MIAMI-YODER HIGH SCHOOL



Home of the Buffalos

2026–2027 COURSE CATALOG & ACADEMIC GUIDE

Miami-Yoder High School

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GENERAL INFORMATION

Welcome & Overview

Miami-Yoder School District is a partnership of professionals, parents, and community members dedicated to providing a rigorous, challenging curriculum in a positive environment, giving opportunities which foster and encourage individuals to be successful, productive, citizens.

Graduation Requirements

To earn a diploma from Miami-Yoder High School, students must complete a minimum of **26 credits** and demonstrate college and career readiness.

2028 and Prior Graduation Course Requirements		
Area/Content	**Credits**	**Course Requirements**
Language Arts/English	4	Language Arts I, II, III, IV (see college course note below)
Mathematics	3	Pre-Algebra, Integrated Math I, Integrated Math II, Integrated Math III, Pre-Calculus, Consumer Math (see college course note below)
Science	3	Physical Science, Earth Science, Biology I, Chemistry, Physics, Anatomy/Physiology, Animal/Agricultural Science (see college course note below)
Social Studies	3	Civics, Government, World History/Geography, US History/Geography 1865 to present, Economics (see college course note below)
Physical Education	1	
Computer Technology	1	Computer Applications, Computer Elective
Electives	11	Vocational Education (Agriculture, Career and Family, Computer Technology), Music or Art. Physical Education courses, Foreign Language courses, Science, Language Arts, Social Studies, or Math courses beyond core requirements
Total for Graduation	**26**	

College course note for students 2028 and prior:
Students receiving college credit for a college level English, Math, Science, and/or Social Studies course with a passing grade of C- or better will have met the requirements for the 4 credits of Language Arts. (Beginning with the class of 2021)

2029 and Beyond Graduation Course Requirements		
Area/Content	**Credits**	**Course Requirements**
Language Arts/English	4	English I English II Additional 2 English Credits
Mathematics	3	Geometry Additional 2 Math Credits
Science	3	Physical Science Biology I Additional 1 Science Credit
Social Studies	3	World History/Geography US History Civics
Physical Education	1	
Computer Technology	1	
Advisement/Senior Seminar	3	Advisement (.25 credit per semester) Employability Skills, ICAP, SEL, Post-Secondary Workforce Readiness or Senior Seminar (.5 credit per semester)
Electives	8	
Total for Graduation	**26**	

College and Career Readiness Graduation Requirement:

In accordance with Colorado Department of Education standards, all graduating seniors must demonstrate competency in English and Mathematics through one of the following measures:

College and Career Readiness State Requirement in English and Math		
Students must pass one of the following tests with the score below to be eligible for graduation		
Option	**English**	**Math**
Accuplacer (Next Generation)	241 Reading or 236 Sentence Writing	255 on Arithmetic or 230 Quantitive Reasoning, Algebra, & Statistics
ACT	18 on ACT English	19 on ACT Math
ACT Work Keys	Bronze or Higher	Bronze or Higher
ASVAB	31	31
Concurrent Enrollment (College Class)	C- or Higher	C- or Higher
SAT	470	480
OSHA 10	Pass	Pass

Grade Level Determination:

High School Grade Level Credit Requirements

- ➔ Freshman(9th Grade) = less than 6.5 credits
- ➔ Sophomore(10th Grade) = 6.5 to 12.9 credits
- ➔ Junior(11th Grade)=13 to 20.5 credits
- ➔ Senior (12th Grade)=19.5 or more credits

Course Progressions

Below is a typical class progression that supports students meeting their graduation requirements on schedule.

	9th Grade	10th Grade	11th Grade	12th Grade
English	English 1	English 2	English 3 or College	English 4 or College
Math	Algebra 1	Geometry	Algebra 2 or Consumer or Applied	
Science	Physical Science	Biology	Additional Science not taken yet	
Social Studies	World History	US History	Civics & Economics	
PE	PE			
Technology		Intro to Computers		
Advisement	Buff time	Buff Time	Buff Time	Buff Time &/or Sr. Seminar
Electives	Choose 2	Choose 2	Choose 3	Choose 6

Optional: 11th and 12th grade students can apply for Concurrent Enrollment courses or Career Start Pathways to use as Electives and/or Core Classes.

COURSE DESCRIPTIONS BY DEPARTMENT

1. ENGLISH LANGUAGE ARTS

English 1a

- **Course Code:** ENG 1001
- **Grade Level:** 9 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** This course focuses on all components of literacy, including but not limited to reading, speaking, and writing. Students will read a variety of texts in thematic units as they continue to develop key literacy skills.

English 1b

- **Course Code:** ENG 1002
- **Grade Level:** 9 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** The class will study a variety of short stories, poetry, and novels, as well as some non-fiction. Writing will be literature-based and vocabulary will be contextual. Grammar will be studied through a hands-on approach, and further instruction will be provided in areas needing improvement. Many assessments will be project-based, and there will be some team learning.

English 2a

- **Course Code:** ENG 2001
- **Grade Level:** 10 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** This course is aligned with the Colorado State Standards. Students will continue developing skills in reading, writing, listening, speaking, and critical thinking. Students will read fiction and non-fiction across a variety of genres. Students will write an assortment of pieces, including literary analysis vignettes and arguments. The coursework is rigorous and in-depth. All written work will be presented in MLA format. Students should expect coursework to be completed in and outside of the classroom.

English 2b

- **Course Code:** ENG 2002
- **Grade Level:** 10 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students will continue developing skills in reading, writing, listening, speaking, and critical thinking. Students will read fiction, as well as non-fiction, in a variety of genres. Students will write an assortment of pieces including literary analysis vignettes, and arguments. The course work is rigorous and in-depth. All written work will be presented in MLA format. Students should expect course work to be completed in and outside of the classroom.

English 3a

- **Course Code:** ENG 3001
- **Grade Level:** 11 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** This course covers vocabulary enrichment, short story/novel research with a focus on multi-cultural studies, writing, creativity, and expository writing.

English 3b

- **Course Code:** ENG 3002
- **Grade Level:** 11 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students will read fiction, and non-fiction, in a variety of genres. Students will write and assortment of pieces including literary analysis vignettes, and argument. All written work will be presented in MLA format. Students should expect to complete course work in and outside of the classroom.

English 4a

- **Course Code:** ENG 4001
- **Grade Level:** 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Students will demonstrate the culmination of skills and knowledge gained through their academic career by completing a long-term, multi-faceted project.

English 4b

- **Course Code:** ENG 4002
- **Grade Level:** 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students will demonstrate the culmination of skills and knowledge gained through their academic career by completing a long-term, multi-faceted project.

2. MATHEMATICS

Algebra IA

- **Course Code:** MA 1001
- **Grade Level:** 9, 10 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** 8th Grade Math or Pre-Algebra
- **Description:** This is the first semester of Algebra 1, which is a two-semester course that builds the foundation for all higher-level math. Students learn to solve and graph linear equations and inequalities, solve systems of equations, and understand functions and how to represent them.

Algebra IB

- **Course Code:** MA 1002
- **Grade Level:** 9, 10 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** 8th Grade Math or Pre-Algebra
- **Description:** This is the second semester of Algebra 1, which is a two-semester course that builds the foundation for all higher-level math. Students learn to solve and graph exponential functions and quadratics, and finish with an introduction to statistics and data analysis.

Geometry A

- **Course Code:** MA 2001
- **Grade Level:** 9, 10, 11 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Algebra I or teacher approval
- **Description:** This is the first semester of Geometry, which is a two-semester course that develops visual and logical reasoning. Students study geometric transformations, congruence, and similarity, and learn to write geometric proofs. Other units cover right-triangle trigonometry, the properties of circles, area, surface area and volume, and coordinate geometry. Students use a compass and straightedge for constructions.

Geometry B

- **Course Code:** MA 2002
- **Grade Level:** 9, 10, 11 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Algebra I or teacher approval
- **Description:** This is the second semester of Geometry, which is a two-semester course that develops visual and logical reasoning. Students study geometric transformations, congruence, and similarity, and learn to write geometric proofs. Other units cover right-triangle trigonometry, the properties of circles, area, surface area and volume, and coordinate geometry. Students use a compass and straightedge for constructions.

Algebra 2A

- **Course Code:** Math 3001
- **Grade Level:** 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Algebra I
- **Description:** This is the first semester of Algebra 2, which is a two-semester course that extends the concepts from Algebra 1 and gets students ready for precalculus, college math, and technical fields. Students analyze and graph polynomial, rational, radical, exponential, and logarithmic functions, and they solve more complex systems of equations. The course also covers sequences and series, conic sections, and introductions to trigonometric functions and statistics.

Algebra 2B

- **Course Code:** Math 3002
- **Grade Level:** 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Geometry
- **Description:** This is the second semester of Algebra 2, which is a two-semester course that extends the concepts from Algebra 1 and gets students ready for precalculus, college math, and technical fields. Students analyze and graph polynomial, rational, radical, exponential, and logarithmic functions, and they solve more complex systems of equations. The course also covers sequences and series, conic sections, and introductions to trigonometric functions and statistics.

Applied Math 1A

- **Course Code:** Math 3005
- **Grade Level:** 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** none
- **Description:** Students develop practical mathematical skills through hands-on projects involving measurement, geometry, ratios, proportions, financial mathematics, investing, and data analysis.

Applied Math 1B

- **Course Code:** Math 3006
- **Grade Level:** 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** none
- **Description:** Students apply mathematics to real-world situations involving personal finance, construction and trades, statistics, probability, budgeting, and problem-solving through practical projects and challenges.

Consumer Math A

- **Course Code:** Math 4021
- **Grade Level:** 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** none
- **Description:** This is the first semester of Consumer Math, which is a two-semester course that uses math to prepare students for real financial decisions. Students practice building a budget, managing bank and checking accounts, and understanding credit and debt.

Consumer Math B

- **Course Code:** Math 4022
- **Grade Level:** 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** none
- **Description:** This is the second semester of Consumer Math, which is a two-semester course that uses math to prepare students for real financial decisions. They calculate loan costs and interest, and they learn the basics of taxes, insurance, saving, and investing. The course finishes with major life purchases, such as buying a vehicle or housing, and with career and paycheck decisions. It focuses on different kinds of loans and insurances.

3. SCIENCE

Physical Science A

- **Course Code:** SC 1001
- **Grade Level:** 9 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Students explore the properties and structure of matter, atomic theory, the periodic table, chemical bonding, chemical reactions, solutions, and nuclear chemistry through hands-on investigations and problem-solving. .

Physical Science B

- **Course Code:** SC 1002
- **Grade Level:** 9 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students investigate motion, forces, energy, heat, waves, light, electricity, and magnetism through hands-on experiments, mathematical modeling, and real-world applications.

Biology A

- **Course Code:** SC 2001
- **Grade Level:** 10 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Students will learn the Characteristics of Life, Biochemistry, Cell Structure and Function, Energy and Metabolism, Life of a Cell

Biology B

- **Course Code:** SC 2002
- **Grade Level:** 10 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students will learn Heredity, Molecular Biology, Evolution, Ecology, Taxonomy and Kingdoms

Chemistry A

- **Course Code:** SC 3001
- **Grade Level:** 10, 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Physical Science A & B
- **Description:** Students will learn about the elements and the periodic table, chemical bonding and

equations.

Chemistry B

- **Course Code:** SC 3002
- **Grade Level:** 10, 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Chemistry A
- **Description:** Students will learn about solutions, acids, bases, and thermal energy.

Earth Science A

- **Course Code:** SC 3031
- **Grade Level:** 10, 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Students will learn mapping, geological processes as earthquakes, volcanoes, rocks and minerals.

Earth Science B

- **Course Code:** SC 3032
- **Grade Level:** 10, 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students will learn astronomy, meteorology, oceanography, and climate change.

Physics A

- **Course Code:** SC 3051
- **Grade Level:** 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Physical Science A & B & Algebra I A & B
- **Description:** Students will learn about work, energy, motion, simple machines, and the nature of the physical world.

Physics B

- **Course Code:** SC 3052
- **Grade Level:** 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Physics A
- **Description:** Students will learn about light, the electromagnetic spectrum, thermodynamics, sound, and electricity.

Introduction to Forensic Science A

- **Course Code:** SC 3101
- **Grade Level:** 11, 12 | **Credit:** 0.5 (1st Semester)

- **Prerequisite:** None
- **Description:** Students will learn the basics of using forensic lab equipment, observation skills and deductive reasoning, types of evidence and how to process it as well as the history of Forensics.

Introduction to Forensic Science B

- **Course Code:** SC 3102
- **Grade Level:** 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students will apply the basics of collecting evidence and start processing hair, fiber, fingerprint, DNA, blood, and ballistics.

Environmental Science A

- **Course Code:** SC 3200
- **Grade Level:** 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Students explore ecosystems, plant–insect interactions, wildlife, and Colorado's natural resources through hands-on investigations and real-world environmental problems.

Environmental Science B

- **Course Code:** SC 3201
- **Grade Level:** 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students investigate Colorado water, drought, climate change, human impacts, and sustainability while developing evidence-based solutions to environmental challenges.

Human Anatomy & Physiology A

- **Course Code:** SC 3201
- **Grade Level:** 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Biology A & B
- **Description:** Students learn anatomical terminology, study cells and tissues, and start exploring functional systems with Skeletal and Muscular

Human Anatomy & Physiology B

- **Course Code:** SC 3202
- **Grade Level:** 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Biology A & B
- **Description:** Students explore functional systems (circulatory, respiratory, digestive, reproductive, nervous, and so on)

4. SOCIAL STUDIES

World History & Geography A

- **Course Code:** SO 1001
- **Grade Level:** 9, 10 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Students will explore World History from the Middle Ages to The French Revolution, exploring how political, economic, and cultural forces have connected and divided societies across time. Students will develop maps, timelines, and source-analysis skills while examining multiple perspectives on the major turning points that shaped the modern global order — from the rise of empires to revolutions.

World History & Geography B

- **Course Code:** SO 1002
- **Grade Level:** 9, 10 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students will explore World History from the Industrial Revolution to the Modern World. Students will develop maps, timelines, and source-analysis skills while examining multiple perspectives on the major turning points that shaped the modern global order — from industrialization and the world wars.

US History: 1865 to Present A

- **Course Code:** SO 2001
- **Grade Level:** 9, 10 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Students will trace the American Story from Reconstruction through the Progressive Era, with a brief recap on the Civil War, examining how conflict, reconstruction, and industrialization has shaped America today. Students engage with primary sources, build historical thinking skills, and connect past events to present-day civic life.

US History: 1865 to Present B

- **Course Code:** SO 2002
- **Grade Level:** 9, 10 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students will trace the American Story from World War I to Modern America, engaging with primary sources, build historical thinking skills, and connect past events to present-day civic life.

Civics

- **Course Code:** SO 3001
- **Grade Level:** 11,12 | **Credit:** 0.5
- **Prerequisite:** None
- **Description:** This semester course will prepare students to understand and actively participate in American democracy. Students will learn the foundations of American government, its structure, and function; including a dedicated unit study of Colorado Ute and Southern Ute Tribal Law.

Economics/Personal Literacy

- **Course Code:** SO 2002
- **Grade Level:** 11, 12| **Credit:** 0.5
- **Prerequisite:** None
- **Description:** This course introduces students to the fundamental principles of economics and their relevance to everyday decision-making. Students explore core concepts including scarcity, supply and demand, market structures, personal finance, and the role of government in the economy, building the financial and economic literacy needed to navigate life after high school. Emphasis is placed on real-world application, from personal budgeting to understanding broader economic systems and policy.

5. PHYSICAL EDUCATION

Physical Education A & B (will meet PE graduation requirement)

- **Course Code:** PE 1001 & 1002
- **Grade Level:** 9| **Credit:** 0.5 (each semester is 0.5, both semesters required)
- **Description:** In this PE course students will learn to enhance their emotional, social, and physical health through different activities . These activities will include calisthenics, for cardiovascular, as well as balance and agility. A variety of sports will be taught for building teamwork and strategies. Within all the activities students will also learn gross motor skills such as skipping and jumping rope, they will also learn fine motor skills such as hitting a volleyball and using a racket in pickleball. The Physical Education class will promote skills to encourage lifelong physical activity.

Weight Training A/B

- **Course Code:** PE 2001/2002, 3001/3002, 4001/4002
- **Grade Level:** 10, 11, 12 | **Credit:** 0.5 (per semester)
- **Prerequisite:** None
- **Description:** Weights class is designed to build functional strength and body sculpting for each individual, which also enhances cardiovascular, physical and mental fitness. This course will enrich students in proper lifting mechanics, resistance training principles, and creating a personal workout track. Activities will enhance specific body and muscle strengthening, to achieve lifelong health, mental and fitness goals. Students may take every semester their 10th-12th grade years for a total of 3 full credits.

Lifetime Recreation A (will meet PE graduation requirement)

- **Course Code:** PE 3005
- **Grade Level:** 10, 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Outdoor skills, personal fitness, and hands-on trip preparation, culminating in an overnight outdoor experience.

Lifetime Recreation B

- **Course Code:** PE 3006
- **Grade Level:** 10, 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Indoor lifetime sports, wellness, and mindfulness, building on fall skills and personal fitness habits.

6. COMPUTER TECHNOLOGY

The classes in this section will count toward Social Studies graduation requirements.

Introduction to Computers A

- **Course Code:** IT 1001
- **Grade Level:** 10 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Students examine how their attention, data, and online habits are shaped and sold, then move inside the machine to learn what every major computer component does and how to troubleshoot one. The semester closes with professional document production in Google Docs: styles, automatic tables of contents, collaboration tools, and a finished résumé and cover letter. Ten minutes of keyboarding is built into every class period. Students leave with a portfolio of professional documents..

Introduction to Computers B

- **Course Code:** IT 1002
- **Grade Level:** 10 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students build working spreadsheets with formulas, logic, and honest charts; design and deliver live presentations; and complete an integrated capstone solving a real problem for the school or community. The semester closes with artificial intelligence — what it actually does, how to prompt it well, how to catch it when it's wrong, and how to disclose its use honestly. Daily keyboarding continues. Students leave with a working data project, a delivered presentation, and a documented AI workflow.

7. ELECTIVES-AGRICULTURE

Principles of Animal & Vet Science A

- **Course Code:** AG 1001
- **Grade Level:** 9, 10 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Students will develop knowledge, skills and understanding in the biological processes and physiological systems found in livestock and companion animal species including anatomy and physiology, growth and development, muscular and skeletal systems, integumentary system, respiratory and circulatory system, nervous system, lymphatic and endocrine systems and excretory system. The scientific processes of observation, hypothesizing, data gathering, interpretation, analysis and application will be included. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Horse Evaluation, Livestock Judging, and Veterinary Science.

Principles of Animal & Vet Science B

- **Course Code:** AG 1002
- **Grade Level:** 9, 10 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Project based learning in a workplace setting is a focus during this semester. Students visit a vet clinic where they are exposed to the day-to-day routines of the profession. Students are busy preparing for competition in the horse evaluation, livestock judging, or vet science categories.

Ag Structure, Design, & Fabrication A

- **Course Code:** AG 2221
- **Grade Level:** 10-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** This course is an advanced course designed to focus on project-based learning. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Agricultural Mechanics.

Ag Structure, Design, & Fabrication B

- **Course Code:** AG 2222
- **Grade Level:** 10-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** This course is an advanced course designed to focus on project-based learning. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Agricultural Mechanics.

Ag Business & Leadership IA

- **Course Code:** AG 2301
- **Grade Level:** 10, 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** In this course students will study introductory level principles of business. Topics will include; business ethics, personal finance, budgeting, accounting principles, investments, planning for retirement, starting a small business, and principles of debit and credit. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Farm Business Management.

Ag Business & Leadership IB

- **Course Code:** AG 2302
- **Grade Level:** 10, 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None

- **Description:** Students will create a Supervised Agricultural Experience (SAE) Enterprise where they will put their first semester learning to use. Examples may include a school store or spring plant sale.

Agriculture Power Metals III A

- **Course Code:** AG 3021
- **Grade Level:** 10, 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** This course is an advanced course designed to focus on project-based learning. Areas of advanced study may include MIG, TIG, Plasma Cam, stock trailers, blue prints, AWS testing, project design, electrical, and wood projects. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Agricultural Mechanics.

Agriculture Power Metals III B

- **Course Code:** AG 3022
- **Grade Level:** 10, 11, 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** This course is an advanced course designed to focus on project-based learning. Areas of advanced study may include MIG, TIG, Plasma Cam, stock trailers, blue prints, AWS testing, project design, electrical, and wood projects. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Agricultural Mechanics.

Greenhouse Production A

- **Course Code:** AG 3201
- **Grade Level:** 9-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Students will study plant life; including wild, garden, and greenhouse plants. Students will explore careers in the greenhouse industry. Domestic crop production, biology, and management will also be studied. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Floriculture.

Greenhouse Production B

- **Course Code:** AG 3202
- **Grade Level:** 9-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** Students will create a SAE (Supervised Agricultural Experience) School Enterprise

where students will gain first hand experience of what it takes to run a business. The business plans and prepares for a spring plant sale of flowers and starter garden plants that are grown in the school greenhouse. The students are in charge of 100% of the business.

Ag Structure, Design, & Fabrication II A

- **Course Code:** AG 3221
- **Grade Level:** 11, 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Ag Structure, Design, & Fabrication IA
- **Description:** This course is an advanced course designed to focus on project-based learning. Areas of advanced study may include MIG, TIG, Plasma Cam, stock trailers, blue prints, AWS testing, project design, electrical, and wood projects. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Agricultural Mechanics.

Ag Structure, Design, & Fabrication II B

- **Course Code:** AG 3222
- **Grade Level:** 11,12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Ag Structure, Design, & Fabrication IA
- **Description:** This course is an advanced course designed to focus on project-based learning. Areas of advanced study may include MIG, TIG, Plasma Cam, stock trailers, blue prints, AWS testing, project design, electrical, and wood projects. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Agricultural Mechanics.

Careers In Construction A

- **Course Code:** AG 3501
- **Grade Level:** 10-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** none
- **Description:** This course is an introductory course for exploration of the trades. Units will cover building trades safety and first aid, construction math, tools and construction materials, and employability. Each student enrolled will also have the opportunity to gain an OSHA10 Certification. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Agricultural Mechanics.

Careers In Construction B

- **Course Code:** AG 3502
- **Grade Level:** 110-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** none
- **Description:** Students will have an opportunity to put their first semester learning to use with project based learning. Career fairs, job shadows, internship opportunities, apprenticeship

opportunities, FFA Career Development Events, and other work based learning opportunities will be a focus during the spring semester.

Agriculture Power Metals IV A

- **Course Code:** AG 4021
- **Grade Level:** 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Ag Structure, Design, & Fab II, and/ or Ag Power Metals III
- **Description:** This course is designed for a senior capstone class highlighting or focusing on internships, apprenticeships, work study, or job placement. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Agricultural Mechanics.

Agriculture Power Metals IV B

- **Course Code:** AG 4022
- **Grade Level:** 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Ag Structure, Design, & Fab II, and/ or Ag Power Metals III
- **Description:** This course is designed for a senior capstone class highlighting or focusing on internships, apprenticeships, work study, or job placement. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Agricultural Mechanics.

Natural Resource/Conservation Management A

- **Course Code:** AG 4021
- **Grade Level:** 10-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** none
- **Description:** Students will learn the principles of conservation and management of natural resources. Unit lessons will cover ecological principles, principles of habitat conservation and management, wildlife population ecology, wildlife management and identification, non-game animal identification, game and upland bird identification, predator and furbearer identification, and waterfowl identification and management. Conservation and management of forests, grasslands, and wetlands will also be covered. All students will be enrolled in the FFA and participation is strongly encouraged. Opportunities will be available for participation in FFA career development events using skills acquired in this course such as Range Management.

Natural Resource/Conservation Management B

- **Course Code:** AG 4022
- **Grade Level:** 10-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** none
- **Description:** Continuation of principles of conservation and management of natural resources.

8. ELECTIVES- CRIMINAL JUSTICE

9. ELECTIVES-FAMILY & CONSUMER SCIENCES

Culinary Essentials 1A

- **Course Code:** FCS 2001
- **Grade Level:** 9-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** none
- **Description:** 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. Demonstrate food safety standards.

Culinary Essentials 1B

- **Course Code:** FCS 2002
- **Grade Level:** 9-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Culinary Essentials 1A
- **Description:** This course continues the objectives, scope, and sequence that began in Culinary Essentials 1A

Culinary Essentials 2A

- **Course Code:** FCS 3001
- **Grade Level:** 10-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Culinary Essentials 1B
- **Description:** This intermediate culinary course is designed for students interested in exploring culinary careers, and to advance them to the next level of food preparation. The students will have the opportunity to prepare menu items that involve more detailed procedures, and practice techniques used in the culinary field. They will: Classify pasta types and create fresh pasta dishes. Prepare and evaluate nutritional value of various types of meats. Select herbs and spices to enhance flavors of foods. Apply techniques used in cake and cookie decorating. Develop skills in preparing advanced yeast breads and pastries. Identify the origins and prepare foods from different regions and cultures. Emphasize presentation throughout the course.

Culinary Essentials 2B

- **Course Code:** FCS 3002
- **Grade Level:** 10-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Culinary Essentials 2A

- **Description:** This course continues the objectives, scope, and sequence that began in Culinary Essentials 2A

Catering 1

- **Course Code:** FCS 3011
- **Grade Level:** 10-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Culinary Essentials 1B
- **Description:** This two semester program is designed for students with career interests in the food industry as well as owning their own catering business. The purpose of this course is to develop skills in quantity, food preparation, safety and sanitation, planning, customer service, business plans and entrepreneurship. FCCLA is also an integral part of this course.

Catering 2

- **Course Code:** FCS 3012
- **Grade Level:** 10-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Catering 1
- **Description:** This course continues the objectives, scope, and sequence that began in Catering 1

FCS Leadership A

- **Course Code:** FCS 3500
- **Grade Level:** 10-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Culinary Essentials 1B
- **Description:** Focuses on the leadership skills for contemporary organizations. Covers development and communication a shared vision to motivate and empower employees to manage conflict, to negotiate, and to develop teams.

FCS Leadership B

- **Course Code:** FCS 3501
- **Grade Level:** 10-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** FCS Leadership A
- **Description:** This course continues the objectives, scope, and sequence that began in FCS Leadership B

10. ELECTIVES -FINE ART

Fine Arts 1A

- **Course Code:** AR 2301
- **Grade Level:** 9-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** None
- **Description:** Is an introductory visual arts course that establishes foundational skills and concepts in the fine arts. Students will explore the elements and principles of art using a variety of mediums. Emphasis is placed on vocabulary, observation and basic art techniques, craftmanship, and creative problem solving.

Fine Arts 1B

- **Course Code:** AR 2302
- **Grade Level:** 9-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** None
- **Description:** In this course students will continue the foundational study of visual art by expanding students' understanding and application of artistic concepts and techniques. Students will work with a variety of mediums to create 2-D and 3-D media, and practice to create purposeful compositions and develop skills in planning, experimentation, craftsmanship and revision.

Fine Arts 2A

- **Course Code:** AR 3301
- **Grade Level:** 10-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Fine Arts 1A & 1B
- **Description:** This course builds upon the skills and concepts developed in Fine Arts 1a and 1b, and challenges students to strengthen their technical abilities and creative thinking. Emphasis is placed on developing stronger craftsmanship, purposeful use of elements and principles of art, and effective planning and problemsolving. Students will study artists and movements while learning how artists communicate ideas, emotions, and experiences through their work.

Fine Arts 2B

- **Course Code:** AR 3302
- **Grade Level:** 10-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Fine Arts 1A & 1B
- **Description:** This course provides students with increased opportunities for creative independence and artistic exploration. Students will refine techniques in a variety of media while developing more complex compositions and original ideas. Projects will emphasize experimentation, research, planning, revision, craftsmanship, and purposeful artistic choices. Students will participate in

individual and group critiques and learn to use feedback to strengthen their artwork. .

Fine Arts 3A

- **Course Code:** AR 4301
- **Grade Level:** 11-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** Fine Arts 2A & 2B
- **Description:** This is an advanced visual arts course focused on developing students as independent and intentional artists. Students will develop original concepts through research, brainstorming, experimentation, and revision. Emphasis is placed on technical proficiency, craftmanship, creative problem solving, meaningful artistic choices, and development of a personal artistic voice.

Fine Arts 3B

- **Course Code:** AR 4302
- **Grade Level:** 11-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Fine Arts 2A & 2B
- **Description:** This course emphasizes independent artistic development, personal expression, and advanced creative problem-solving. Students will plan and create a body of original artwork that demonstrates technical skill, thoughtful use of the elements and principles of art, and a developing personal artistic voice.

11. ELECTIVES -Music

High School Band A/B

- **Course Code:** MU 1001/1002, 2001/2002, 3001/3002, 4001/4002
- **Grade Level:** 9-12 | **Credit:** 0.5 (Year-long class divided into 2 semesters/year)
- **Prerequisite:** None
- **Description:** Instrumental music class for grades 9-12 that develops intermediate to advanced music performing and technical skills on wind and percussion instruments, music literacy, ensemble skills, and musicality through a variety of classical, popular, and international repertoire. Students also learn proper audition practice and how to record and submit auditions for a variety of honor ensembles or college auditions.

High School Choir A/B

- **Course Code:** MU 1011/1012, 2011/2012, 3011/3012, 4011/4012
- **Grade Level:** 9-12 | **Credit:** 0.5 (Year-long class divided into 2 semesters/year)
- **Prerequisite:** None
- **Description:** Choral music class for grades 9-12 that develops beginner through advanced vocal performing and technical skills, including music literacy, breath support, ensemble skills, and musicality through a variety of classical, popular, and international repertoire. Students also learn proper audition practice and how to record and submit auditions for a variety of honor ensembles or college auditions. This course can be taken every year, each semester of High School.

Guitar 1A

- **Course Code:** MU 2020
- **Grade Level:** 9-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** none
- **Description:** Instrumental music class for grades 9-12 that develops technical classical guitar performance skills, including fingerstyle and chord strumming and basic guitar maintenance. Students develop music reading skills and fluency in traditional notation, tablature, and chord charts through the study of a variety of classical and popular literature.

Guitar 1B

- **Course Code:** MU 2020
- **Grade Level:** 9-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Guitar 1A
- **Description:** Guitar 1B is the continuation of the first semester

Foundations of Production, Design, and Performance

- **Course Code:** MU 2101
- **Grade Level:** 9-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** none
- **Description:** Introductory course that explores a variety of programs and occupations in the arts, audio/visual technology, and production. Students develop basic skills needed for audio production and its various applications.

Introduction to Sound Mixing

- **Course Code:** MU 2102
- **Grade Level:** 9-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** none
- **Description:** Develops students' foundational skills in digitally based audio production, signal flow, equipment operation, digital recording, editing, and mixing through hands-on projects using digital audio workstations (DAWs), sound design, mixing, digital editing, synchronization, and post-production for music, film video, and multimedia.

Sound Engineering and Design A

- **Course Code:** MU 3101
- **Grade Level:** 10-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** none
- **Description:** Digitally based course in which students develop technical and creative audio production skills through digital audio workstations (DAWs), sound design, mixing, digital editing, synchronization, and post-production for music, film, video and multimedia applications.

Sound Engineering and Design B

- **Course Code:** MU 3102
- **Grade Level:** 10-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Sound Engineering & Design A
- **Description:** Continuation of the objectives, scope, and sequence of Sound Engineering and Design A

Capstone: Recording Arts Technology/Technician A

- **Course Code:** MU 4101
- **Grade Level:** 11-12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** none
- **Description:** This capstone course gives students the opportunity to apply the technical, academic, and employability skills developed in their CTE pathway through a culminating project connected to their program area. Students research, plan, create, and present a pathway-aligned product service, or solution that demonstrates career readiness, problem-solving, and professional communication.

Capstone: Recording Arts Technology/Technician B

- **Course Code:** MU 4102
- **Grade Level:** 11-12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Capstone: Recording Arts Technology/Technician A
- **Description:** Continuation of the objectives, scope, and sequence of Capstone: Recording Arts Technology/Technician A

12. ELECTIVES-General

Broadcasting A

- **Course Code:** ELE 3001
- **Grade Level:** 10–12 | **Credit:** 0.5 credit (1st semester)
- **Prerequisite:** none
- **Description:** Students will learn the fundamentals of modern journalism, audio recording and the art of voice projection through hands on and project based learning. This class will incorporate independent and crew based lessons while introducing practice scripting, field reporting, sports assessments, editing and voice recording. Key content covered will be studio broadcast procedures, podcasting and interviewing. The purpose of this class is to build real world communication skills and confidence in public speaking, and team building.

Broadcasting B

- **Course Code:** ELE 3002
- **Grade Level:** 10–12 | **Credit:** 0.5 credit (2nd semester)
- **Prerequisite:** Broadcasting A
- **Description:** Continuation of objectives from semester 1

Entrepreneurship 1A

- **Course Code:** ELE 2011
- **Grade Level:** 9–12 | **Credit:** 0.5 credit (1st semester)
- **Prerequisite:** none
- **Description:** An introduction to how businesses work, taught through a student-run school store. Students learn to identify customers, evaluate products, calculate costs, set prices, and handle money responsibly. Students hold defined roles within the business and are assessed on the work it requires. Open to grades 9-12. No prerequisite.

Entrepreneurship 1B

- **Course Code:** ELE 2012
- **Grade Level:** 9–12 | **Credit:** 0.5 credit (2nd semester)
- **Prerequisite:** none
- **Description:** A continuation of Entrepreneurship A, focused on day-to-day operations. Students manage inventory, make pricing and purchasing decisions, promote the business, and evaluate its financial performance. The course concludes with a year-end review and a written handoff to the following year's students.

Senior Seminar 1A

- **Course Code:** ELE 4050
- **Grade Level:** 12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** none
- **Description:** Semester A of Senior Seminar focuses on self-discovery and exploring life after graduation. Students assess their own strengths, work values, and interests, then research and compare their options across four major paths: college, trade school/apprenticeship, military service, and direct workforce entry. Students set personal SMART goals, begin a professional portfolio they will build on throughout the year, and practice regularly reflecting on setbacks and challenges as part of building resilience. By the end of the semester, students have a clearer sense of direction and the foundational habits — goal-setting, self-reflection, and organized documentation — that support success in any path they choose.

Senior Seminar 1B

- **Course Code:** ELE 4051
- **Grade Level:** 12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** none
- **Description:** Semester B of Senior Seminar shifts from exploration to practical application. Building on the goals and portfolio work from Semester A, students develop concrete plans for their next step after graduation — including researching and applying for scholarships and financial aid, practicing job and application skills, and strengthening professional communication and workplace-readiness habits. Students continue to build resilience and problem-solving skills through ongoing hands-on challenges, and complete a capstone project that showcases their growth and readiness for life after high school. The semester is designed to leave every student, regardless of path, with a concrete plan and the practical skills to act on it.

Spanish I A

- **Course Code:** FL 1011
- **Grade Level:** 9–12 | **Credit:** 0.5 (1st Semester)
- **Prerequisite:** none
- **Description:** Introduces students with little to no prior experience to the Spanish language and its diverse cultures. Students learn fundamental vocabulary and present-tense grammar structures. Instruction focuses on real-world communication for daily life, school, and home.

Spanish I B

- **Course Code:** FL 1012
- **Grade Level:** 9–12 | **Credit:** 0.5 (2nd Semester)
- **Prerequisite:** Spanish 1A
- **Description:** Deepens students' ability to communicate effectively in everyday situations. This course introduces more complex grammar structures, including near-future plans and

an introduction to past actions. Students will transition from simple phrase production to creating full paragraphs and sustained dialogues.

13. Credit Recovery Courses

Miami-Yoder offers credit recovery courses to students when available. These are only for students who did not pass a core course initially. These are full courses, not courses where students may "test out" portions of the curriculum. If a credit recovery course is not available, students must retake the original course instead.

14. Work-Based Learning

12th grade students who are on track for graduation may apply for a work-based learning opportunity. Placement in a work-based learning opportunity must align with the student's ICAP and not interfere with the student's ability to complete core courses for graduation. Once the application is completed by the student and employer, it will be reviewed for approval by the Dean of Students. Approval will be based on requirements set by board policy. Weekly or monthly time/progress reports from the employer will be required to be turned into the Dean.

CONCURRENT ENROLLMENT & TECHNICAL PATHWAYS

Miami-Yoder High School partners with Pikes Peak State College and Adams State University to offer students vocational certification and college credit while in high school.

Traditional College Courses

"Concurrent enrollment" means the simultaneous enrollment of a qualified student in a district high school and in one or more postsecondary courses at an institution of higher education. Students will earn both High school and College Credit upon successful completion of the course. Students at Miami-Yoder can take college courses online from Adams State College or Pikes Peak State College, or in-person at Pikes Peak State College.

Students who seek to enroll in a postsecondary course shall complete the district's concurrent enrollment application form and submit it to the Dean of Students at least 60 days prior to the end of the academic term immediately preceding the term of the student's proposed enrollment in a postsecondary course. The requested postsecondary course(s) on the student's application shall be consistent with the student's approved academic plan of study (ICAP). The superintendent may waive the 60 day requirement at his or her discretion.

Detailed information can be found in Board Policy IHCDA & IHCDA-R, and by contacting the Dean of Students.

Career Start Trades Courses

Career Start courses fall under the same requirements as traditional courses, except that students can earn an industry certificate in addition to college credit. These courses are in-person at the Pikes Peak State College campus, in the mornings, Monday-Friday. The same procedures apply for this course option as the traditional college course options above.

For more information or questions contact:

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