGUAGE III**

★\$•

2 Semesters .5 Credit Each

Prerequisites: Completion of level II with a C or higher

Grades 9 – 12

*HEAR APPROVED

This course is designed to increase students' receptive and expressive skills of visual communication. Through interactive and voice-off activities, the learner will use facial and gestural expressions to communicate with the alphabet, numbers and grammar of ASL. Students will expand upon their vocabulary learned in ASL I and II and learn to discuss more abstract concepts as well as events that occurred in the past. Students will also explore highlights of the Deaf community, history, and culture.

MANUFACTURING AND TECHNICAL SCIENCE

Students interested in an engineering or STEM Career Pathway are strongly encouraged to take advantage of the hands-on opportunities these classes present. These classes are designed for students at any level of development. Students have access to the tools, supplies, equipment and computers that are necessary to complete assignments during class. When students use class time to their advantage, there is very little homework. **There is a \$25.00 fee for each class that helps cover the cost for supplies.** *These classes all fall into the CTE Skilled Trades & Technical Sciences career cluster.*

Level 1 Courses	Level 2 Courses	Level 3 Courses	Level 4 Courses	Industry Certifications
- Woodworking Technology - Principles of Construction	- Woodworking Technology II - Carpentry Technology	- Woodworking Technology III - Construction Systems I	- Advanced Woodworking and Carpentry - Work-Based Learning Construction Pathway - Construction Concurrent enrollment	

37034 **WOODWORKING TECHNOLOGY**



2 Quarters 1 Credit

Prerequisite: None

Grades 9 - 12

This course provides an overview of the planning, design, layout, and technical drawing interpretation for practical use in woodworking, cabinetmaking, and mill working. Different cabinet and furniture styles used, various wood products and materials, and proper tool selection may also be covered. Students will be introduced to the different construction processes in the cabinetmaking, furniture making, and millwork industries. Students will learn about measurement, layout, shop drawings and cutting lists. They will gain a basic understanding of the various kinds of materials used in the industry. Students will learn to use selected woodworking tools and machinery. Correct and safe use of tools and equipment is emphasized. The construction of several projects will develop students' woodworking skills.

37037 **WOODWORKING TECHNOLOGY II**



2 Quarters 1 Credit

Prerequisite: Woodworking Technology I

Grades 9 - 12

Students will expand their knowledge of workshop and tool safety, joinery techniques, project design, shop maintenance, power tool and hand tool use and wood theory. There will be an emphasis on craftsmanship and on joinery skills, attention to detail and elements of design.

37038 **WOODWORKING TECHNOLOGY III**



2 Quarters 1 Credit

Prerequisite: Woodworking Technology 2

Grades 9 - 12

Woodworking Technology 3 provides continuing instruction in woodworking with a blend of historic and modern technology skills. The course includes in-depth instruction of hand tools, power tools, custom made tools, advanced woodworking techniques, drafting and wood science.

37030 **PRINCIPLES OF CONSTRUCTION A & B**

2 Quarters 1 Credit

Prerequisite: None

Grades 9 - 12

Principles of Construction is a foundational course in the Architecture & Construction cluster covering essential knowledge, skills, and concepts required for careers in construction. Upon completion of this course, proficient students will be able to describe various construction fields and outline the steps necessary to advance in specific construction careers. Students will be able to employ tools safely and interpret construction drawings to complete projects demonstrating proper measurement and application of mathematical concepts. Standards in this course also include an overview of the construction industry and an introduction to building systems and materials.

37041 (A) 37042 (B) CARPENTRY TECHNOLOGY I

2 Quarters 1 Credit

Prerequisite: Principles of Construction A & B

Grades 9 - 12

Carpentry Technology prepares students for careers in residential and commercial carpentry. Students will be able to frame floors, walls, ceilings, roofs, and stairs while safely employing tools and interpreting construction drawings to complete projects. Emphasis is placed on demonstrating proper measurement and application of mathematical concepts. Students gain an understanding of wood grades and construction methods and to learn skills such as laying sills and joists; erecting sills and rafters; applying sheathing, siding, and shingles; setting door jambs; and hanging doors. Carpentry courses may teach skills for rough construction, finish work, or both. Students learn to read blueprints, draft, use tools and machines properly and safely, erect buildings from construction lumber, perform finish work inside of buildings, and do limited cabinet work. Carpentry courses may also include career exploration, good work habits, and employability skills

37048 (A) 37049 (B) CONSTRUCTION SYSTEMS I

2 Quarters 1 Credit

Prerequisite: Carpentry Technology

Grades 9 - 12

Students in this class will learn about various facets of construction in both a classroom and hands-on setting. This program of study is intended to prepare students for careers in construction by developing an understanding of the different phases of a construction project from start to finish. Upon completion of this course, proficient students will be able to demonstrate knowledge and skill in the earlier phases of building construction, including site layout, foundation systems, framing systems, and electrical systems.

XXXXX ADVANCED WOODWORKING & CARPENTRY A & B

2 Quarters 1 Credit

Prerequisite: Woodworking technology III or Construction Systems I

Grades 9 - 12

Advanced Woodworking and Carpentry is designed to introduce advanced skills for residential carpentry. Topics included in the course are cabinetry construction and installations, advanced trim work, flooring, custom cabinetry, and codes and regulations.

XXXXX WORK-BASED LEARNING CONSTRUCTION PATHWAY

1 Quarter .5 Credit

Prerequisite: Woodworking technology III or Construction Systems I

Grades 9 - 12

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement of this course.

CULTURALLY AND LINGUISTICALLY DIVERSE LEARNERS

31981 **CLD 1**

2 Semesters .5 Credit Each

WIDA proficiency levels 1.0–2.5

English Language Development course. Students will acquire English language skills and develop comprehension skills to communicate with English speakers. Initial instruction focuses on listening and speaking while reading and writing skills are developed simultaneously as the student comprehends and speaks more English. This course is designed for students identified as English Language Learners (CLDs) at the beginning levels of English proficiency.

31982 **CLD 2**

2 Semesters .5 Credit Each

WIDA proficiency levels 2.0–3.0.

English Language Development course. In this course, English learners will build on the beginning levels of the English language, further developing grammar, sentence patterns, vocabulary and conversation. Initial instruction focuses on lessons designed to explain, describe, define and compare concepts in English. Language is developed simultaneously as the student comprehends and speaks more English. This course is designed for students identified as English Language Learners (CLDs) at the early levels of English proficiency.

31983 **CLD 3**

2 Semesters .5 Credit Each

WIDA proficiency levels 2.5–4.0.

English Language Development course. The course enables English learners at intermediate levels in oral language development, reading, and writing in English to continue to increase and refine communication skills. It focuses on increasing linguistic complexity in student work. Students will develop critical thinking skills, academic vocabulary, and writing skills while learning more advanced skills in how to recount, discuss, argue, explain and compare concepts in English. This course is designed for students identified as English Language Learners (CLDs) at the intermediate levels of English proficiency.

31984 **CLD 4**

2 Semesters .5 Credit Each

WIDA proficiency levels 2.5–4.0

English Language Development course. The course enables English learners at intermediate levels in oral language development, reading, and writing in English to continue to increase and refine communication skills. It focuses on increasing linguistic complexity in student work. Students will develop critical thinking skills, academic vocabulary, and writing skills while learning more advanced skills in how to recount, discuss, argue, explain and compare concepts in English. This course is designed for students identified as English Language Learners (CLDs) at the intermediate levels of English proficiency.

31961 **CLD Fundamentals**

2 Semesters .5 Credit Each

This course is designed to meet the academic and language development needs of newcomer students. It assists with the adjustment into a new school community while honoring the wealth of knowledge, experience, and global perspective they bring to our school. Students will participate in an intensive and accelerated course designed to develop communicative competence through targeted lessons based on language learning.

31957 **CLD SOCIAL STUDIES LAB**

1 Semester .5 Credit

Social Studies Lab will provide students an outlet to refresh their background knowledge in History & Geography. Topics include the 50 States & Capitals, fast facts on each American President, history of holidays, 7 continents, current events, time to work on core content homework & and lesson clarification. This class has no *Prerequisite* and counts as the social studies elective requirement.

ENGLISH LANGUAGE ARTS

It is recommended that students complete at least two semesters of Language Arts classes each year.

Graduation Requirements for Language Arts

1 credit	Level 9	0.5 credit	Level 12
1 credit	Level 10	0.5 credit	English Elective
1 credit	Level 11		

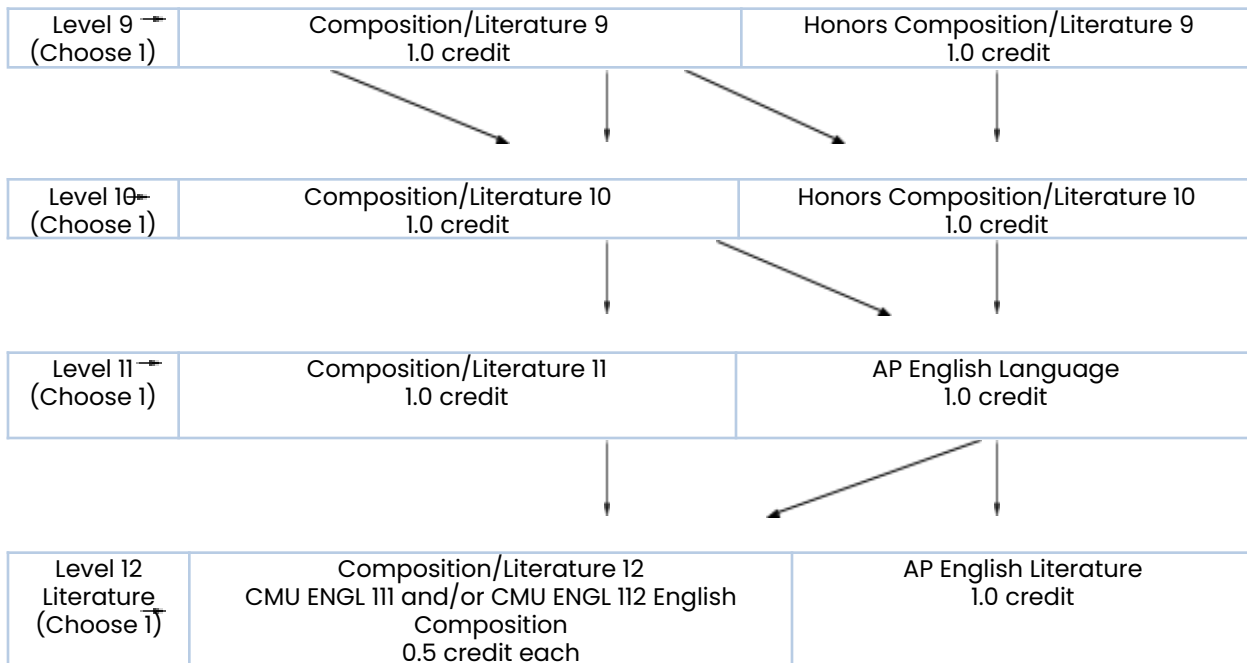
Homework Expectations

All English courses, except honors and AP courses, require an average of 1-2 hours of homework per week.

Assessments and Evaluations

Students will be evaluated in a variety of ways, including class participation, homework assignments, projects and portfolios, written and oral presentations, and tests and quizzes.

Language Arts Course Flow Chart



YEAR 9 COMPOSITION

31007 (A) 31008 (B) **COMPOSITION/LITERATURE 9**

Prerequisites: None

2 Semesters .5 Credit Each

Grades 9-12

*** HEAR, NCAA Approved**

This is a two-term course which serves as an introduction to high school language arts instruction. In ninth grade, the learning of reading, writing, thinking, speaking, listening and researching focuses on the concept of perspectives and pursuits. Within this overarching theme, students will explore a variety of texts and genres through close reading and will write narrative, argumentative and informative texts. Students will compare and contrast texts and media that connect cultural and world views while focusing on complex characters and parallel plots, manipulated time, and flashbacks. They will make connections between their own lives and the lives of those they read. They will continue to develop their understanding of rhetoric through their reading, writing, and dialoguing. Students will develop speaking skills through effective preparation techniques and develop critical listening skills. Students will continue to research authentic questions so they can orally articulate a claim supported by evidence while differentiating between primary and secondary document sources. They will continue to develop and monitor their own reading, writing, and

thinking processes as they read self-chosen texts, write about self-chosen topics, and think about their thinking.

31051 (A), 31052 (B) **HONORS COMPOSITION/LITERATURE 9**

2 Semesters .5 Credit Each

Prerequisites: Teacher Recommendation Preferred

Grades 9 – 12

*** HEAR, NCAA Approved**

This two-termed course is designed for the student willing to exert extra effort in the mastery of literature, writing, discussion, and grammar skills. In addition to the core curriculum designed for Composition/Literature 9, students will engage in an intense vocabulary program based on SAT word pools and will study literature selections that are more difficult and abstract. Discussion of literature will emphasize the seminar approach and enhance critical thinking skills. The students will write in narrative, descriptive, comparative/contrasting, and persuasive modes.

YEAR 10 COMPOSITION

31065 (A) 31066 (B) **COMPOSITION/LITERATURE 10**

2 Semesters .5 Credit Each

Prerequisites: Successful Completion of Level 9 Core Requirement

Grades 10 – 12

*** HEAR, NCAA Approved**

This is a two-term course designed with a thematic approach to literature and writing for students who have successfully completed core 9 requirements. In tenth grade, the learning of reading, writing, thinking, speaking, listening and researching focuses on the concepts of The American Dream. Within this overarching theme, students will explore a variety of texts and genres through close reading and will write narrative, argumentative and informative texts. Students will compare and contrast texts and media that connect traditional, classical and contemporary themes while focusing on comparing the impact of artistic mediums, thematic or historical contexts. They will make connections between their own lives and the lives of those they read. They will continue to develop their understanding of rhetoric through their reading, writing, and dialoguing. Students will develop speaking skills through continued rehearsal techniques and will perform a formal speech. Students will continue to research authentic questions so they can orally articulate a claim supported by evidence while differentiating between primary and secondary document sources. They will continue to develop and monitor their own reading, writing, and thinking processes as they read self-chosen texts, write about self-chosen topics, and think about their thinking.

31111 (A), 31112 (B) **HONORS COMPOSITION/LITERATURE 10**

2 Semesters .5 Credit Each

Prerequisite: Successful Completion of Level 9

Grades 10 – 12

***HEAR, NCAA Approved**

This course is designed for students willing to exert effort to master literature, writing, and discussion. It provides an excellent foundation for those who plan to take Advanced Placement Language and Literature courses as well as those who desire to enhance their scores on college entrance exams. The expectations for students taking this class exceed those for students in the standard Level 10 core courses. The literature covered is difficult, abstract and comprehensive in nature. The writing expected in this class is extensive and includes a research paper.

YEAR 11 COMPOSITION

31161 (A), 31162 (B) **COMPOSITION/LITERATURE 11**

2 Semesters .5 Credit Each

Prerequisites: Successful Completion of Levels 9 and 10 Core Requirements

Grades 11 – 12

*** HEAR, NCAA Approved**

In eleventh grade, the learning of reading, writing, thinking, speaking, listening and researching focuses on the concept of Freedom and Responsibility. Within this overarching theme, students will explore a variety of historical texts and genres through close reading and will write narrative, argumentative and informative texts. Students will compare and contrast two or more complex characters with different motivations while focusing on comparing the historical contexts. They will make connections between their own lives and the lives of those they read. They will continue to develop their understanding of rhetoric through their reading, writing, and dialoguing. Students will research, write, and explore their interests in their chosen career path to meet ICAP requirements. They will develop speaking skills through continued rehearsal techniques and will deliver at least one multimedia presentation. Students will continue to research authentic questions so they can orally articulate a claim supported by evidence while differentiating between primary and secondary document sources. They will continue to develop and monitor their own reading, writing, and

thinking processes as they read self-chosen texts, write about self-chosen topics, write on demand, and think about their thinking.

31191 (A), 31192 (B) **ADVANCED PLACEMENT ENGLISH LANGUAGE** ★\$↑ 2 Semesters .5 Credit Each
Prerequisites: Successful completion of Levels 9 and Honors 10 Core Requirements and/or Counselor/Teacher Recommendation Required
Grade 11 – 12

***HEAR, NCAA Approved**

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods.

YEAR 12 LITERATURE

XXXXX **LITERATURE/COMPOSITION** 1 Semester .5 Credit
Prerequisites: Successful completion of Levels 9, 10 and 11 core requirements
Grade 12

***HEAR, NCAA APPROVED**

In this survey course, students read and analyze the ideas of major 20th and 21st Century authors. Students respond to a variety of literary selections by writing about and discussing that literature. Activities and study center on the appreciation and understanding of author technique and recurrent themes. This course emphasizes challenging levels of communication demonstrated by discussion, research, critical thinking and comprehensive reading and writing skills.

H0101 **CMU ENGL 111 ENGLISH COMPOSITION** ★\$↑ 1 Semester .5 Credit – GJHS & 3 CMU Credits
Grade 12

The High School Scholars Program offers dual enrollment and credit at GJHS and Colorado Mesa University.
Prerequisite: Successful completion of Levels 9, 10 and 11 ELA core requirements, a minimum 2.5 GPA, and a score of 470 on the SAT reading and writing portion.

HEAR, NCAA APPROVED

Introduction to writing as a process with an emphasis on achieving rhetorical purpose.

H0102 **CMU ENGL 112 ENGLISH COMPOSITION** 1 Semester .5 Credit – GJHS & 3 CMU Credits
Grade 12

The High School Scholars Program offers dual enrollment and credit at GJHS Colorado Mesa University.
Prerequisite: Successful completion of CMU ENG 111 (Grade of C or above), or a 3 or higher on the AP English Language exam, and a minimum 2.5 GPA.

HEAR, NCAA APPROVED

The practice of academic writing that extends one's own thinking in response to the ideas of others.

31301(A), 31302 (B) **ADVANCED PLACEMENT ENGLISH LITERATURE** 2 Semester .5 Credit Each
Prerequisites: Successful completion of Levels 9, 10 and 11 core requirements
Counselor/Teacher recommendation required
Grade 12

***HEAR, NCAA APPROVED**

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

ENGLISH ELECTIVES

31370 **FORENSICS I (Speech & Debate)** ★↑ 1 Semester .5 Credit
Prerequisites: None
Grades 9 – 12

***HEAR, NCAA APPROVED**

Forensics is a debate-focused speech class that will give students the opportunity to develop strategies and knowledge related to logical reasoning and argumentation. Students will learn to verbalize thoughts

clearly and dynamically; organize ideas clearly and appropriately; generate speeches for a variety of occasions; develop self-confidence to express ideas fluently; debate successfully using individual, team, and group skills; research effectively; defend positions using evidence.

31380 FORENSICS II (Speech & Debate II)

★↑

1 Semester .5 Credit

Prerequisites: Forensics I or Teacher Recommendation,

Grades 9 – 12

***HEAR, NCAA APPROVED**

This is a class for students with above-average speaking skills. The primary focus of this class is debate. Debaters will continue to develop the skills learned in Forensics I and apply these to new debate topics. Competition outside of class will be required.

31425 MYTHOLOGY I

★

1 Semester .5 Credit

Prerequisite: None

Grades 9 – 10

***HEAR, NCAA APPROVED**

In this one semester class, students study the myths, legends, and folklore of many cultures with an emphasis on Greek and Roman mythology. Students read a variety of literary forms such as short stories, plays, poetry, and novels. Students then discuss and write about the literature, gaining greater insight by comparing modern interpretations to ancient mythological stories.

31430 MYTHOLOGY 2

★

1 Semester .5 Credit

Prerequisite: None

Grades 11 – 12

***HEAR, NCAA APPROVED**

In this one semester class, students study the myths, legends, folklore, and adventures of many world cultures and mythologies. Students read a variety of literary forms such as short stories, plays, poetry, and novels. Students then discuss and write about the literature, gaining greater insight by comparing modern interpretations to mythological stories.

31840 VIDEO/MEDIA PRODUCTION

\$

1 Semester .5 Credit

Prerequisite: None

Grades 10 – 12

In this course, students will develop technical, computer and communication skills necessary for effective studio production including, but not limited to, scripting, story-boarding, camera manipulation, audio production, lighting, editing, and final production for broadcast. Students will develop, shoot, edit, direct, and produce in various projects, which may include film, advertising, publication in online news magazines, podcasting or other means of broadcast and publishing. Students will experience various roles in the process and understand the basics of video productions. **The Class Fee is \$10.00**

31460 AFRICAN LITERATURE

★

1 Semester .5 Credit

Prerequisites: Successful completion of Level 9 core requirement

Grades 10 – 12

***HEAR, NCAA APPROVED**

In this course, students will experience the literature and explore the cultural traditions found on the African continent. Emphasis will be place on students exploring the complex issues affecting Africa as expressed through contemporary African writers as well as the rich cultural background found in folktales, myths, historical and non-fiction texts. students will seek connections between their own culture and experiences and those expressed in literature and cultural studies.

31500 SCIENCE FICTION

★

1 Semester .5 Credit

Prerequisites: Successful completion of Level 9 core requirement

Grades 10 – 12

***HEAR, NCAA APPROVED**

This course presents the roots and development of science fiction through short stories, novels, and films. Students explore major themes in the field to gain a greater understanding of the genre and how science fiction uses imaginary beings or events to comment on society. Class discussions, student writing, and projects focus on major science fiction authors' works. Opportunities to write and experiment with original science fiction selections are encouraged.

31540 HUMANITIES	★	1 Semester .5 Credit Grades 10 – 12
<i>Prerequisites:</i> Successful completion of Level 9 core requirement		
*HEAR, NCAA APPROVED		
Through a historical lens students will study the fine arts such as architecture, dance, and other art forms to gain an understanding of historical and sociological significance of the human experience. Students engage in class and group discussions, write papers, and create projects in order to examine the relationships between the arts. The course is arranged chronologically. *Will fulfill .5 Fine Arts Elective credit if English elective already fulfilled		
31620 CREATIVE WRITING	★↑	1 Semester .5 Credit Grades 10 – 12
<i>Prerequisites:</i> Successful completion of Level 9 core ELA class		
*HEAR, NCAA APPROVED		
This is a class for the student who seeks to develop a strong foundation in writing. This course provides instruction in and exploration of the following areas: developing characters, writing natural dialogue, creating realistic plots, and writing a poem, short story, or short play in a format suitable for publication.		
31650 ADVANCED CREATIVE WRITING	★	1 Semester .5 Credit Grades 10 – 12
<i>Prerequisites:</i> successful completion of Creative Writing or teacher recommendation		
*HEAR, NCAA APPROVED		
This class is for the advanced, disciplined writer who wants to improve his or her skills and explore new genres. Students will create individual portfolios reflecting mastery of his/her writing goals. Each student will contract with the teacher to write an agreed number of pieces per term. Production of a literary magazine could live naturally in this course.		
31220 BRITISH LITERATURE AND COMPOSITION I (900 – LATE 1600's)		1 Semester .5 Credit Grade 12
<i>Prerequisites:</i> Successful completion of Levels 9, 10 and 11 core requirements		
*HEAR, NCAA APPROVED		
Students expand their literary background through a chronological survey of the literature of Britain. Students read and discuss notable and universally appealing literature, including works by Chaucer and Shakespeare to Austin, Keats, Hardy and Wolff. The course emphasizes challenging levels of communication demonstrated by aggressive discussion, research, critical thinking and comprehensive reading and writing skills.		
31240 BRITISH LITERATURE AND COMPOSITION II (LATE 1600'S – Present)		1 Semester .5 Credit Grade 12
<i>Prerequisites:</i> Successful completion of Levels 9, 10 and 11 core requirements		
*HEAR, NCAA APPROVED		
Students expand their literary background through a chronological survey of the literature of Britain from the late 1600's to the 20th century. Students read and discuss notable and universally appealing literature, including works by Austin, Keats, Hardy and Wolff. The course emphasizes challenging levels of communication demonstrated by aggressive discussion, research, critical thinking and comprehensive reading and writing skills.		
31850 FOUNDATIONS OF DESIGN, MULTIMEDIA, ARTS, & DIGITAL COMM	\$	1 Semester .5 Credit Grades 9 – 12
<i>Prerequisite:</i> None		
Students are introduced to a variety of programs and occupations in the arts, audio/video technology, and communications systems. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities. The course looks into the world of social media and its uses.		
31710 REPORTING A (Journalism)	★\$	1 Semester .5 Credit Grades 9 – 12
<i>Prerequisites:</i> None		
Students are introduced to the variety of programs and occupations in audio/video technology, and communications and media systems. Students will demonstrate an understanding of how to gather information that may be published in print or online media. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual.		
31720 REPORTING B (Journalism)	★\$	1 Semester .5 Credit Grades 9 – 12
<i>Prerequisites:</i> Reporting A		
Students are introduced to the variety of programs and occupations in audio/video technology, and		

communications and media systems. Students will demonstrate an understanding of how to gather information that may be published in print or online media. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual.

31855 (A), 31856 (B) **PRINT MEDIA I & II (Orange & Black)** ★\$ 2 Semesters .5 Credit Each
Prerequisites: Reporting or Photography with a C or higher or Teacher Recommendation Grades 10 – 12
 Computer skills recommended

Students demonstrate their understanding of a variety of programs and occupations in print media using digital tools that are widely available in professional publication work. Focus is on producing content for reader-oriented publications. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual.

31857 (C), 31858 (D) **ONLINE MEDIA I & II (Orange & Black)** ★\$ 2 Semesters .5 Credit Each
Prerequisites: Print Media I & II with a C or higher Grades 11 – 12

Students demonstrate their understanding of a variety of programs and occupations in online media using digital tools that are widely available in professional media work. Focus is on producing content for online consumer-oriented platforms. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual.

35663 (A), 35664 (B) **GRAPHIC DESIGN & ILLUSTRATION I (Yearbook)** \$ 2 Semesters .5 Credit Each
Prerequisite: Foundations of Design/Multimedia Arts/Digital Comm, Reporting, or Photography with a C or higher or Teacher Rec Grades 10 – 12

This entry level course is for training in the visual communication portion of all media businesses. Students learn about a career in the many kinds of media and graphic design and illustration jobs. Digital photography and working towards the intermediate level use of image editing and drawing programs are strongly focused upon in this class. This is helpful for any future photographer, videographer, animator or advertiser. Students will begin developing a high quality portfolio for college or design school.

35665 (A), 35666 (B) **GRAPHIC DESIGN & ILLUSTRATION II A & B (Yearbook)** \$ 2 Quarters 1 Credit
Prerequisite: Graphic Design & Illustration I with a C or higher Grades 11 – 12

Design portfolios are expanded upon and improved in this second year of Graphic Design and Illustration. There is study of college art and media programs. More time is spent learning advanced concepts in illustration and the advertising and media business as well as new software programs while continuing to hone skills in image editing and digital photography. Large format printing of projects is common in this class.

31201 (A) 31202 (B) **AP Seminar** 2 Semesters .5 Credit Each
Prerequisites: Recommendation of a teacher or counselor Grades 10 – 12

***NCAA APPROVED**

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

31206 (A) 31207 (B) **AP Research** 2 Semesters .5 Credit Each
Prerequisites: AP Seminar A&B with a 3 or higher on the AP exam Grades 10 – 12

***NCAA APPROVED**

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a

yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information.

31870 THEATRE ARTS I (Beginning Acting)



1 Semester .5 Credit

Prerequisites: None

Grades 9 – 12

In this course students experience a wide range of dramatic literature and explore theatre traditions. Students will read, analyze and discuss dramatic selections and experiment with creating dramatic literature. Students will be exposed to all different forms and time periods of theatre. Students will also do a playwriting unit. Students also assist in construction of the current productions' set. This is not an acting course, but some acting may be required. ***Will fulfill .5 Fine Arts Elective credit if English elective already fulfilled**

31880 THEATRE ARTS II



1 Semester .5 Credit

Prerequisites: Theatre Arts I

Grades 9 – 12

This course is for students wanting to expand their knowledge of theatre arts. The students will compare and contrast scripts and performances from all around the world to understand the impact these performances have in an artistic and historical context. Students may be requested to attend a show outside of class time. The course can be used to meet the Fine Arts graduation requirement. ***Will fulfill .5 Fine Arts Elective credit if English elective already fulfilled**

31910 ADVANCED ACTING



1 Semester .5 Credit

Prerequisites: Theatre Arts I

Grades 9 – 12

This course builds upon the foundations set down in Beginning Acting. This course provides many opportunities for actors to hone their acting skills. Advanced Acting students will be expected to perform longer scenes in workshop sessions, and may be called upon to demonstrate their techniques for newer students. ***Will fulfill .5 Fine Arts Elective credit if English elective already fulfilled**

31920 TECHNICAL THEATRE I (Play Production)



1 Semester .5 Credit

Prerequisites: None

Grades 9 – 12

In this "hands-on" course students are introduced to the many aspects of theatrical production by designing and building the sets for the drama club plays. Activities also include reading and writing scripts, designing and producing settings and costumes, and analyzing characters. Students explore the interrelationships of script, performance and staging with an emphasis on the organization and teamwork needed to produce successful, quality productions. This course can qualify as an English elective credit, as a general elective credit, or fine art credit. **The Class Fee is \$10.00.**

31921 TECHNICAL THEATRE 2 (Advanced Play Production)



1 Semester .5 Credit

Prerequisites: Technical Theatre I or Teacher Recommendation

Grades 9 – 12

Advanced Play Production is intended for the student who has successfully completed Beginning Play Production and wishes to continue to explore and improve the skills he or she has learned in Beginning Play Production. The student will be expected to work at a higher level of competency than the beginning student and will be assigned a section of the set and a group of students to direct to complete the set. This course can qualify as an English elective credit, as a general elective credit, or fine art credit. This class does not meet the NCAA English requirement. **The Class Fee is \$10**

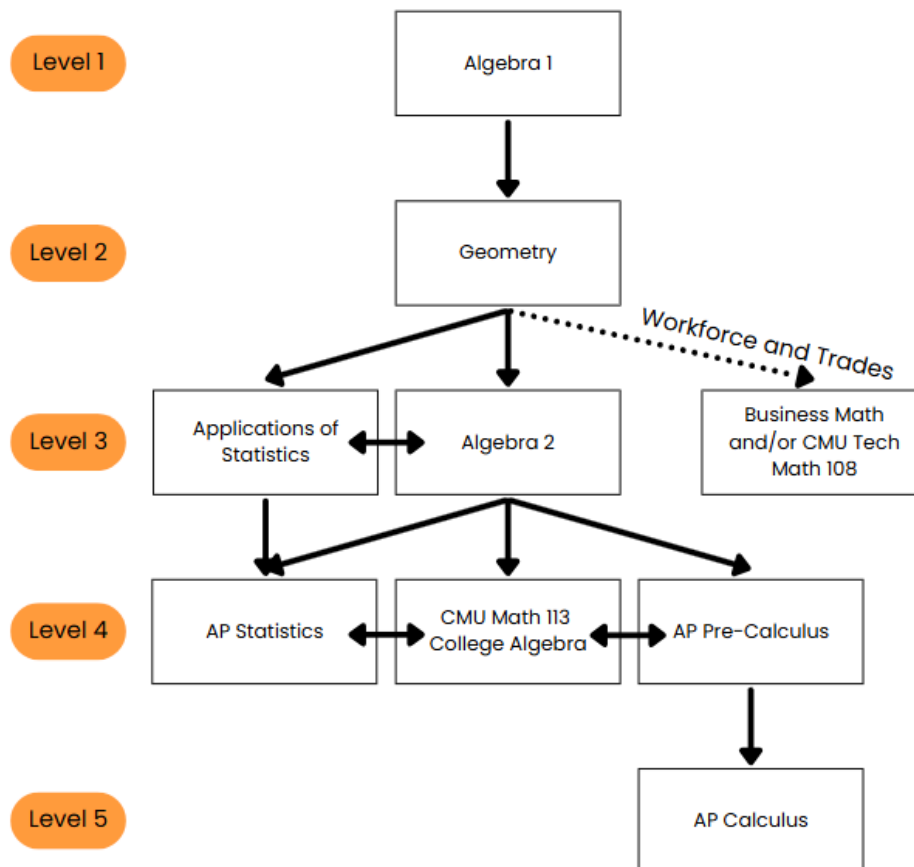
MATHEMATICS

At GJHS, students must take three credits of mathematics in order to graduate. College-bound students are required to take four credits of mathematics to be accepted into a 4-year Colorado state college or university. The four credits will come from the Algebra 1, Geometry, and Algebra 2 courses, as well as one year-long or two semester-long upper level math classes.

The following courses are the options for students, broken down by grade level and by time offerings. There are two time options for Algebra 1, Geometry, and Algebra 2. The first time offering is a regular, year-long 45 minute course. This format is designed for all students at all levels. The second offering is an accelerated, semester-long 90 minute block course. It is designed for highly-motivated students wishing to earn more than four credits in math during high school. These accelerated courses move twice as fast through material and have twice as much work as the regular course. If students want to take AP Calculus, they will need to accelerate their learning to complete Pre-Calculus by the end of their junior year.

The pathway for math classes is shown below. All students must take Algebra and Geometry. After Geometry, students should enroll in upper level math courses aligned to their college and career goals. Students are highly encouraged to take math through their Senior year. Math credits can also be earned through Accounting, Personal Finance, and Career Center, and CMU Tech programs.

Math Course Progression



32061 (A), 32062 (B) **ALGEBRA 1 (45 minutes for whole year)**
32051 (A), 3205 (B) HON **ALGEBRA 1 BLK (90 minutes for 1 semester)**

2 Semesters .5 Credit Each
Grades 9 – 12

Prerequisite: None

***HEAR, NCAA APPROVED**

Algebra 1 is a year-long mathematics course where learners explore concepts that develop an understanding of mathematical relationships, functions, and models, both in and out of context, with an emphasis on problem solving. In the exploration of concepts, symbols are used in place of numbers to describe and generalize patterns and relationships. Learners utilize conceptual understanding, skills, multiple representations, and strategies that address linear functions, linear systems of equations, exponential functions, and use statistical models to analyze relationships represented by data, and apply these concepts in real world situations. The TI-84 Plus calculator is required for this course.

NOTE: Algebra 1 BLK is designed for the accelerated student interested in taking AP Calculus senior year. It is only offered in the fall semester, and students must also sign up for the Geometry Block spring semester. It is the exact same course as Algebra 1, but with the same number of minutes of instruction completed in one semester instead of two. It will have twice as much material to learn daily and is not recommended for students who struggle with time in math classes or heavy workloads.

32215 (A), 32216 (B) **ALGEBRA 1 LAB**

1-2 Semesters .5 Credit Elective Each

Prerequisite: Teacher Recommendation

Grades 9 – 12

The Math Lab is a teacher recommended intervention connected to the Algebra 1 course. The course is designed to provide extra support for students in Algebra 1. Math faculty assist students by helping them keep up in the current course and catch up on math skills that may not have been previously mastered. No additional outside work is assigned in these classes.

32081 (A) 32082 (B) **GEOMETRY (45 minutes for whole year)**
32075 (A) 32076 (B) HON **GEOMETRY BLK (90 minutes for 1 semester)**

4 Quarters .5 Credit Each
Grades 9 – 12

Prerequisite: C or better in Algebra 1

***HEAR, NCAA APPROVED**

Geometry 1 is a year-long course in which learners engage with concepts at a typical pace over the course of a school year. Geometry is a branch of mathematics that uses logic and formal thinking to establish mathematical relationships between points, lines, triangles, transformations, and quadrilaterals. Learners engage in Euclidean and analytical geometry by using lines, angles, polygons, and planes with emphasis on systematic approaches to and processes for proving and applying theorems. Students will explore rigid and nonrigid transformations of figures in the coordinate plane and use them to establish congruence theorems. Algebraic thinking will be applied throughout the course. A TI-84 Plus graphing calculator is required for this class. NOTE: Geometry BLK is designed for the accelerated student interested in taking AP Calculus as an upperclassman. Students must sign up for a second block math class to take during the other semester. It is the exact same course as Geometry, but with the same number of minutes of instruction completed in one semester instead of two. It will have twice as much material to learn daily and is not recommended for students who struggle with time in math classes or heavy workloads.

32088 (A), 32089 (B) **GEOMETRY LAB**

1-2 Semesters .5 Credit Elective Each

Prerequisite: Teacher Recommendation

Grades 10 – 12

The Math Lab is a teacher recommended intervention connected to the Geometry course. The course is designed to provide extra support for students in Geometry. Math faculty assist students by helping them keep up in the current course and catch up on math skills that may not have been previously mastered. No additional outside work is assigned in these classes.

32101 (A) 32102 (B) **ALGEBRA 2 (45 minutes for whole year)**
32106 (A) 32107 (B) **ALGEBRA 2 BLK (90 minutes for 1 semester)**

4 Quarters .5 Credit Each
Grades 9 – 12

Prerequisite: C or better in Algebra 1 and Geometry

***HEAR APPROVED**

Algebra 2 is a year-long course that is a branch of mathematics that uses symbols in place of numbers to describe and generalize patterns and relationships. Algebra 2 addresses math standards that build towards advanced algebraic topics, extending prior coursework and improving mathematical reasoning skills. Topics include the complex number system, the study of polynomial, rational, exponential, logarithmic, and radical function families with an increased emphasis on modeling, and systems of equations. In Algebra 2, students will perform operations and identify restrictions on rational expressions (expressions that contain rational numbers as coefficients). Algebra 2 will introduce the new concept of complex numbers while continuing the work of Algebra 1 and quadratics. Students will solve a variety of functions: linear and

quadratic systems, rational, exponential and logarithmic. A TI-84 Plus graphing calculator is required for this class.

NOTE: Algebra 2 BLK is designed for the student interested in taking AP Calculus as an upperclassman. It is only offered spring semester, and students must also sign up for the Geometry Block fall semester. It is the exact same course as Algebra 2, but with the same number of minutes of instruction completed in one semester instead of two semesters. It will have twice as much material to learn daily and is not recommended for students who struggle with time in math classes or heavy workloads.

32104 (A), 32105 (B) **ALGEBRA 2 MATH LAB** 1-2 Semesters .5 Credit Elective Each
Prerequisite: Teacher Recommendation and/or Self-Election Grades 11 - 12
The Math Lab is a teacher recommended intervention connected to Algebra 2. The course is designed to provide extra support for students in these courses. Math faculty assist students by helping them keep up in the current course. No additional outside work is assigned in these classes.

32175 (A) 32176 (B) **ADVANCED PLACEMENT PRECALCULUS** \$0 2 Semesters .5 Credit Each
Prerequisite: C or better in Algebra 1, Geometry, and Algebra 2 Grades 10 - 12

***HEAR, NCAA APPROVED**

This semester course fosters the development of a deep conceptual understanding of functions. Students acquire and apply mathematical tools in real-world modeling situations. Modeling, a central instructional theme for this course, helps students come to a deeper understanding of each function type to include (A) polynomial, rational, exponential, and logarithmic functions; (B) trigonometric and polar functions, plus functions involving parameters, vectors, and matrices. Students develop and hone symbolic manipulation skills, solve equations, and manipulate expressions and in turn the skills learned in this course are widely applicable in a variety of future courses that involve quantitative reasoning.

32181 (A), 32182 (B) **ADVANCED PLACEMENT CALCULUS AB** \$0 2 Semesters .5 Credit Each
Prerequisite: C or better in Precalculus Grades 11 - 12

***HEAR, NCAA Approved**

AP Calculus AB and AP Calculus BC focus on students' understanding of calculus concepts and provide experience with methods and applications. Through the use of big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), each course becomes a cohesive whole, rather than a collection of unrelated topics. Both courses require students to use definitions and theorems to build arguments and justify conclusions. The courses feature a multi representational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems.

32380 (A), 32381 (B) **ADVANCED MATH LAB** 1-2 Semesters .5 Credit Elective Each
Prerequisite: Teacher Recommendation and/or Self-Election Grades 11 - 12

The Math Lab is a teacher recommended intervention connected to courses taken after Algebra 2, with an emphasis on Pre-Calculus and AP Calculus. The course is designed to provide extra support for students in these courses. Math faculty assist students by helping them keep up in the current course. No additional outside work is assigned in these classes.

32147 (A), 32148 (B) **ADVANCED PLACEMENT STATISTICS** \$0 2 Semesters .5 Credit Each
Prerequisite: C or better in Algebra 1, Geometry, and Algebra 2 Grades 10 - 12

***HEAR, NCAA Approved**

The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. *May be taken in addition to a core math class in 10th or 11th grade, or by itself in 12th grade.*

35600 (A), 35601 (B) ADVANCED PLACEMENT COMPUTER SCIENCE

2 Semesters .5 Credit Each

Prerequisite: Geometry

Grades 10 - 12

The AP Computer Science course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. It includes the study of data structures, design, abstraction using Java language, and the responsible use of these systems. The course is equivalent to the first semester of a college-level course for students interested in pursuing a computer science career field. *May be taken in addition to a core math class in 10th or 11th grade, or by itself in 12th grade.*

35715 (A), 35717 (B) BUSINESS MATH

1 Semester .5 Credit

Grades 11-12

This course is designed to assist students in learning to use math effectively as a tool in their lives as workers and consumers. Methods students can use to approach problem solving in a logical manner are emphasized. Realistic business situations including personnel, purchasing, marketing, accounting records, and corporate planning will be addressed. Concepts covered in prior core math classes will be applied to realistic business situations. Evaluation is based upon completion of in-class assignments, a moderate amount of homework, quizzes, unit exams, and cumulative projects.

32150 (A), 32151 (B) APPLICATIONS OF STATISTICS

\$0

1 Semester .5 Credit

Prerequisite: Geometry

Grades 11-12

*** HEAR, NCAA Approved**

This course will focus on the applications of statistics as students explore how statisticians contribute to our understanding of the world. Students will study effective ways to analyze data to develop their ability to evaluate real-world information for the purpose of decision making and becoming informed consumers of information. In this course, students will apply their statistical knowledge to gathering data and drawing conclusions based on statistical evidence. A TI-84 Plus graphing calculator is required for this class.

32125 PRE-COLLEGE ALGEBRA

1 Semester .5 Credit

Prerequisite: Senior, Passed Geometry, SAT below 500, ACT below 19

Grades 12

*** HEAR, NCAA Approved**

Further study in topics of algebra. Includes properties of real and complex numbers; laws of exponents and radicals; factoring polynomials; solving linear and quadratic equations and inequalities; rational expressions and complex fractions; introduction to functions and relations; applications.

H0201 CMU MATH 113 COLLEGE ALGEBRA

\$0

1 Semester .5 Credit – GJHS

1 Semester 4 Credits –CMU

Prerequisite: Successful completion of Algebra 2, GPA of 3.0 or higher, and score of 19 on Math portion of the ACT, 540 on Math portion of SAT, or an equivalent ALEKS score

***HEAR, NCAA Approved**

This course is a college-level treatment of algebra. Topics include algebraic properties of the integers; rationals, real and complex numbers; techniques for manipulation of expressions; techniques for solving linear, non-linear, absolute value equations, and inequalities; techniques for solving systems of equations; the Cartesian plane, relations and functions; properties and graphs of polynomial, rational, exponential, logarithmic and inverse functions; and conic sections. A TI-84 Plus graphing calculator is required for this class. Students must purchase or rent a textbook for this class.

H0205 CMU MATH 108 TECHNICAL MATHEMATICS

1 Semester 5 Credit – GJHS

Prerequisite: Successful completion of Algebra I

1 Semester 4 Credits – CMU

Grades 11 - 12

***HEAR, NCAA Approved**

Covers material designed for career technical or general studies students who need to study particular mathematical topics. Topics may include measurement, algebra, geometry, trigonometry, graphs, and/or finance. These are presented on an introductory level and emphasis is on applications. *This course is reserved for students in P-TECH programs.*

PERFORMING ARTS

These courses meet the .5 credit Fine Arts requirement.

CHOIR

38568 (A) 38569 (B) **TREBLE CHORUS** ★ 1-2 Semesters .5 Credit Each
Prerequisite: None Grades 9 – 12

Beginning Treble choir is for all women who wish to sing in a choir and learn about vocal music. Students will sing a variety of choral literature and learn basic music theory. As this is a performance-based class, all performances are mandatory, and carry a significant weight in the students' grades. No audition necessary. **A \$15 participation fee is required, and members need to purchase components of their concert attire.**

38591 (A) 38592 (B) **MIXED CHORUS** ★ 2 Semesters .5 Credit Each
Prerequisite: Audition required Grades 9 – 12

Mixed choir is for men and women who have demonstrated an intermediate level of vocal skill and musical proficiency, as well as a desire to grow in these areas. Students will sing a variety of choral literature and learn basic music theory. As this is a performance-based class, all performances are mandatory and carry significant weight in the students' grades. A participation fee is required, and members need to purchase components of their concert attire. Audition necessary in the spring of the previous school year unless special circumstances prevail. Juniors and seniors taking this course may be eligible for All-State Choir. **A \$15 participation fee is required, and members need to purchase components of their concert attire.**

38572 (A) 38573 (B) **ADVANCED TREBLE CHORUS** ★ 2 Semester .5 Credit Each
Prerequisite: Audition Grades 9 – 12

Advanced treble ensemble is a select group for students who have demonstrated an advanced level of vocal skill, musical proficiency, and a desire for excellence. Students will sing a variety of choral literature and learn more advanced music theory. As this is a performance-based class, all performances are mandatory, and carry a significant weight in the students' grades. Additional performances may be scheduled for this ensemble throughout the school year. Students in this ensemble are also required to hold weekly sectionals during lunch or after school. Audition necessary in spring of previous school year. **A \$15 participation fee is required, and members need to purchase components of their concert attire.**

38688 (A) 38689 (B) **WESTWINDS** ★ 2 Semesters .5 Credit Each
Prerequisite: Audition Grades 10 – 12

Westwinds is an elite jazz choir for men and women who have demonstrated an advanced level of vocal skill, jazz proficiency, and a desire for excellence. Students will sing various styles of jazz, both as an ensemble and a soloist, and learn about chord progressions and improvisation. As this is a performance-based class, all performances are mandatory, and carry a significant weight in the students' grades. Additional performances will be scheduled for this ensemble throughout the school year. Students in this ensemble are also required to hold weekly sectionals during lunch or after school. Audition necessary in spring of previous school year. **A \$15 participation fee is required, and members need to purchase components of their concert attire.**

38600 (A), 38610 (B) **SELECT CHORUS- "Chamber Choir"** ★ 2 Semesters .5 Credit Each
Prerequisite: Audition Grades 9 – 12

Chamber choir is a select group for men and women who have demonstrated an advanced level of vocal skill, musical proficiency, and a desire for excellence. Students will sing a variety of choral literature and learn more advanced music theory. As this is a performance-based class, all performances are mandatory, and carry a significant weight in the students' grades. Additional performances may be scheduled for this ensemble throughout the school year. Students in this ensemble are also required to hold weekly sectionals during lunch or after school. Audition necessary in spring of previous school year. **A \$15 participation fee is required, and members need to purchase components of their concert attire.**

38581 (A), 38582 (B) **TENOR-BASS CHOIR** ★ 2 Semesters .5 Credit Each
Prerequisite: None Grades 9 - 12
 This choir is for lower range voices only. Students will learn various skills to develop and improve their musicianship including vocal technique, how to read music, and the basics of music theory and history. This choir performs four required concerts per year. Students are provided other performance opportunities such as Solo/Ensemble contests and various state and regional honor groups. This choir performs at contests and festivals. Grades are based on rehearsal attendance, participation and music reading progress as well as written and performance-based assessments. Members will need to rent concert attire. Juniors and seniors taking this course may be eligible for All-State Choir. **A \$15 participation fee is required, and members need to purchase components of their concert attire.**

BAND

38829 (A), 38835 (B) **SYMPHONIC BAND** ★ 2 Semester .5 Credit Each
 Grades 9 - 12
Prerequisite: Prior Experience in Concert Band; ability to read music and must be proficient on a Wind or Percussion Instrument; permission of director
 This course is designed to further the students' knowledge and skill levels acquired in previous band experiences. Strong emphasis will be placed on the development of individual skills. Further, this class will focus on the fundamental knowledge of music theory and music history necessary for individual development as a musician. Rehearsals, performances, and travel outside of class will be a part of this course and are required as part of the grade. This band performs at concerts and festivals. Private lessons are strongly encouraged for this ensemble. **The Class Fee is \$15.00**

38871 (A), 38872 (B) **WIND ENSEMBLE** ★ 2 Semesters 1 Credit
 Grades 10 - 12
Prerequisite: Audition; prior experience in Concert Band and/or Symphonic Band; ability to read music and proficient on a Wind or Percussion Instrument; permission of director.
 This class is a one per part advanced ensemble open by audition to all band students. This class will also form the Pit Orchestra for the spring musical and the Full Orchestra. Auditions for this group are held in April and follow the guidelines for All-State Concert Band and BOTWSB. Private lessons are strongly encouraged for this ensemble. **The Class Fee is \$15.00**

38810 **MARCHING BAND** ★ 1 Semester .5 Credit
 Grades 9 - 12
Prerequisite: Prior Experience in reading music and playing an instrument. Color Guard and Percussion by audition only.
 Marching Band membership is composed of winds, percussion, and color guard. The marching band is open to all students; prior marching experience is not needed. Wind players must have prior band experience. All members of the marching band wind section, and color guard must enroll for this class during the fall term. This band performs for local parades, civic functions, football games, competitions, and pep rallies. Participation in festivals and some travel will be a part of this class. Major emphasis in this class is on the preparation of performances. Attendance at rehearsals and public performances outside of class time are part of this commitment and as such are required as part of the grade. This class may meet after school. A schedule will be provided. This class required a uniform cleaning fee. Three consecutive years of marching band can be used to fulfill the ½ credit PE graduation requirement. Forms may be found in the counseling center, band room or on the band webpage. **The Class Fee is \$30.00**

Color Guard and Percussion are by audition only. Clinics and tryouts are held in the spring of the previous year, so if you are interested in either section, please watch for clinic announcements.

38850 **PERCUSSION ENSEMBLE (2nd Semester)** ★ 1 Semester .5 Credit
 Grades 9 - 12
Prerequisite: Permission of director; informal audition with the Director.
 The GJHS Drumline serves as the percussion section for the Tiger Pride Marching Band. The Drumline serves as the percussion section for the Marching Band. The drumline has a class of its own to focus on technique specific to the marching percussion idiom during 1st semester. Drumline is by audition only, but anyone can sign up for Percussion Ensemble which takes place 2nd semester. Placement on instruments is based upon an audition as well as the student's attitude, work ethic, and what best fits the ensemble. Students will

perform on their instruments with correct technique in and outside of an ensemble. Students must own their own sticks, mallets, and drum pad. **The Class Fee is \$30.00**

38876 **JAZZ BAND A (Freshmen)**



1 Semester .5 Credit

Grades 9 – 12

Prerequisite: Middle school director recommendation; successful completion of Concert Band; informal audition with the HS Director.

The jazz program functions as an enrichment experience for those students desiring to further their knowledge of music. It is not a replacement for the other band's experiences. Emphasis is on literature, styles, history and theory as it applies to the "Big Band Jazz" idiom. Public performances, travel, festivals and rehearsals outside of class time may be part of this course and are required as part of the grade. Participation in Jazz Band also requires participation in one of the concert bands unless special permission from the director is granted. This Jazz Band is required for all incoming freshmen who want to play jazz. **The Class Fee is \$15.00. The Tie Fee is \$10.00**

38881 (A), 38882 (B) **JAZZ BAND IA/IB (Advanced)**



2 Semesters .5 Credit Each

Grades 11 – 12

Prerequisites: Audition; Membership in Concert Band, Symphonic Band, Wind Ensemble, or Marching Band; Permission from Teacher

The jazz program functions as an enrichment experience for those students desiring to further their knowledge of music. It is not a replacement for the other band's experiences. Emphasis is on literature, styles, history and theory as it applies to the "Big Band Jazz" idiom. Public performances, travel, festivals and rehearsals outside of class time may be part of this course and are required as part of the grade. Participation in Jazz Band also requires participation in one of the concert bands unless special permission from the director is granted. Jazz Band I is made up of juniors and seniors. **The Class Fee is \$15.00. The Tie Fee is \$10.00.**

38900 (A) 38901 (B) **JAZZ IIA/IIB (Intermediate)**



2 Semesters .5 Credit

Each

Grades 10 – 12

Prerequisites: Audition; membership in Concert Band, Symphonic Band, Wind Ensemble or Marching Band both semesters; Permission of Director

The jazz program functions as an enrichment experience for those students desiring to further their knowledge of music. It is not a replacement for the other band's experiences. The emphasis is on literature, styles, history, and theory as it applies to the "Big Band Jazz" idiom. Public performances, travel, festivals and rehearsals outside of class time are a big part of this course and are required as part of the grade. Participation in Jazz Band also requires participation in one of the concert bands unless special permission from the director is granted. II A/B is a one per part advanced ensemble open by audition to all students who play an appropriate instrument for jazz. This ensemble is highly competitive to get into and requires membership in a concert band or other instrumental group at GJHS. This band plays at many local events and jazz festivals throughout the entire year. Auditions for Jazz I and II are held during the last month of school and follow the guidelines for WSCBA Honor Jazz Band. **The Class Fee is \$15.00. The Tie Fee is \$10.00.**

ORCHESTRA

38941 (A) 38942 (B) **CONCERT ORCHESTRA**



2 Semesters .5 Credit Each

Prerequisite: Prior Experience in Orchestra or Permission of Teacher

Grades 9 – 10

This course is open to all string players (violin, viola, cello, and string bass) by permission of the director. This course is designed to develop string-playing techniques and develop individual student's musicianship, which is needed to be a member of the Orchestra. Emphasis in this class will be placed on string orchestra ensemble playing. Performances outside of class are part of this course and attendance is required as part of the grade. Members will need to purchase or rent concert attire. Full year participation is encouraged. NOTE: Because of its historical significance, sacred and/or patriotic music is occasionally performed in this class. Members electing not to participate in works of this nature will be required to complete alternative assignments as determined by the director. **The Class Fee is \$15.00**

38951 (A), 38952 (B) **SYMPHONY ORCHESTRA**



2 Semesters .5 Credit Each

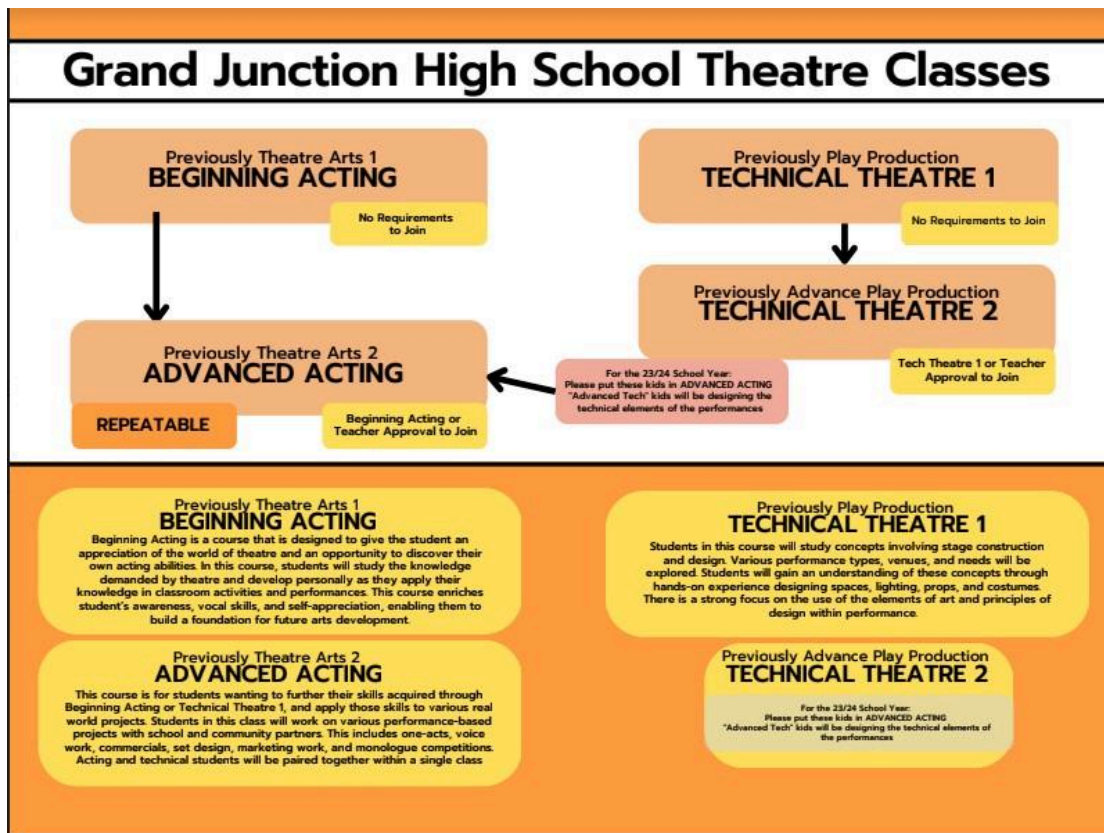
Prerequisite: Successful Completion of Concert Orchestra and Proficiency Test

Grades 10 – 12

Proficiency in All One Octave Major and Minor Scales, and a Skill-based Audition

This course is designed to further the students' knowledge and skill levels acquired in previous orchestra experiences. Strong emphasis will be placed on the development of individual skills. Further, this class will focus on the fundamental knowledge of music theory and music history necessary for individual development as a musician. rehearsals, performances, and travel outside of class will be a part of this course and are required as part of the grade. This ensemble performs at concerts and festivals. **The Class Fee is \$15.00**

THEATRE ARTS



31870 THEATRE ARTS I (Beginning Acting) ★

Prerequisites: None

1 Semester .5 Credit
Grades 9 – 12

In this course students experience a wide range of dramatic literature and explore theatre traditions. Students will read, analyze and discuss dramatic selections and experiment with creating dramatic literature. Students will be exposed to all different forms and time periods of theatre. Students will also do a playwriting unit. Students also assist in construction of the current productions' set. This is not an acting course, but some acting may be required. ***Will fulfill .5 Fine Arts Elective credit if English elective already fulfilled**

31880 THEATRE ARTS II ★

Prerequisites: Theatre Arts I

1 Semester .5 Credit
Grades 9 – 12

This course is for students wanting to expand their knowledge of theatre arts. The students will compare and contrast scripts and performances from all around the world to understand the impact these performances have in an artistic and historical context. Students may be requested to attend a show outside of class time. The course can be used to meet the Fine Arts graduation requirement. ***Will fulfill .5 Fine Arts Elective credit if English elective already fulfilled**

31910 ADVANCED ACTING ★

Prerequisites: Theatre Arts I

1 Semester .5 Credit
Grades 9 – 12

This course builds upon the foundations set down in Beginning Acting. This course provides many opportunities for actors to hone their acting skills. Advanced Acting students will be expected to perform

longer scenes in workshop sessions, and may be called upon to demonstrate their techniques for newer students. ***Will fulfill .5 Fine Arts Elective credit if English elective already fulfilled**

31920 **TECHNICAL THEATRE I (Play Production)**



1 Semester .5 Credit

Prerequisites: None

Grades 9 - 12

In this "hands-on" course students are introduced to the many aspects of theatrical production by designing and building the sets for the drama club plays. Activities also include reading and writing scripts, designing and producing settings and costumes, and analyzing characters. Students explore the interrelationships of script, performance and staging with an emphasis on the organization and teamwork needed to produce successful, quality productions. This course can qualify as an English elective credit, as a general elective credit, or fine art credit. **The Class Fee is \$10.00.**

31921 **TECHNICAL THEATRE 2 (Advanced Play Production)**



1 Semester .5 Credit

Prerequisites: Technical Theatre 1 or Teacher Recommendation

Grades 9 - 12

Advanced Play Production is intended for the student who has successfully completed Beginning Play Production and wishes to continue to explore and improve the skills he or she has learned in Beginning Play Production. The student will be expected to work at a higher level of competency than the beginning student and will be assigned a section of the set and a group of students to direct to complete the set. This course can qualify as an English elective credit, as a general elective credit, or fine art credit. This class does not meet the NCAA English requirement. **The Class Fee is \$10**

PHYSICAL EDUCATION

Graduation requirements include one physical education credit, split between Personal Fitness & Wellness and a second course. Successful completion of each course earns you a .5 credit. A t-shirt, shorts/sweats, and tennis shoes are mandatory for all P.E. classes which require a student to dress out. Students are limited to two P.E. classes per semester unless teacher approval is provided.

You may request that .5 credit of physical education be waived if one of the following conditions has been met and documentation is provided to your counselor:

1. Successful completion of three seasons of marching band *or*
2. Successful completion of three seasons of the same extracurricular sport.

You may not waive the .5 credit of Personal Fitness and Wellness.

36001 (A), 36002 (B) **UNIFIED/INCLUSIVE PE** 1 Semester .5 Credit
Prerequisites: Application must be filled out prior to acceptance into this class Grades 10 – 12
This course combines students of all abilities to participate in developmentally appropriate activities including lifetime activities, physical fitness and sport. Students will work together to increase competence and confidence in a variety of physical activities. **The Class Fee is \$5.00**

36600 **WEIGHTS** 1 Semester .5 Credit
Prerequisites: .5 credit of regular P.E. and Teacher/Coach Approval Grades 9 – 12
This course is designed to introduce students to an opportunity to participate in weight training and fitness training and to give students a better understanding of muscular strength, muscular endurance, cardiovascular endurance, speed and agility. Topics include weekly weight-training programs, fitness training, speed and agility training, and learning about anatomical make-up (muscles and bones). The evaluation will be based on daily participation in weight training/fitness training program, daily dress (t-shirt, shorts/sweats, and tennis shoes), and examinations on muscles and bones in relation to lifting. **The Class Fee is \$5.00**

36060 **FITNESS ACTIVITY** 1 Semester .5 Credit
Prerequisites: None Grades 9 – 12
Students will be actively engaged in a variety of different activities and games. Activities will include, but are not limited to, various types of aerobic and anaerobic movement, cardiovascular exercises, circuit training, team and individual activities, as well as fitness testing. **The Class Fee is \$5.00**

36050 **DANCE** 1 Semester .5 Credit
Grades 9 – 12
This is an introductory dance course. Students are introduced to basic steps as well as some history and dance composition. Students are expected to choreograph a short dance as a final project. **The Class Fee is \$5.00**

36120 **RACQUETS** 1 Semester
.5 Credit
Prerequisites: None Grades 9 – 12
This course will introduce pickleball, tennis, table tennis, badminton, eclipse-ball, and other racquet sports. Assessment over skill development, rules, and terminology will be emphasized. **The Class Fee is \$5.00**

36300 **TEAM SPORTS** 1 Semester .5 Credit
Prerequisites: None Grades 9 – 12
Students will be actively engaged in a variety of team-oriented sports. Such sports may include but are not limited to basketball, volleyball, flag football, soccer, lacrosse, softball, etc. **The Class Fee is \$5.00**

36780 PERSONAL FITNESS AND WELLNESS

1 Semester .5 Credit

Prerequisites: Successful Completion of .5 Physical Education Credit

Grades 10 – 12

The purpose of this activity-based course is to (a) enable students to extend and apply their knowledge of the five fitness components: cardiovascular fitness, muscular strength, muscular endurance, flexibility and body composition; (b) design, implement, and evaluate a personal fitness program; and (c) understand the influence of lifestyle choices on health and fitness. **The Class Fee is \$20.00**

36641 (A), 36642 (B) ATHLETIC WEIGHT TRAINING

1 Semester .5 Credit

Prerequisites: Must be on a GJHS Athletic team or previously taken and passed weights

First Semester Grades 10–12

Second Semester Grades 9 – 12

This course is designed for student-athletes. It gives student-athletes an opportunity to continue their weight training and fitness training during their sports season and during the off-season. The goal is to continue developing and increasing muscular strength, muscular endurance, cardiovascular endurance, speed and agility. Topics include: weekly weight training program, fitness training, speed and agility training, and learning about anatomical make-up (muscles and bones). Evaluation will be based on daily participation in weight training, fitness and conditioning training, and daily dress (T-shirt, shorts, sweats, and tennis shoes). **The Class Fee is \$5.00**

36308 (A)/36301(B) TRAINING/TEAM CONDITIONING A&B

1 Semester .5 Credit

Prerequisites: Must be on a GJHS Athletic team or previously taken and passed weights

First Semester Grades 10–12

Second Semester Grades 9 – 12

This course is designed for athletes. The course will include: weight lifting, plyometrics, conditioning, and a focus on specific skills. **The Class Fee is \$5.00**

33510 (A), 33511 (B) SPORTS EXERCISE/HEALTH

2 Semesters .5 Credit Each

Prerequisites: Biology

Grades 10 – 12

Sports, exercise and health science (SEHS) is an experimental science that combines academic study with -- the acquisition of practical and investigative skills. It is an applied science course within group 4, with aspects of biological and physical science being studied in the specific context of sports, exercise and health. Moreover, the subject matter goes beyond the traditional science subjects to offer a deeper understanding of the issues related to sports, exercise and health in the 21st century.

SCIENCE

33120 (A), 33130 (B) **BIOLOGY**

Prerequisites: None

2 Semesters .5 Credit Each

Grades 9 –12

***HEAR, NCAA APPROVED**

In this course, students explore the structure, function, interactions, evolution, and diversity of living organisms and their underlying processes. Through class discussions and investigations, students develop an understanding of the complex nature of biological systems. Emphasis is given to the development of laboratory skills and application of biological understanding and critical thinking skills to environmental and societal problems. **The Class fee is \$15.00**

33141 (A), 33142 (B) **HONORS BIOLOGY**

Prerequisites: Teacher Recommendation Required

2 Semesters .5 Credit Each

Grade 9 – 12

***HEAR, NCAA APPROVED**

Honors Biology prepares students for AP and IB Biology. Students study the structures, functions, and processes of living organisms and their interactions with the environment. Major themes include cell structure and specialization, energy and chemistry of life, genetics and evolution, diversity of life, and ecology. **The Class Fee is \$15.00**

33181 (A), 33182 (B), 33183 (C) **ADVANCED PLACEMENT BIOLOGY**

Prerequisite: Biology or Honors Biology

Strongly Recommended C or higher in Biology.



3 Semesters .5 Credit Each

Grades 10 – 12

***HEAR, NCAA APPROVED**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore core scientific principles, theories, and processes that govern living organisms and biological systems, including evolution, cellular and energy processes, communication, genetics, information transfer, and ecological interactions. **The Class Fee is \$15.00**

33401 (A) 33402 (B) **PHYSICS**

Prerequisites: Biology, Geometry

2 Semesters .5 Credit Each

Grades 10 – 12

***HEAR, NCAA APPROVED**

This course guides students in developing understanding of basic physics principles and enhances their ability to connect these principles with real life applications. Data collection, graphing, analysis, modeling, and problem solving are applied to a variety of topics such as motion, forces, energy, waves, electricity, and magnetism. Physics is a fundamental science discipline that is a foundation of all other sciences. **The Class Fee is \$15.00**

33405 (A) 33406 (B) 33407 (C) **ADVANCED PLACEMENT PHYSICS**

Prerequisites: Algebra 2, or currently enrolled in Algebra 2

3 Semesters .5 Credit Each

Grades 10 – 12

***HEAR, NCAA APPROVED**

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. **The Class Fee is \$15.00**

33427 (A) 33428 (B) **ADVANCED PLACEMENT PHYSICS 2**

Prerequisites: Algebra 2, AP Physics 1



2 Semesters .5 Credit Each

Grades 11 – 12

***HEAR APPROVED**

Units of study are 1. Electrostatics 2. Circuits 3. Magnetism 4. Fluids 5. Thermodynamics 6. Optics (lenses and mirrors) 7. Nuclear Physics. This class is a great follow up to AP physics 1 or regular physics and will reveal an even wider view of everyday life situations. This class is a must for future engineers, science majors, and anyone interested in physics. **The Class Fee is \$15.00**

33311 (A), 33312 (B) CHEMISTRY IN THE COMMUNITY*Prerequisites:* Biology and Algebra 1

2 Semesters .5 Credit Each

Grades 10 – 12

***HEAR, NCAA APPROVED**

Chemistry in the Community explores chemistry concepts through the lens of societal issues. Units use real-world examples to expose students to concepts in materials science, environmental chemistry, organic chemistry, biochemistry, and industrial chemistry. Emphasis is placed on refining laboratory skills. **The Class Fee is \$15.00**

33321 (A), 33322 (B) CHEMISTRY*Prerequisites:* Biology & Completion of Algebra 1

2 Semesters .5 Credit Each

Grades 10 – 12

***HEAR, NCAA APPROVED**

Chemistry is an inquiry-based course that examines matter and the changes it undergoes. Students engage in investigations to explore chemical bonding, atomic structure, chemical equations, and fundamental laws and theories. The course provides a deeper understanding of the scientific processes that go on around us and the interconnections among the sciences, technology, society, and the environment. **The Class Fee is \$15.00**

33331 (A), 33332 (B), 33333 (C) ADVANCED PLACEMENT CHEMISTRY*Prerequisites:* concurrent enrollment in Algebra 2 or higher

3 Semesters .5 Credit Each

Grades 10 – 12

***HEAR, NCAA APPROVED**

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. **The Class Fee is \$15.00**

33160 (A), 33161 (B) ZOOLOGY*Prerequisites:* Biology or Honors Biology (Grade of "C" or Higher Recommended)

2 Semesters .5 Credit Each

Grades 10 – 12

***HEAR, NCAA APPROVED**

Zoology is a survey of the animal kingdom with an analysis of systems relevant to their classification. The intention is to help students appreciate a variety of life forms and their unique and similar characteristics. It is intended for the student with a love of animals and a desire to expand knowledge of animal diversity.

33413 (A) 33414 (B) ASTRONOMY*Prerequisites:* None

2 Semesters 1 Credit

Grades 10 – 12

***HEAR, NCAA APPROVED**

This course is an introduction to the study of stars, galaxies, and cosmology. It includes the nature of light and matter, telescopes, spectroscopy, stellar formation, and evolution of galaxies. Students have multiple opportunities to use several types of telescopes and participate in online activities sponsored by NASA and/or other aerospace organizations.

Dissection is an integral part of this course. **The Class Fee is \$15.00**

33196 (A) 33197 (B) 33198 (C) ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE*Prerequisite:* Biology or an excellent recommendation from a previous science teacher if in 9th grade

3 Semesters .5 Credit Each

Grades 10 – 12

***HEAR, NCAA APPROVED**

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. **The Class Fee is \$15.00**

H0310 CMU HS GEOL 111*Prerequisites:* High School Scholar Requirements1 Semester .5 Credit
Grades 10-12*** HEAR, NCAA Approved**

This course is an introduction to geologic environments and how humans interact with them to their mutual benefit and detriment. The course will examine earth materials including minerals, rocks, and soil, discuss natural hazards and resources, and investigate environmental aspects of energy production and consumption as well as global climate change. These topics include: 1) Earth Materials, 2) Natural Hazards, and 3) Natural Resources and 4) Human Impacts on the Environment. The main student learning outcome for this course is to increase student understanding and awareness of the importance of geology in our society. While previous coursework in earth science is helpful, none is required for this course. Upon successful completion of the course, students receive 3 college credits. Can count toward General Science credit requirements.

H0311 CMU HS GEOL 111L*Prerequisites:* High School Scholar Requirement1 Semester .5 Credit
Grades 10-12

This course is a laboratory component of the Geology 111 Principles of Physical Geology course. It is an introduction to geologic -- environments and how humans interact with them to their mutual benefit and detriment. The laboratory will examine earth materials including minerals, rocks, and soil, discuss natural hazards and resources, and investigate environmental aspects of energy production and consumption as well as global climate change. These topics include earth materials, natural hazards, natural resources and human impacts on the environment. The main student learning outcome for this course is to increase student understanding and awareness of the importance of geology in our society. While previous coursework in earth science is helpful, none is required for this course. **The Class Fee is \$35.00**

H0312 CMU HS GEOL 112*Prerequisites:* High School Scholar Requirement1 Semester .5 Credit
Grades 10-12*** HEAR, NCAA Approved**

This course describes the evolution of planet Earth and its life through time. Students will explore basic geologic principles and techniques as well as how scientists apply these methods to unravel the Earth's history. The course discusses both the geological and biological history of Earth as a continuum of interrelated events and processes that have shaped and continue to shape our planet. The major themes of time, evolutionary theory, and plate tectonics are woven together throughout the semester.

H0313 CMU HS GEOL 112L*Prerequisites:* High School Scholar Requirement1 Semester .5 Credit
Grades 10-12

This course accompanies the GEOL 112 Principles of Historical Geology course in describing the evolution of planet Earth and its life through time. Students will explore basic geologic principles and techniques as well as how scientists apply these methods to unravel the Earth's history. The laboratory explores both the geological and biological history of Earth as a continuum of interrelated events and processes that have shaped and continue to shape our planet. The major themes of time, evolutionary theory, and plate tectonics are woven together throughout the semester. **The Class Fee is \$35.00**

H0420 BIOL 209 CMU HUMAN ANATOMY & PHYSIOLOGY I (1st Semester)

↑

1 Semester, .5 Credit - GJHS

H0462 BIOL 209L CMU HUMAN ANAT & PHYSIOLOGY I LAB (1st Semester)

↑

1 Semester, 3 Credits - CMU

H0461 BIOL 210 CMU HUMAN ANATOMY & PHYSIOLOGY II (2nd Semester)

↑

1 Semester, .5 Credit - GJHS

H0463 BIOL 210L CMU HUMAN ANAT & PHYSIOLOGY II LAB (2nd Semester)

↑

1 Semester, 1 Credit - CMU

1 Semester, .5 Credit - GJHS

1 Semester, 3 Credits - CMU

1 Semester, .5 Credit - GJHS

Grades 10 - 12

Prerequisites: Biology (Grade of "B" or Higher Recommended)
& the High School Scholar Requirements

***HEAR, NCAA APPROVED (classes only, not labs)**

Study of the form and function of several major systems of the human body. For students with an interest in pre-med, nursing, human health, and biology. A background in general biology is recommended. Three lectures and two one and one-half hour laboratories per week. **The Class Fee is \$35.00 per semester**

SOCIAL STUDIES

Please go to <http://gjhsocialstudies.weebly.com/> for more information and recommendations (link to website also available on GJHS home webpage.)

Graduation requirements include three (3) Social Studies credits. The Standards-Based Social Studies Program is outlined below:

Freshmen:	World Studies, Honors Global Studies or AP Human Geography	1.0 credit
Sophomores:	Economics or AP Microeconomics/Macroeconomics <i>Starting with the class of 2028</i>	.5 credit
Juniors:	US History or AP US History	1.0 credit
Seniors:	American Government, CMU American Government or AP American Government and/or AP Comparative Politics	.5 credit
Social Studies Electives:	see website or list below for course options <i>ending with the Class of 2027</i>	.5 credit

Advanced:	AP Psychology, AP Economics, AP World History, and AP European History
Historical:	Ancient World History, Middle Ages World History, and Colorado History
Social:	International Forum I/II, Comparative Religions, Sociology, Psychology, *Economics
Political:	Law Related Education
	*Courses in the above four categories meet Social Studies and general elective requirements, and a student does not have to stay with one topic.
	*Economics fulfills the Financial Literacy credit and a social studies elective credit.

34061 (A) 34062 (B) **WORLD STUDIES**

2 Semesters .5 Credit Each
Grades 9-12

Prerequisite: None

***HEAR & NCAA APPROVED**

World Studies is a course of the History of the World from the Renaissance to Present Day. This course incorporates history and geography while encouraging students to solve problems, identify the impacts of major world events and explore world cultures. The course will emphasize the use of primary and secondary sources to empower students to investigate issues and themes from multiple viewpoints, fostering in-depth understanding and critical thinking skills. Through this holistic approach to world studies, students develop a nuanced understanding of the forces that have shaped our world and cultivate the skills necessary for active and engaged participation in the global community. This course will include the study of the Holocaust and other genocides as specified in the Colorado State Academic Standards.

34031 (A), 34032 (B) **HONORS GLOBAL STUDIES**

2 Semesters .5 Credit Each
Grades 9 - 12

Prerequisite: Strongly recommended at Grade 9

***HEAR, NCAA APPROVED**

Honors Geography is an opportunity for freshmen to gain valuable skills and study habits for future challenging classes. **The pace of this class is intense.** Students considering Honors Global Studies should think about the following: 1) Students have nightly 1 hour homework assignments. 2) Unit Testing includes memory mapping, essay tests and objective tests, 3) On-time attendance is crucial, and 4) Maturity, organization and a willingness to get positively involved in classroom activities are crucial to success.

34171 (A) 34172 (B) 34173 (C) ADVANCED PLACEMENT HUMAN GEOGRAPHY

2 Semesters .5 Credit Each

Prerequisite: Proficient in Reading and Writing PARCC/NWEA

Grades 9 – 12

***HEAR, NCAA APPROVED**

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012)

34320 ECONOMICS #

\$0

1 Semester .5 Credit

Prerequisite: None

Grades 10 – 12

***HEAR, NCAA APPROVED**

The goal of this course is to prepare learners to understand fundamental principles of economics and to be financial decision makers. It focuses on the economic way of thinking and the skills of personal financial literacy. The course focuses on macro economics concepts such as scarcity, opportunity, marginal analysis, the role of supply and demand, and the role of government in the economy. The course focuses on personal financial literacy concepts of using reliable information to make decisions; the connection between income and career preparation; consumer skills of budgeting, spending, saving, and borrowing; and investment strategies. The course is anchored in the 2022 Colorado Academic Standards for High School Economics and Personal Financial Literacy. This course utilizes the Board Approved Resources of Economics Alive: The Power to Choose (TCI c2020) and the Virtual Economics from the Council for Economic Education. This course meets the Personal Financial Literacy Graduation Requirement.

34331 ADVANCED PLACEMENT MICROECONOMICS #

\$0

1 Semester .5 Credit

Prerequisite: None

Grades 10 – 12

HEAR, NCAA APPROVED**This course is offered as a year-long course and is taught concurrently with AP Macroeconomics.***

AP Microeconomics aims to give students an understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. According to surveys of comparable curricula at four-year colleges and universities, it is equivalent to a one-semester introductory college course.

34332 ADVANCED PLACEMENT MACROECONOMICS #

\$0

1 Semester .5 Credit

Prerequisite: None

Grades 10 – 12

HEAR, NCAA APPROVED**This course is offered as a year-long course and is taught concurrently with AP Microeconomics.***

AP Macroeconomics aims to give students an understanding of the principles of economics that apply to an economic system as a whole. It places particular emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth and international economics. According to surveys of comparable curricula at four-year colleges and universities, it is equivalent to a one-semester introductory college course.

34141 (A), 34142 (B) UNITED STATES HISTORY

2 Semesters .5 Credit Each

Grades 11 – 12

***HEAR, NCAA APPROVED**

US History explores in depth history, civics, geography, and economics themes in US History from Industrial Revolution to present. This course builds on skills which will include cause and effect relationships, analysis, evaluation, and the use of primary sources to prepare students for the 21st Century. The following three strands will be incorporated throughout the course: 1) Gather and analyze historical information, including contradictory data, from a variety of primary and secondary sources, to support or reject hypotheses and/or create an historical argument. 2) Differentiate between facts and historical interpretations, recognizing that a historian's narrative reflects his or her judgment about the significance of particular facts. 3) Analyze ideas critical to the understanding of American history. Topics to include but not limited to populism, progressivism, isolationism, imperialism, anti-communism, environmentalism, liberalism, fundamentalism, and conservatism.

H0420 (A), H0421 (B) **CMU HIST 131, 132**
Prerequisite: Teacher Recommendation

2 Semesters .5 Credit Each –GJHS
2 Semesters, 3 Credits Each – CMU

***HEAR, NCAA APPROVED**

This course focuses on the history of the United States from Colonial period (ca. 1750) through the Civil War (ca. 1865). Students learn to assess historical materials, evaluate relevance and reliability of those sources, and deal critically with problems and materials in United States history. 132 is a survey of American History from the Reconstruction to the present. This course will cover the major political, economic, social, cultural, and intellectual transformations that help explain our transition from the past to the modern American era.

34161 (A), 34162 (B) **ADVANCED PLACEMENT UNITED STATES HISTORY**

2 Semesters .5 Credit Each
Grades 11 – 12

Prerequisite: Teacher Recommendation

***HEAR, NCAA APPROVED**

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

34180 **AMERICAN GOVERNMENT**

1 Semester .5 Credit
Grades 11-12

***HEAR, NCAA APPROVED**

This course prepares students for their roles as informed, connected and engaged American citizens and Global citizens ready to participate in the American Political system. Students must understand the ramifications of political decisions at the local, state, national, and international levels as well as their interdependent nature. Students will know the basic building documents of the American Political system, their history and impact on current policies. Students will investigate the structure of the American government system, the three branches, Federalism and how these philosophies interact to form the American political milieu.

34197 (A) 34198 (B) **ADVANCED PLACEMENT COMPARATIVE GOVERNMENT AND POLITICS**

★

Prerequisite: Teacher Recommendation

1 Semester .5 Credit
Grade 12

***HEAR, NCAA APPROVED**

This course is offered as a year-long course and is taught concurrently with AP US Government and Politics

The AP course in Comparative Government and Politics introduces students to fundamental concepts such as sovereignty, authority, power, institutions, political/economic change, cleavages and public policy formation used by political scientists to compare nation states. Students explore political cultures, governance and institutional alternatives, as well as a variety of data used to analyze global political and economic trends. Six countries form the core of the AP Comparative Government and Politics course: China, Great Britain, Iran, Mexico, Nigeria and Russia.

34191 (A) 34192 (B) **ADVANCED PLACEMENT US GOVERNMENT AND POLITICS**

★

1 Semester .5

Credit

Prerequisite: Teacher Recommendation

Grade 12

***HEAR, NCAA APPROVED**

This course is offered as a year-long course and is taught concurrently with AP Comparative Government and Politics

The AP U.S. Government and Politics course is an introduction to the discipline of political science. It provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. Students will also engage in disciplinary practices that require you to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, students will complete a political science research or applied civics project.

H0406 CMU AMERICAN GOVERNMENT*Prerequisite:* Previous Social Studies Teacher Recommendation

1 Semester, .5 Credit – GJHS

1 Semester, 3 Credits – CMU
Grade 12***HEAR, NCAA APPROVED**

POLS 101 American Government-GTSS1 3 Credits -- Structures and functions of the American political system and the constitutional development of federalism and separation of powers. Also, citizen participation and influence in politics, the congress, presidency and the supreme court, and public policy including civil rights and liberties. Essential Learning Categories: Social and Behavioral Sciences Colorado Guaranteed Transfer (GT) Pathways General Education Curriculum

34040 LAW RELATED EDUCATION

Strongly Recommended for Grades 9-10

1 Semester .5 Credit

Grades 9 – 12

***NCAA APPROVED**

Law-Related Education is a class designed to provide opportunities to develop an understanding of legal rights and responsibilities. Discussion of practical, everyday criminal and civil legal problems will accompany projects created to enhance abilities to analyze, evaluate, and resolve legal disputes.

34060 WORLD HISTORY – ANCIENT ★*Prerequisites:* None

1 Semester .5 Credit

Grades 10 – 12

***HEAR, NCAA APPROVED**

The purpose of this course is to study the development of societies that contributed to modern culture. topics of study will include the development of religious ideas, political systems, cultural values, artistic creativity, and technology. This course will cover the beginnings of man, ancient Egypt, Mesopotamia, India, China, and the civilizations of Greece and Rome.

34080 WORLD HISTORY – MIDDLE AGES AND RENAISSANCE ★*Prerequisites:* None

1 Semester .5 Credit

Grades 10 – 12

***HEAR, NCAA APPROVED**

Students will study the European medieval world through the Renaissance, including the Byzantine Empire and the rise of Islamic nations.

34151 (A) 34152 (B) ADVANCED PLACEMENT WORLD HISTORY ★

Each

Prerequisite: Teacher Recommendation

2 Semesters .5 Credit

Grades 10 – 12

***HEAR, NCAA APPROVED**

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

34135 (A) 34136 (B) ADVANCED PLACEMENT EUROPEAN HISTORY ★*Prerequisite:* Teacher Recommendation

2 Semesters .5 Credit Each

Grades 11 – 12

***HEAR, NCAA APPROVED**

In AP European History, students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians. The course also gives students six themes to explore throughout the course in order to make connections among historical developments in different times and places. According to surveys of comparable curricula at four-year colleges and universities, AP European History is aligned to a two-semester introductory college course.

34200 (I), 34210 (II) INTERNATIONAL FORUM ★\$*Prerequisite:* None

2 Semesters .5 Credit Each

Grades 10 – 12

***HEAR, NCAA APPROVED**

International Forum is an issues-oriented class. discussion and debate of contemporary and controversial topics involve the student in class participation and critical thinking. Subject matter has a political perspective as problems and their possible solutions are examined at international, national and local levels, and in relationship to the individual. This course will deal with issues such as the environment, energy, defense, aging, poverty, substance abuse, crime and violence. (Each semester is exclusive of the other.) In addition to Positive discussion Involvement, evaluation will be based on a 1-2 page formal research paper and an essay test for each of the four units per semester.

34240 **SOCIOLOGY**

★↑

1 Semester .5 Credit

Prerequisite: None

Grades 10 – 12

***HEAR, NCAA APPROVED**

This course explores important societal factors such as culture, group structure and function, norms, socialization, social behavior, deviance, racial and ethnic relations. In addition, social institutions, including marriage and family, religion, and education will be covered.

34260 **PSYCHOLOGY**

★\$↑

1 Semester .5 Credit

Prerequisite: None

Grades 10 – 12

***HEAR, NCAA APPROVED**

Psychology is the study of mental processes and behavior. The course will cover such topics as sensation, perception, memory, thought, learning, human relations, personality, behavior disorders and mental health. Types of therapy, techniques of mental measurement, and statistics will also be studied. Consideration will be given to theory and research relative to the topics.

34281 (A), 34282 (B) **ADVANCED PLACEMENT PSYCHOLOGY**

★\$↑

2 Semesters .5 Credit Each

Prerequisites: Teacher Recommendation

Grades 10 – 12

***HEAR, NCAA APPROVED**

Psychology is a vibrant, living, and every-growing science. Although its roots are in the distant past, it has flourished in the 21st Century. Psychology might be called the science of today; concerned with and dealing with current behavior; sensation and perception; states of consciousness; learning and memory; motivation and emotion; stress measurement; language, thought and intelligence; abnormal behavior; psychotherapy; and social psychology. The course culminates in the Advanced Placement Psychology Examination.

34340 **COMPARATIVE RELIGIONS**

★

1 Semester .5 Credit

Prerequisite: None

Grades 10 – 12

***HEAR, NCAA APPROVED**

This course is designed to give students an introduction into world religions and their place in human affairs. The course will identify the basic concept of religion and the religious philosophies of the Western World and Eastern World including Judaism, Christianity, Islam, Hinduism, Buddhism, Taoism, Confucianism, and Shinto. Topics and themes will include geographical influences, historical events, founders, sacred writings, religious rites, and ceremonies. Religious concepts and philosophical views will be discussed in an academic, non-proselytizing environment.

34410 **COLORADO HISTORY**

★

1 Semester .5 Credit

Prerequisites: None

Grades 10 – 12

***HEAR, NCAA APPROVED**

This course surveys prehistoric peoples of Colorado, native peoples, the Spanish frontier, fur trade, mining, transportation, political development, the cattle industry, industrial and energy-related growth, resource allocation, tourism and issues confronting Colorado's future. This course involves independent research.

34400 **ETHNIC STUDIES**

★↑

1 Semester .5 Credit

Prerequisites: None

Grades: 10 – 12

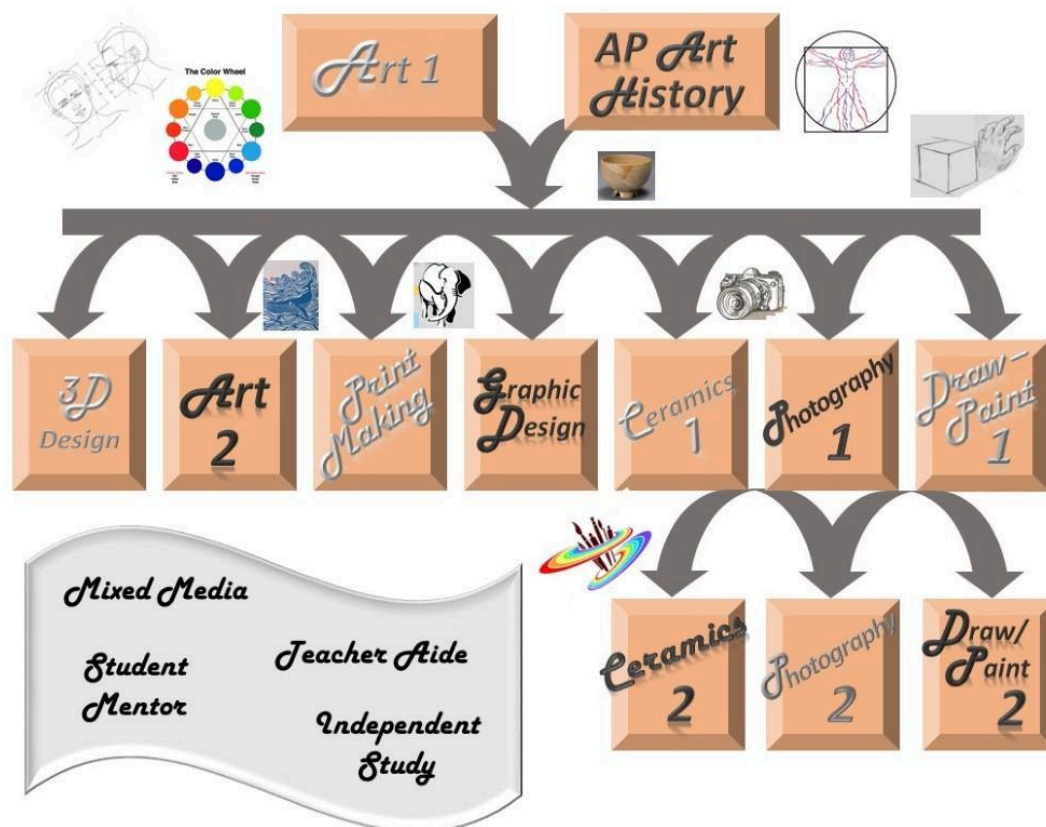
***HEAR, NCAA APPROVED**

This course is designed to give an overview of Ethnic Studies and race in America. The purpose of this course is to study the impact of various ethnic and racial groups in the United States and the role of race in society. The course will focus on both U. S. history and current issues. Coverage will include the following groups: African Americans, Asian Americans, Latino Americans and American Indians, among others. This course will also include a section on identity where students will also include a section on identity where students will consider concepts related to their own personal, group or national identity. Evaluation will be based upon class activities, homework, quizzes and other various assessments.

VISUAL ARTS

Students are limited to two art classes per semester unless given permission by an instructor. The two classes may not be taken concurrently. These courses meet the .5 Fine Arts requirement.

**** 11th or 12th grade with Fine Arts requirement completed can bypass Art I/AP Art History**



38000 **ART I** ★

Prerequisite: None

1 Semester .5 Credit

Grades 9 - 12

This is a survey course that offers opportunities to learn art fundamentals in 2D and 3D processes and techniques. The course will include but is not limited to; freehand drawing, portraiture, use of color, linear perspective, art elements and principles of design, art history and art appreciation. Creativity and originality is emphasized. **Either of these courses serve as a Prerequisite for all other art courses. The Class Fee is \$30.00.**

38020 **ART II** ★

Prerequisite: Art I or AP Art History

1 Semester .5 Credit

Grades 9 - 12

11th or 12th grade with Fine Arts requirement completed or MS teacher approval

Art II is an in depth survey course of advanced techniques and media. This course could include 2-D and 3-D art, as well as mixed media and collaborative projects. Projects such as Montage and Watercolor painting may be explored in depth. Art history and art criticism is included. Creativity/originality and self-expression is emphasized along with the development of personal style. **The Class Fee is \$30.00**

38060 **DRAWING & PAINTING 1** ★

Prerequisite: Art I or AP Art History

1 Semester .5 Credit

Grades 9 - 12

11th or 12th grade with Fine Arts requirement completed or MS teacher approval

Students will use a variety of wet and dry mediums and techniques incorporating the elements of art and principles of design. Art history and art criticism is included. Creativity/ originality and self-expression is emphasized along with the development of personal style. **The Class Fee is \$30.00**

38080 **DRAWING & PAINTING 2** ★

1 Semester .5 Credit

Prerequisite: Art I or AP Art History and Drawing & Painting 1

Grades 10 – 12

Drawing/Painting 2 will explore art and the creative process is a discipline that involves 21st century learning skills; critical thinking and reasoning, invention/creativity, self-direction, collaboration, and information literacy. Students will recognize and understand the fundamentals of art and design. The students will plan and execute their creative ideas using a variety of wet and dry drawing and painting techniques. Students will self-reflect and collaborate with teachers and peers in order to consider other points of view for the purpose of change/growth in their art. **The Class Fee is \$30.00**

38100 **CERAMICS I** ★

1 Semester .5 Credit

Prerequisite: Art I or AP Art History

Grades 9 – 12

11th or 12th grade with Fine Arts requirement completed or MS teacher approval

This course is an introduction to the use of clay for functional and artistic purposes. Basic hand-building skills will be emphasized as well as beginning exposure to the potter's wheel. Basic decoration and finishing techniques will be included. Art history and art criticism is included. Creativity/originality and self-expression are emphasized along with the development of personal style. **The Class Fee is \$30.00**

38120 **CERAMICS II** ★

1-2 Semesters .5 Credit

Prerequisite: Art I or AP Art History and Ceramics I

Grades 10 – 12

This course's focus provides in depth exposure to the potter's wheel and more advanced hand building techniques. Students will work with high fire glazes, staining techniques, and possibly raku firing. Creativity/originality and self-expression are emphasized along with the development of personal style. **The Class Fee is \$30.00.**

38160 **PRINTMAKING I** ★

1 Semester .5 Credit Each

Prerequisite: Art I or AP Art History

Grades 9 – 12

11th or 12th grade with Fine Arts requirement completed or MS teacher approval

This course will provide experience in a variety of printmaking and mixed media processes and materials. **The Class Fee is \$30.00**

38180 **3-D DESIGN (SCULPTURE)** ★

1 Semester .5 Credit

Prerequisite: Art I

Grades 9 – 12

11th or 12th grade with Fine Arts requirement completed or MS teacher approval

This course will give the student experience in designing and creating sculptures using the three basic processes; additive, subtractive, and manipulative. Sculptures will be created from a variety of materials like wire, plaster, and cardboard. Creativity/ originality and self-expression are emphasized along with the development of personal style. **The Class Fee is \$30.00**

38240 **PHOTOGRAPHY I** ★

1 Semester .5 Credit

Prerequisite: Art I; Digital Camera and Flash/USB Drive

Grades 10 – 12

11th or 12th grade with Fine Arts requirement completed or MS teacher approval

This class allows students to learn the technical and creative skills used in fine art photography. Through a hands-on approach, students will learn how to use their cameras and strengthen their images. From click, to edit, to print, students will create original images that show creativity and content. Students will have the opportunity to be enriched by looking at master photographers and grow as a photographer through assessment and critique. A Point and Shoot camera or DSLR camera, 3 megapixel or higher resolution, is required for this course. The school is unable to provide cameras for student use. Questions/ types of cameras outside requirement may be allowed with teacher approval (no camera phones). **The Class Fee is \$30.00**

38250 **PHOTOGRAPHY II** ★

1 Semester .5 Credit

Prerequisite: Successful Completion of Photo I with A or B

Grades 10 – 12

Must have Digital Camera and Flash/USB Drive

This class builds on Photography I, allowing students to further their learning in fine art/ commercial photography. Through a hands-on approach, students will learn how to further enhance their skills using

their cameras through advanced techniques. Students will strengthen their images through creating content driven photographs and series. Students will grow as a photographer through assessment and critique. A DSLR camera, 3 megapixel or higher resolution, is required for this course (no camera phones).

The Class Fee is \$30.00

38200 GRAPHIC DESIGN

★\$•

1 Semester .5 Credit

Prerequisite: Art I and Computer Applications

Grades 9 – 12

11th or 12th grade with Fine Arts requirement completed or MS teacher approval

This course is designed to explore the graphic arts field through the use of technology. Students will use basic drawing, design and computer skills to produce quality end products. Areas covered could include: typography, logo design, advertising/marketing art and package design. Creativity/originality and self-expression are emphasized along with the developments of personal style. **The Class Fee is \$30.00**

31581 (A), 31582 (B) ADVANCED PLACEMENT ART HISTORY

★

2 Semesters .5 Credit Each

Prerequisite: None

Grades 09 – 12

***HEAR, NCAA APPROVED**

The AP Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history. This class may meet the English elective credit.

38400 INDEPENDENT STUDY ART

1 Semester .5

Credit

Prerequisite: Art I and at LEAST 2 additional art classes; Teacher approval only

Grades 11 & 12

Independent study is set up to give the serious art student the facilities and materials to continue his/her art studies. Independent art students are expected to produce quality finished work that reflects experimentation and challenges to their creative and technical growth. Students are expected to complete 4 to 6 projects reflecting a minimum two weeks of work. Communication with the teacher is expected on a weekly basis. Students may not begin any project without communicating details and material needs with the teacher first. All work is to be done in the studio under the guidance of the teacher; work in progress must be evident on a weekly basis. Work completed outside of the art studio will not be accepted for a grade. Students are required to participate in at least one art show and demonstrate knowledge of matting 2-D art. Attendance is required on a daily basis. **The Class Fee is \$30.00**

WORLD LANGUAGE

In order to complete all levels available, it is recommended that students begin a language in 9th grade. However, if not considering taking all levels, any language can be started in any grade.

HEAR requires two credits in academic electives, one of which must be a World Language credit. In addition, depending on their selectivity, many colleges and universities look for two to three years of the same World Language when considering students for admission.

The purpose of this department is to introduce students to the basic structure of languages, other than English, increasing knowledge and building fluency with each successive term. Students also learn cultural, geographical, and historical information about the people and places connected with the language. Each level builds on the previous ones and thus it is important for students to apply themselves and to do well right from the start in the beginning levels and in each subsequent level. It is also best to take these classes without any time gaps between levels. World language classes are academic electives. Strong study skills, excellent attendance, and a willingness to participate actively in class on a daily basis are essential. Ten to fifteen minutes of daily review and practice are expected. World language classes offered at GJHS are French, German, Spanish and American Sign Language.

Although there is no graduation requirement for world languages, we recommend that students take a minimum of two years of the same world language. Many colleges and universities require three years of the same language for admittance. If you are planning to attend college after high school, we recommend that you plan your World Language study to include taking it your senior year, so that your knowledge and skills will be fresh.

Bilingualism strengthens cognitive abilities - bilingual people tend to be more creative and flexible. They can be more open-minded, and they also find it easier to focus on a variety of tasks simultaneously. And being able to speak two languages helps in other ways too...

Education

- Bilingual children tend to be more successful in education. They tend to perform better in tasks.
- Bilingual people find it easier to learn additional languages.

Career

- Speaking two languages is an extra skill to put on your application form.
- Bilingual people earn an average of 11% more.

Health

- Research shows that being bilingual delays the onset of Dementia and other symptoms of Alzheimer's.
- Being able to switch from one language to the other with confidence gives the individual self-confidence and pride.
- Speaking many languages can make people more tolerant towards other cultures.

The Seal of Biliteracy

An award given through Grand Junction High School, by the State of Colorado, to recognize students who have studied and attained proficiency in two or more languages by the time they graduate from high school. One of the Seal's primary purposes is to recognize the value of language diversity & cultural identity while acknowledging and certifying students' attainment of biliteracy skills.

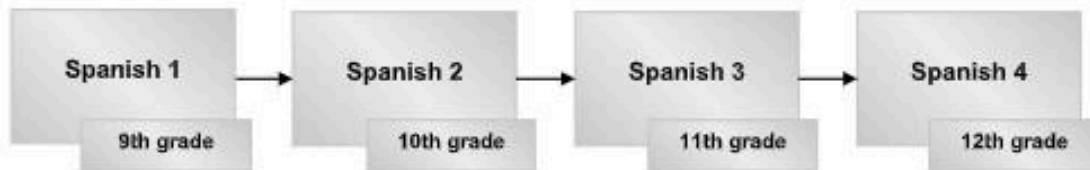
The Seal also addresses the following:

- Language is a resource as well as a right
- Valuing different language as an asset
- Prepares our students for college and career
- Acknowledge and certifies the attainment of biliteracy skills
- Prepare students with 21st century skills that will benefit them in the labor market and global society

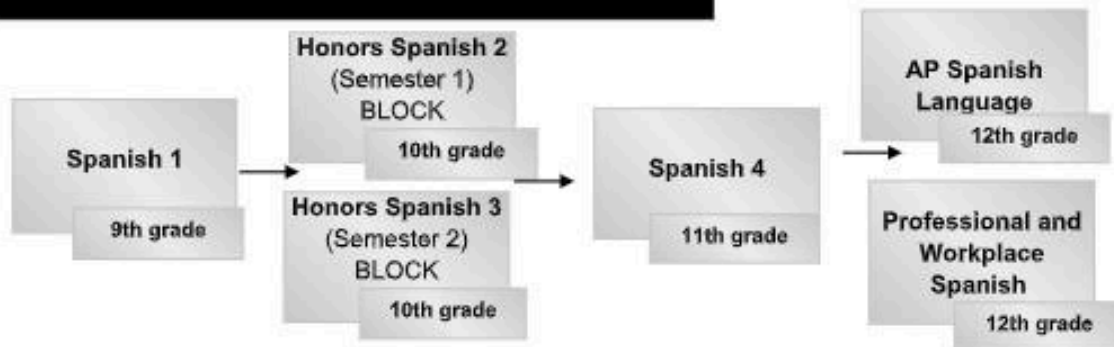
- Provides employers, universities, grants and scholarships with a method to recognize applicants for their dedication to attainment of high academic skills in 2 or more languages
- Strengthens intergroup relationships and honors the multiple cultures and languages in a community.

GJHS World Languages

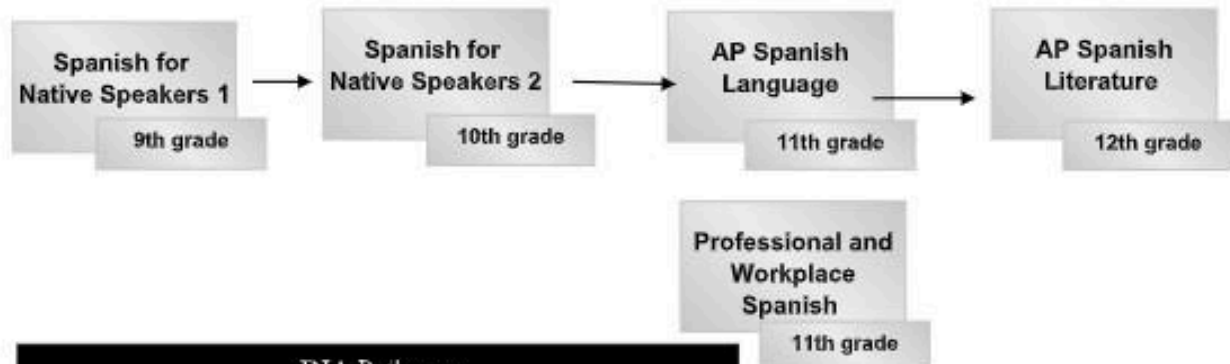
Conventional Spanish Pathway



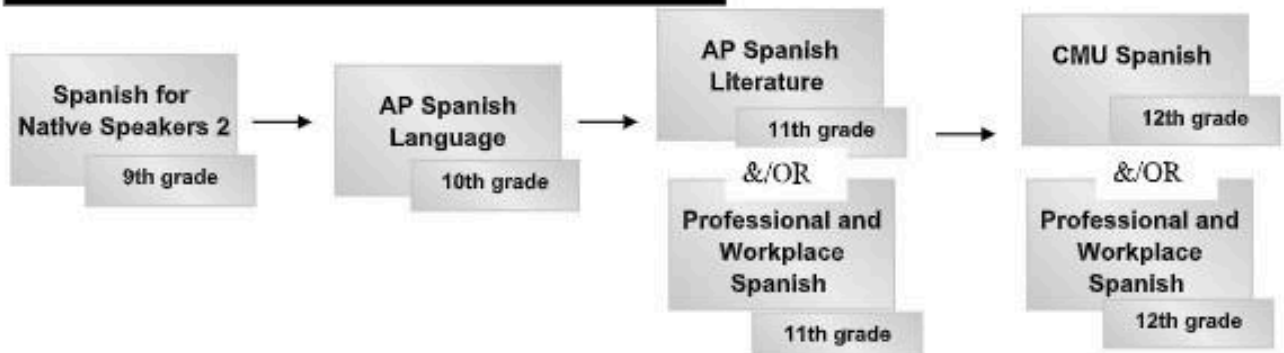
Honors Spanish Pathway

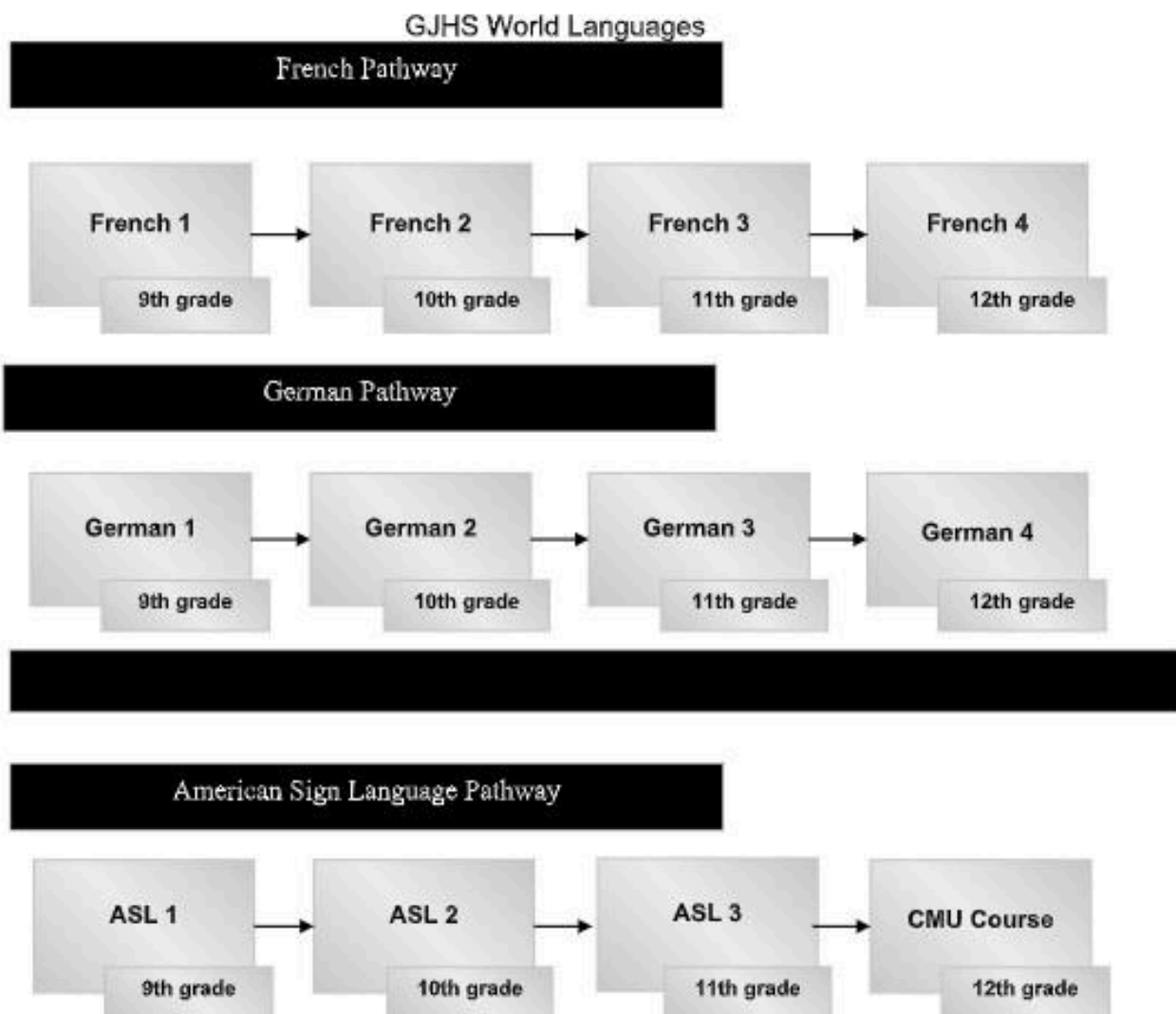


Native Speaker Pathway



DIA Pathway





INTRODUCTION TO WORLD LANGUAGES

World Language courses build students' communication skills in the four key areas of language: listening, speaking, reading and writing. Students will also explore the importance of cultural awareness and our connectedness with the global community.

LEVEL ONE:

Prerequisite: None

2 Semesters .5 Credit Each

Grades 9 - 12

Recommendations: "C" Average Overall In Their Most Recent Language Arts/English class. **Native Spanish Speakers should not register for Spanish 1 or 2; they should register for Spanish for Native Speakers 1 or another language after consulting with an upper level Spanish teacher and the World Language Department Chair.**

*HEAR, NCAA APPROVED

The level one world language course is designed to focus on high frequency vocabulary and language structures through student interaction with the target language. Language will be learned through a variety of activities including: stories, video media and technology, cultural exploration, etc. Regular attendance and active participation are critical components for student success.

35201 (A), 35202 (B) **French I**; 35321 (A), 35322 (B) **German I**; 35001 (A), 35002 (B) **Spanish I**

LEVEL TWO: ★\$Ⓟ2 Semesters .5 Credit Each
Grades 9 – 12*Prerequisite:* Successful Completion of Level 1 with a "C" or Better and/or Teacher Approval.***Native Spanish Speakers should not register for Spanish 1 or 2; they should register for Spanish for Native Speakers 1 or another language after consulting with an upper level Spanish teacher and the World Language Department Chair.******HEAR, NCAA APPROVED**

The level two world language course is designed to increase students' competence through continued interaction with the target language. The focus will be on more advanced language structures and expanded vocabulary in context. Level two students will demonstrate increasing spontaneity and flexibility in their ability to communicate in the target language in all four areas: speaking, listening, reading and writing. Regular attendance and active participation are critical components for student success

35221 (A), 35222 (B) **French II**; 35341 (A), 35342 (B) **German II**; 35021 (A), 35022 (B) **Spanish II**; 35031 (A), 35032 (B) **Honors Spanish II Block (Honors Spanish II Block must be taken in the fall semester along with Honors Spanish III Block in the spring semester of the same school year. Teacher recommendation is required.** This sequence enables non-Spanish speaking students to reach **AP Spanish** their senior year if they have taken **Spanish I** in their freshman year. This sequence also enables sophomores and juniors to accelerate and extend their progress through more levels of Spanish.)

LEVEL THREE: ★\$Ⓟ2 Semesters .5 Credit Each
Grades 9 – 12*Prerequisite:* Successful Completion of Level 2 with a "C" or Better and/or Teacher Recommendation***HEAR, NCAA APPROVED**

The level three world language course is designed to increase students' competence and confidence in the target language. The focus continues to be on increasingly advanced language structures and vocabulary building. Regular attendance and active participation are critical components for student success.

35241 (A), 35242 (B) **French III**; 35361 (A), 35362 (B) **German III**; 35041 (A), 35042 (B) **Spanish III**; 35046 (A), 35047 (B) **Honors Spanish III Block (Honors Spanish III Block must be taken during spring semester the same school year as Honors Spanish II Block. Teacher recommendation is required.**)

LEVEL FOUR: ★\$Ⓟ2 Semesters .5 Credit Each
Grades 9 – 12*Prerequisite:* Successful Completion on Level 3 with a "C" or Better and/or Teacher Recommendation***HEAR, NCAA APPROVED**

The level four world language course is designed to further develop students' abilities and skills in the target language with increasing depth and breadth. Regular attendance and active participation are critical components for student success.

35261 (A), 35262 (B) **French IV**; 35382 (A), 35383 (B) **German IV**; 35061 (A), 35062 (B) **Spanish IV**

35101 (A), 35102 (B) ADVANCED PLACEMENT (AP) SPANISH LANGUAGE ★\$Ⓟ 2 Semesters .5 Credit Each*Prerequisites:* Successful completion of Spanish IV with a "C" or better Grades 11 – 12*****Native Spanish speakers must complete Spanish for Native Speakers I and II and Spanish 4 before taking Advanced Placement Spanish Language.******HEAR, NCAA APPROVED**

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions)

35121 (A), 35122 (B) **ADVANCED PLACEMENT SPANISH LITERATURE** ★\$• 2 Semesters .5 Credit Each
Prerequisites: AP Spanish A Grades 11 – 12
 AP Spanish Literature and Culture course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. It aims to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills – with special attention to critical reading and analytical writing – and to encourage them to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish.

35496 (A), 35497 (B) PROFESSIONAL AND WORKPLACE SPANISH ★\$• 2 Semesters .5 Credit Each
 Grades: 11–12

Prerequisite: Spanish 4 or AP Spanish. Can be taken concurrently with AP Spanish.
 In this course, students will continue to develop effective written and spoken communication skills in Spanish, especially for professional and workplace settings. They will build awareness of the cultural aspect of verbal and non-verbal communication across languages. They will practice speaking and listening for a variety of purposes in different situations. Students will explore job and career options through guest speakers, workplace observations, and their own research. They will learn about making career and financial decisions important in adult life. They will then develop a personal program of research and an internship placement according to their specific career and work interests. Students will interview and obtain a commitment from a business or organization for their internship by the end of first semester. Each student will develop a portfolio, which will include reflections on guest speakers, observations, an internship, as well as peer, teacher, and internship supervisor evaluations of improvement and achievement in their communication skills.

35481 (A), 35482 (B) **SPANISH FOR NATIVE SPEAKERS I** 2 Semesters .5 Credit Each
Prerequisites: None Grades 9 – 12

***NCAA APPROVED**

This course is designed to increase the literacy level of the Spanish speaking student. Students will focus on increased reading fluency using a variety of materials (such as novels, non-fiction books, articles, poetry, and song lyrics) and accuracy in writing through a wide variety of writing activities. Students will gain experience in speaking for a variety of purposes. Students will explore the variety of cultural nuances of the greater Spanish speaking world, including those within the United States. To succeed in this course, students must show growth in reading, writing, and speaking, based on pre/post assessment rubrics. Progress will be measured based on individual entry levels following the pre-assessment.

35483 (A), 35484 (B) **SPANISH FOR NATIVE SPEAKERS II** ★\$• 2 Semesters .5 Credit Each
Prerequisites: Spanish for Native Speakers I with a "C" or better Grades 10 – 12

***NCAA APPROVED**

Greater emphasis will be placed on expansion of formal vocabulary through reading and writing activities, and on increasing awareness of appropriate word choice, register, and grammatical accuracy. Students will be expected to demonstrate growth based on pre/post assessment rubrics. Progress will be measured based on individual entry levels following the pre-assessment.

35420 (A), 35421 (B) **AMERICAN SIGN LANGUAGE I** 2 Semesters .5 Credit Each
Prerequisites: None Grades 9 – 12

***HEAR & NCAA APPROVED**

This course is an introduction to basic receptive and expressive skills in American Sign Language, including vocabulary, manual alphabet, grammatical structure, facial expressions. Deaf culture and the history of ASL will also be covered in this course.

35423 (A), 35424 (B) **AMERICAN SIGN LANGUAGE II** ★\$• 2 Semesters .5 Credit Each
Prerequisites: Completion of level I with a C or higher Grades 9 – 12

***HEAR & NCAA APPROVED**

This course is designed as a continuation to American Sign Language (ASL) I. Students will continue development in expressive and receptive skills, grammar, vocabulary and sentence structures. Classifiers, spatial referencing, and inflecting verbs will be introduced. Information about the Deaf Community and Deaf Culture will also be covered.

35425 (A), 35426 (B) **AMERICAN SIGN LANGUAGE III** ★\$•

2 Semesters .5 Credit Each

Prerequisites: Completion of level II with a C or higher

Grades 9 – 12

***HEAR APPROVED**

This course is designed to increase students' receptive and expressive skills of visual communication. Through interactive and voice-off activities, the learner will use facial and gestural expressions to communicate with the alphabet, numbers and grammar of ASL. Students will expand upon their vocabulary learned in ASL I and II and learn to discuss more abstract concepts as well as events that occurred in the past. Students will also explore highlights of the Deaf community, history, and culture.

SPECIAL COURSE WORK

39001 (A), 39002 (B) **STUDENT SENATE** ↑
Prerequisite: Elected to School Office

1-2 Semesters .5 Credit Each
Grades 9 - 12

Student Council is designed as a course that explores leadership and positive involvement in both school and community. Daily activities help develop leadership by placing students in varied levels of responsible situations where leadership is required to accomplish the established goals. Many of the techniques used involve real world skills such as delegation, goal-setting, meeting deadlines, committee work, brainstorming/planning, communication and promptness.

39202 (A), 39203 (B) **STUDY HALL**
Prerequisite: None

1 Semesters .5 Credit
Grades 9 - 12

39005 **STUDY LAB**
Prerequisites: Teacher/Counselor Approval

1 Semester .25 Credit
Grades 10 - 12

This course is designed to serve students who are struggling academically (earning D's or F's) in at least two core classes. Students are referred to Study Lab by teachers, counselors, staff members or themselves. Students accepted in Study Lab will work on being successful in their other classes. Study Lab focuses on developing time management, organizational skills and goal setting. In addition, Study Lab will work to build reading comprehension, knowledge of using a textbook and resource materials as well as developing basic computer skills. The student will be paired with a student mentor who will assist the student in practicing these skills during the lab. Students will be expected to apply these skills in their other classes. (Elective Credit)

39016 (A) 39017 (B) **STUDENT MENTOR**
Prerequisites: Teacher Approval

1 - 2 Semesters .5 Credit Each
Grades 11 - 12

Student mentors act as teaching assistants and receive a letter grade. Mentorships are available to students for academic classes if the teacher determines they can utilize that service. Mentors may also be paired with 9th or 10th graders who are enrolled in Study Lab. Generally, mentors are recruited by teachers and must have at least a 2.0 G.P.A. They are usually busy the entire period assisting in teaching/learning activities. They may work with individuals or small groups, help a student who has been absent to get caught up, prepare or deliver lessons, answer questions, clarify information, etc. They may assist with some types of grading or preparing labs. Mentors may be asked to put in time after school similar to an assignment in another class. Mentors need to be trained by the teacher. Confidentiality is very important as students may be aware of individual student's information. Attendance is paramount as teachers depend on their services daily.

39046 (A) 39047 (B) **TUTOR MENTOR**
Prerequisites: Tutor Mentor Coordinator Approval

1 - 2 Semesters .5 Credit Each
Grades 11 - 12

This course pairs qualified juniors and seniors with younger students in selected elementary and middle schools. Students will assist learners with math and reading primarily and will also model strategies that will help the younger students in all disciplines. General qualifications include good attendance, good communication skills, desire to work with youngsters and good work habits.

39021 (A), 39022 (B) **ADVANCED LEADERSHIP TRAINING** ↑
Prerequisite: Application Process in Spring Each Year

2 Semesters .5 Credit Each
Grades 11 - 12

This volunteer activity is designed for the LINK Leader who wishes to both improve leadership skills and help organize, evaluate and run the LINK Crew Program. Students will learn and practice the skills of speaking, writing, advising, critical thinking, research, evaluation, small group motivation, large group presentation, intervention, planning organization, delegation, and publication.

STUDENT ASSISTANTSHIPS

Students who are interested in Student Assistantships should contact the teacher they wish to assist.

39100 **TEACHER AIDE**

1 Semester .25 Credit

Prerequisite: Teacher Approval; 2.0 GPA

Grades 10 – 12

Student Aides act as clerical assistants helping teachers in learning activities or other designated tasks as determined by the instructor. They may earn .25 credit for a grade of P (pass) or no credit for F (fail) and are limited to one per semester. An aide assists the teacher in completing tasks such as filing, returning papers, organizing, cleaning, creating bulletin boards, etc. A contract with parent approval is required. Many students opt to receive Service Learning hours instead of the minimal credit. Hours are determined by the number of days present X 45 minutes (split block) or X 95 minutes (block). Students must notify the Counseling Center of the decision to get Service Learning Hours during the school year the class is taken. Students are responsible for coordinating with their supervising teacher and submitting the Service Learning Hours Verification Form that documents the number of service learning hours they have earned during the term.

39150 **MEDIA LAB AIDE**

1-2 Semesters .5 Credit Each

Prerequisite: Library Staff Approval

Grades 10 – 12

Library Media Aides will assist in the day-to-day operations of a school library media center. Students will learn to shelve books, check books in and out, and use the Online Public Access System (OPAC) to look up books that are in the GJHS Library and other District 51 libraries. Students are expected to provide quality customer service to student and staff patrons, and may also be asked to do other duties in line with being a student library media aide. Students are expected to maintain patron confidentiality, dress appropriately, be self-motivated and behave in accordance with an office environment. Students will receive a letter grade each quarter.

39110 **MAIN OFFICE AIDE**

1 Semester .5 Credit

Prerequisite: Application & Interview Required

Grades 10 – 12

Students may earn .5 credit for assisting with telephone answering, filing, customer service, and general office duties in the main office. Confidentiality required. A main office aide contract with parent and administrative approval must be completed. Main Office Aides must comply with the School Dress Code.

39120 **COUNSELING AIDE**

1 Semester .5 Credit

Prerequisite: Counseling Office Approval

Grades 10 – 12

Students may earn .5 credit for assisting with reception work, answering the telephone, running slips for students, filing, organizing, customer service and general office duties in the Counseling Center. Students are expected to maintain confidentiality concerning personnel actions. Students and parents must complete a contract which outlines roles and responsibilities and establishes behavioral expectations for the student. Students receive a letter grade for this work experience.

39130 **ATTENDANCE AIDE**

1 Semester .5 Credit

Prerequisite: Attendance Office Approval

Grades 10 – 12

Students may earn .5 credit for assisting with reception work, running slips for students, picking up attendance slips, filing, organizing, and other general office duties in the Attendance Office. Students are expected to maintain confidentiality concerning students and staff. Students and parents must complete a contract which outlines roles and responsibilities and establishes behavioral expectations for the student. Students receive a letter grade for this work experience.

CAREER CENTER PROGRAMS

The Career Center is structured to meet the career training needs of secondary-school students. Emphasis will be given to 10th through 12th grade students who request a career training alternative, allowing them to gain job-entry level skills in combination with the educational program at their home school. Academic instruction, which includes WorkKeys assessments, is an integral part of every vocational program. Students will be prepared to enter the world of work or continue in a higher education program upon graduation. Opportunities at Career Center include the following:

Early Childhood Professions
Culinary Arts
Companion Animal Care

Horticulture
Health Sciences

Construction Technology
Compact Engines
Teacher Cadet

Mod 1 : 8:20-10:05 AM

Mod 2: 10:08-11:55 AM (Culinary Arts Mod 2 11:10 - 1:05 PM)

Mod 3: 1:05-2:50 PM

Due to travel time, students attending Career Center will be eligible for only one release and/or study hall each semester in order to remain a full-time student.

41005 **EARLY CHILDHOOD PROFESSIONS** ↑

2 Semesters 3 Credits

Location: Career Center

Grades 10 - 12

This combination class of the Colorado Preschool Program and High School age students is a premiere class on the Western Slope. Instruction occurs within the preschool classroom in areas of safety, child development, cognitive, social/emotional, and physical growth of preschool age children. High school students work directly with the preschool while implementing a "hands-on approach." Advanced students can be placed in internship roles in the community while they work on their Child Development Associate certification, a nationally accepted certificate in child care.

Industry Credentials: 1st Aid/CPR, Standard Precautions, Food Handlers' cards, and CDA Certification

Credits: Math, ELA elective and General Electives/CMU Articulation Agreement

41035 **CONSTRUCTION TECHNOLOGY** •

2 Semesters 3 Credits

Location: Career Center

Grades 10 - 12

Learn to use power drills, hammers, and saws as well as learn how to build a house. Students will obtain many skills in the construction field, including the proper care and use of hand tools and power equipment, shop safety, types of building materials, related applied mathematics, measuring, blueprint reading, framing and roofing. Students complete projects ranging from doghouses to a 1,800 square foot, \$450,000+ home. Advanced students may be eligible for placement in internships or paid employment.

Industry Credentials: NCCER, OSHA 10

Credits: Math Elective, General Elective

41044 **CULINARY ARTS** ↑

2 Semesters 4 Credits

Location: Career Center

Grades 10 - 12

Students in this class operate an onsite restaurant two days a week where they practice Front of the House processes such as cashiering, food & beverage service, Point-of-Sale operation, and customer service. Back of the house students practice preparing food to order, line cooking, station prepping, cleaning, expediting, dishwashing, and good communication. They also have an opportunity to participate in catering events.

Industry Credentials: ServSafe Managerial, Food Handlers Card

Credits: Math, Life Science, Physical Science (Chemistry), & General Electives/CMU Articulation Agreement

41110 **COMPACT ENGINES** •

2 Semesters 3 Credits

Location: Career Center

Grades 10 - 12

This course covers the fundamentals of four-cycle engine operation, hands-on training in performing complete overhauls of OHV engines (Briggs & Stratton) and includes diagnostics and failure analysis. Students will also learn major repair and diagnostics of engines on lawn mowers, weed whackers, rototillers, power washers and other types of outdoor equipment. All students will receive a Briggs and Stratton technician account and access to Briggs and Stratton Power Portal.

Industry Credentials: Master Service Technician, SnapOn 504 Multimeter, and Kohler Gas Engine Technician

Credits: Math, Physical Science (Physics), and General Electives/CMU Articulation Agreement

41070 COMPANION ANIMAL CARE

2 Semesters 3 Credits

Location: Career Center

Grades 10 – 12

This class introduces students to skills necessary for small animal kennels; pet daycare and boarding facilities; pet stores; and veterinary clinics. The topics of study include small animal management, animal ethics and law, small animal assistant skills, veterinary terminology, animal anatomy and physiology, and career development. Students will participate in off-campus field trips to veterinary clinics, specialized veterinary clinics, boarding kennels, humane societies, pet stores, local groomers, dog shows, dog agility competitions, and other sites related to the class curriculum.

Industry Credentials: Kennel Maintenance, Veterinary Medical Terminology, Veterinary Receptionist**Credits:** Math, Life Science and General Electives/CMU Articulation Agreement**42009 HEALTH SCIENCES**

2 Semesters 3 Credits

Location: Career Center

Grades 10 – 12

Health Sciences offers students interested in pursuing a career in medicine an opportunity to investigate many health career fields. The course explores anatomy and physiology, common diseases and disorders affecting each system and provides the core knowledge required to enter various fields of study. Students will be introduced in various fields of study, including Certified Nurses Aid knowledge and skills, medical terminology, and entry level technical skills such as First Aid and BLS.

Industry Credentials: Medical Terminology, Personal Care Provider, NCHSE, CNA License, Cares dementia specialist, NASM-CPT**Credits:** Math, Life Science, and General Electives/CMU Articulation Agreement**42030 HORTICULTURE**

2 Semesters 3 Credits

Location: Career Center

Grades 10 – 12

Our goal is to equip students with entry-level job skills in floral, greenhouse management, aquaculture and landscape maintenance, following the seasonal operations of our onsite greenhouse and floral shop. Hands-on activities include growing herbs, vegetables, annual and perennial plants, along with creating floral items, caring for the school campus plants, and running the shop! Students will explore business management, marketing and sales, customer service, basic safety, growing media and nutrition, applied plant science, propagation, greenhouse automation, community leadership and stewardship.

Industry Credentials: BASF Plant Science**Credits:** Math, Life Science and General Electives/CMU Articulation Agreement**44040 TEACHER CADET**

2 Semesters 3 Credits

Location: Career Center

Grades 11 – 12

Designed to provide high school students with hands-on experience in the classroom and insight into the world of teaching. The course provides mini-teaching internships, professional shadow experiences, observations of learners at all age groups, information and support from D51 educators on career opportunities in the field of education, and a nationally accepted certificate in child care.

Program Benefits: Relevant field experience in the educational setting (D51 classrooms and programs of all levels). Off-site observation hours for CDA Portfolio, complete Professional Portfolio opportunities for dual credits, high school credits and college credits, CDA preparation and exam.**Industry Credentials:** Child Development Associate Certification**Credits:** General Electives/CMU Concurrent Credit EDUC 115 (What It Means To Be An Educator) and EDUC 215 (Teaching as a Profession)

CMU TECH PROGRAMS

The following career and technical education programs are coordinated through CMU Tech for the benefit of students in Mesa County Valley School District #51, Colorado Mesa University and the community. **Bus transportation is available from the area high schools to almost all of the technical education programs.**

THE CAREER & TECHNICAL EDUCATION ADVANTAGE

Study and skills training in technical education courses can achieve:

- Preparation for direct entry into work after high school with increased occupational choices and opportunities for career growth
- Preparation and pathways to post-secondary two or four year programs at the college or university level with some programs offering transferable college credits
- Specific occupational skills
- Employability skills
- Improved options for employment to earn money for continued education of choice
- College credit is available in all programs for qualifying students through the Technical Scholars program.

ENROLLMENT AND REGISTRATION PROCESS

High school students who want to enroll in a technical program at CMU Tech may do so through their high school counselor. Students are required to complete a CMU Tech application (available in high school counseling offices or at CMU Tech) and arrange for an interview with the program instructor to confirm enrollment. This interview can be arranged by contacting the CMU Tech Student Services or the program instructor and must be completed prior to the first day of class.

All programs are one year in length and take up three periods a day.

All CMU Tech programs offer equal enrollment opportunities for both males and females.

**** indicates the program includes courses that count towards earning an Associate's Degree through P-TECH***

Title	Subject Credit	1 st Semester	2 nd Semester
Agriculture Science ◉	Elective	1.5 credits	1.5 credits
Animal Career Prep* ◉	Elective	1.5 credits	1.5 credits
Applied Business – Administrative Support \$	Elective	1 credit	1 credit
	Math	0.5 credits	0.5 credits
Applied Business – Foundations \$	Elective	1.5 credits	1.5 credits
Certified Nurse Aide ⬆	Elective	1.5 credits	1.5 credits
Computer Aided Design – Architectural ◉	Year 1		
	Elective	1 credit	1 credit
	Math	0.5 credits	0.5 credits
	Year 2		
	Elective	1.5 credits	1.5 credits
Construction Electrical* ◉	Year 1		
	Elective	1.5 credit	1.5 credit
	Year 2		
	Elective	1.5 credits	1.5 credits

Construction Technology* ⬇	Elective	1.5 credits	1.5 credits
Culinary Arts ⬆	Elective	0.5 credits	0.5 credits
	Life Science	0.5 credits	0.5 credits
	Physical Science	0.5 credits	0.5 credits
Digital Filmmaking Animation ★	Year 1		
	Elective	1.0 credits	1.5 credits
	Year 2		
	Elective	1.5 credits	1.5 credits
Digital Filmmaking Writing & Directing ★	Year 1		
	Elective	1.0 credits	1.5 credits
	Year 2		
	Elective	1.5 credits	1.5 credits
Early Childhood Education* ⬆	Year 1		
	Elective	1.0 credits	1.5 credits
	English Elective	0.5 credits	x
	Year 2		
	Elective	1.5 credits	1.5 credits
HVAC ⬇	Elective	1.5 credits	1.5 credits
Fire Science ⬇	Year 1		
	Elective	1.5 credits	1.5 credits
	Year 2		
	Elective	1.5 credits	1.5 credits
Information & Communication Technology* ⬇	Year 1		
	Elective	1.5 credits	1.5 credits
	Year 2		
	Elective	1.5 credits	1.5 credits
Machining Technology ⬇	Year 1		
	Elective	1.0 credits	1.0 credits
	Math	0.5 credits	0.5 credits
	Year 2		
	Elective	1.5 credits	1.5 credits
Mechatronics/ Electronics Technology ⬇	Elective	1.5 credits	1.5 credits
Medical Office Assistant* ⬆	Year 1		
	Elective	1.5 credits	1.5 credits
	Year 2		
	Elective	1.5 credits	1.5 credits
Pharmacy Technician ⬆	Year 1		
	Elective	1.5 credits	1.5 credits
	Year 2		
	Elective	1.5 credits	1.5 credits

Transportation Services ⓘ	Year 1		
	Elective	0.5 credit	0.5 credit
	Math	0.5 credits	0.5 credits
	Physical Science	0.5 credits	0.5 credits
	Year 2		
	Elective	1.5 credits	1.5 credits

Welding Technology ⓘ	Year 1		
	Elective	1.0 credit	1.0 credit
	Math	0.5 credits	0.5 credits
	Year 2		
	Elective	1.5 credits	1.5 credits

P-TECH PROGRAMS

Pathways in Technology Early College High School (P-TECH) is an innovative partnership between Mesa County Valley School District, CMU Tech, and local high-growth industry employers.

Why P-TECH?

- Graduate with a high school diploma and an industry-recognized associate degree from CMU Tech
- Gain relevant workplace skills through mentorships and internships
- Complete one Pathway Experience towards earning an Endorsement

Students have up to six years from when they begin high school to finish their P-TECH program; with all of the college credits paid for during that time. Students work with their counselors to create a schedule that includes both GJHS and CMU Tech classes, in order to meet high school graduation requirements as well as degree requirements for CMU Tech.

Students may apply during their 8th-11th grade years and begin their coursework the following fall. Programs are available in the following Pathways:

Architecture and Construction ◉

Constructional Electrical
Construction Technology
Electric Lineworker

Education and Human Services ⬆

Early Childhood Education

Engineering ◉

Land Surveying and Geomatics

Computer Science ◉

Information and Communication Technology

Environment and Natural Resources ◉

Veterinary Technology
Wildland Fire Management

Health and Exercise Science ⬆

Medical Lab Technician
Medical Office Assistant