



Miriam High School Course Guide

(Subject to annual change)

2025 - 2026

Student Name: _____

TABLE OF CONTENTS

TABLE OF CONTENTS.....	1
From the Principal.....	3
MIRIAM HIGH SCHOOL GRADUATION REQUIREMENTS.....	4
My 2025-2026 Course Planner.....	5
Four Year Course Planner.....	6
MIRIAM HIGH SCHOOL PROGRAMS AND POLICIES.....	7
ATTENDANCE POLICY.....	7
MIRIAM HIGH SCHOOL GRADUATION POLICIES.....	7
GRADING SYSTEM.....	8
CALCULATING GRADE POINT AVERAGE (G.P.A.).....	8
CURRICULAR PROGRAM LEVELS.....	9
COLLEGE CREDIT OPTIONS.....	10
A+ PROGRAM.....	11
WORK EXPERIENCE/INTERNSHIP PROGRAM.....	12
TRANSITION SERVICES.....	12
COURSE SEQUENCES AND DESCRIPTIONS.....	13
ENGLISH.....	14
Course Options.....	14
Course Sequence.....	14
Course Descriptions.....	14
FINE ARTS.....	16
Course Options.....	16
Course Sequence.....	16
Course Descriptions.....	16
MATHEMATICS.....	18
Course Options.....	18
Course Sequence.....	18
Course Descriptions.....	19
MIRIAM ESSENTIALS.....	22
Course Sequence.....	22
Course Description.....	22
PHYSICAL EDUCATION.....	23
Course Options.....	23
Course Sequence.....	23
Course Descriptions.....	23
PRACTICAL ARTS.....	25
Course Options.....	25
Course Sequence.....	25
Course Descriptions.....	25
SCIENCE.....	28

Course Options.....	28
Course Sequence.....	28
Course Descriptions.....	29
SOCIAL STUDIES.....	32
Course Options.....	32
Course Sequence.....	32
Course Descriptions.....	33
WORLD LANGUAGE.....	35
Course Sequence.....	35
Course Descriptions.....	35
ELECTIVES.....	36
Course Options.....	36
Course Descriptions.....	36

From the Principal

Dear Miriam Family,

At Miriam High School, we understand that every student is capable of learning despite learning differently. We strive to provide an environment where individualized instruction paired with academic and life skill development help each student achieve success. Our mission compels us to empower each student, help them build confidence, and develop a path towards the future. This course guide outlines our customized curriculum designed to meet each student where they are and work towards their true potential. We also aim to offer a variety of fun and challenging electives to pique their interests and provide the right balance of academic achievement, support, and fun.

We recommend that students review the course options annually and make course selections with input from their current teachers, parents/guardians, advisor, principal, and/or support staff. We hope the course and program offerings increase each student's confidence and help them write their story of success now and in the future.

Warmest regards,

Vicki Thurman

Miriam High School Principal

MIRIAM HIGH SCHOOL GRADUATION REQUIREMENTS

(as of July 1, 2023)

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR	CREDITS BY SUBJECT
ENGLISH	4 CREDITS REQUIRED				4
MATHEMATICS	3 CREDITS REQUIRED (4 recommended for College Admission)				3
SCIENCE	3 CREDITS REQUIRED				3
SOCIAL STUDIES	3 CREDITS REQUIRED (Must include at least 1/2 credit of American Government and 1 credit of US History)				3
FINE ARTS	1 CREDIT REQUIRED (Visual Arts)				1
MIRIAM ESSENTIALS (ME)	4 CREDITS REQUIRED (Students must take ME every semester in attendance at Miriam High School)				4
PHYSICAL EDUCATION	1.5 CREDITS REQUIRED (Students must take one semester of Health)				1.5
PRACTICAL ARTS	1.5 CREDITS REQUIRED (Students must take one semester of Personal Finance)				1.5
WORLD LANGUAGE	OPTIONAL (2 CREDITS RECOMMENDED FOR COLLEGE ADMISSION)				0
ELECTIVES	7 CREDITS REQUIRED (can be fulfilled by taking identified elective courses OR additional courses from subject areas listed above)				7
TOTAL	Fully enrolled students must take at least 7 credit classes/semester			28 CREDITS REQUIRED FOR GRADUATION	

My 2025-2026 Course Planner

This page is designed to help you plan the courses you would like to take next school year. However, it is not the actual registration form. Some things you need to consider and remember:

- You must register for a total of 6 credits (for the school year) - not including Miriam Essentials.
- You must select at least two alternate credits to use in case a course you choose is full or does not run.
- Your English, Math, and Science teachers must approve the class you will take in their subject area next year, and some classes in other areas also require teacher and/or principal approval.

Department	Semester 1 - Course Name	Semester 2 - Course Name
English		
Math		
Science		
Social Studies		
PE		
Fine Art		
Practical Art		
World Language (optional)		
Miriam Essentials	Miriam Essentials	Miriam Essentials
Elective		
Elective		
Alternate		
Alternate		

Notes

Four Year Course Planner

Student Name: _____ Graduation Year: _____

****Must take at least 7 credit hours per year (7 classes per semester)**

School Year	Freshman	Sophomore	Junior	Senior
English <i>(4 full credits required)</i>				
Math <i>(3 full credits required)</i>				
Science <i>(3 full credits required)</i>				
Social Studies <i>(3 full credits required)</i>				
PE <i>(1.5 credits including Health)</i>				
Fine Arts <i>(1 full credit required)</i>				
Miriam Essentials <i>(must take all four years)</i>	Miriam Essentials	Miriam Essentials	Miriam Essentials	Miriam Essentials
Practical Arts <i>(1.5 credits including Personal Finance)</i>				
World Language <i>(optional)</i>				
Electives <i>(7 credits required across 4 years)</i>				

MIRIAM HIGH SCHOOL PROGRAMS AND POLICIES

ATTENDANCE POLICY

Regular attendance at school is vital for academic progress, especially for students with learning profiles. Students are expected to attend every scheduled class meeting, advisory, assembly, and activity. Miriam High School reserves the right to withhold credit for courses when a student reaches 15 unexcused absences or a total of 25 absences in a semester (excused and unexcused). The decision to withhold credit rests with the administrative team.

MIRIAM HIGH SCHOOL GRADUATION POLICIES

Since 2018, Miriam High School has granted diplomas to qualified students who have completed graduation requirements set forth by the Missouri Department of Elementary and Secondary Education (DESE) for private schools. Miriam High School is accredited by the Independent Schools Association of the Central States (ISACS) and a member of the National Association of Independent Schools (NAIS) as well as an Approved Private Agency (APA) through DESE.

Miriam High School issues a high school diploma upon the satisfactory completion of a program of study which consists of twenty-eight (28) units of credit with 24 being recommended by DESE. Miriam High School recommends eight semesters of high school attendance.

Students may earn credit for a high school diploma through regular high school courses or in connection with any of the following:

- With prior approval of the Principal and Dean of Academic Programming and Partnerships, units of credit may be earned in an accredited summer school program or approved alternative high school program.
- With prior approval of the Principal and Dean of Academic Programming and Partnerships, credit from correspondence courses or high school courses offered through an accredited night school or high school course offered by accredited schools providing internet, distance learning, or other electronic media courses may be accepted toward meeting diploma requirements. Costs of these courses are the responsibility of the student/family.
- Dual enrollment in college courses through approved college partnerships.

Additional graduation requirements:

- Miriam students must reach their 17th birthday by January 1st of the year in which they graduate.
- If any Senior student fails a Miriam course or courses for their 4th quarter, the student may not be granted a diploma. The student may be required to complete additional conditions to make-up the schoolwork to meet the course requirements to pass the course. For non-academic courses, Pass/Fail designation will be used to determine whether course credit will be granted.
- All financial obligations to Miriam must be met for final grades to be posted on a student's transcript and for a diploma to be issued. Concerns or questions about financial obligations may be discussed with our Business Office.

GRADING SYSTEM

NOTE: The school year is organized on a semester basis with each semester divided into two quarters for grading. Report cards are issued at the end of each quarter. Grades are cumulative with each semester grade reflecting the current total cumulative grade for that class. Only the semester grade is entered on the student's transcript.

GRADING SCALE			GRADE NOTATIONS	
A	100-93%	4	NC	No Credit
A-	90-92%	3.667		
B+	87-89%	3.333	I	Incomplete (NC until work is completed. Deadline by the end the semester)
B	83-86%	3		
B-	80-82%	2.667		
C+	77-79%	2.333	P/F	Pass/Fail (With approval of the Principal. Grade does not factor into GPA, however, credit is granted.)
C	73-76%	2		
C-	70-72%	1.667		
D+	67-69%	1.333	W	Withdrawal (When a student drops a course after first quarter grading period)
D	63-66%	1		
D-	60-62	0.667	@	Modified curriculum (Lessons and tests are modified to match the student's academic level)
F	59 or below	0		

CALCULATING GRADE POINT AVERAGE (G.P.A.)

The grade-point average is computed by adding the grade-point values of the student's semester grades in courses and dividing by the number of units carried. All subjects are included except for those graded on a pass/fail or audit basis.

Step 1: Using the grading scale, calculate and add grade points for classes.

Step 2: Divide total grade points earned by number of classes taken.

Example:	<u>Grade</u>	<u>Grade Points</u>
Class #1	B	3
Class #2	C	2
Class #3	A-	3.667
Class #4	B	3
Class #5	B	3
Class #6	A	4
Class #7	C+	2.333
	Total	21
21 points divided by 7 classes = GPA of 3.0		

CURRICULAR PROGRAM LEVELS

CHALLENGE: *Students who are able to access learning at or above grade level.*

- Classroom Style: This classroom will look more like a traditional classroom with few interventions. Meaningful homework is assigned 3-4 days per week. Coursework is designed for a successful college learning experience.
- Skill Development: These skills will lead to successful experiences in college or post-secondary programs. The focus is on constructive responses, critical thinking, skills/analysis, and independent task-completion. Few or no students receive modified grading.
- Post Secondary Plans: Plans for students taking primarily Challenge courses may include 2- or 4-year school or a trade. Accommodations and modifications are expected to be implemented and followed.

CORE: *Students who access learning at or near grade level.*

- Classroom Style: This classroom will look more like a traditional classroom with some targeted interventions per course. Meaningful homework is assigned 2-3 days per week. Coursework is designed for a successful college learning experience.
- Skill Development: These skills will lead to successful experiences in college or post-secondary programs. The focus is on constructive responses, critical thinking, skills/analysis, and independent task-completion. Some grading may be modified.
- Post Secondary Plans: Plans for students taking primarily Core classes may include Vocational Rehab services, 2- or 4-year school, competitive and/or supported employment, or a trade. Accommodations and modifications are expected to be implemented and followed.

CONCEPTS: *Students who access learning below grade level.*

- Classroom Style: This classroom is functional skills based and includes targeted interventions per course. Homework is assigned once a week per core subject.
- Skills Development: These skills will lead to successful independent experiences (ex: counting money, self-care, etc). This tier focuses on the development of independent responses, task completion and living. Most grading is modified.
- Post Secondary Plans: Plans for students taking primarily Concept classes may include Comprehensive Transition Programs through colleges, a trade, competitive and/or supported employment, or Vocational Rehabilitation services. Accommodations and modifications are expected to be implemented and followed.

COLLEGE CREDIT OPTIONS

Dual Credit: We offer some math classes for dual credit through the University of Missouri - St. Louis' [Advanced Credit Program \(ACP\)](#). Students may choose to enroll through the University and receive both college and high school credit for the following courses:

<u>Course</u>	<u>Semester</u>	<u>College</u>	<u>Credits</u>
College Algebra	1 st and 2 nd Semester	UMSL	3
Pre-Calculus	1 st and 2 nd Semester	UMSL	5
Calculus 1	1 st and 2 nd Semester	UMSL	5
Calculus 2	1 st and 2 nd Semester	UMSL	5

For more information about these courses, their prerequisites, and how to enroll, please contact the Faculty Lead, Brandi McKenney, at bmckenney@miriamstl.org.

Dual Enrollment: Students may choose to get a head start on their college career while still in high school by taking classes at St. Louis Community College. High school credit may be awarded for some dual enrollment courses. For more information about dual enrollment opportunities please contact the Faculty Lead, Brandi McKenney, at bmckenney@miriamstl.org.

A+ PROGRAM

A+ Program Information

This program provides scholarship funds to eligible graduates of A+ designated high schools who attend a participating Missouri public community college or career/technical school. The scholarship funds include state reimbursed tuition and general fees for up to two years within 4 years of graduation, contingent upon state appropriation and allocation of funding and Miriam High School maintaining designation. Each student must enter into a written agreement with the school prior to graduation. Some Missouri 4-year universities will offer scholarship dollars to students that also complete these requirements, which is determined by the college itself.

Student Eligibility Requirements

- Be a U.S. Citizen or Permanent Resident
- Enter into a written agreement with your high school prior to graduation
- Attend an A+ designated high school for 2 years prior to graduation
- Graduate with an overall 2.5 unweighted grade point average (*2.499 GPA is not eligible*)
- Maintain an overall attendance rate of 95% or higher for grades 9-12.
- Maintain a record of good citizenship and avoidance of unlawful use of alcohol and drugs
- Receive a qualifying score on the **Math** section of the ACT in conjunction with GPA:

ACT MATH REQUIREMENT
• 17 or greater AND 2.5 GPA or greater • 16 AND 2.8 GPA or greater • 15 AND 3.0 GPA or greater

- Perform a total of 50 documented hours of unpaid academic tutoring, mentoring, or cadet teaching with students during their 4 years of high school. Up to 12.5 hours can be obtained by job shadowing. All tutoring must be approved by the A+ Coordinator.

WORK EXPERIENCE/INTERNSHIP PROGRAM

Miriam High School's Internship and Work Experience Program provides students with experience in the real world along with job related scaffolding and instruction focusing on job skills, interpersonal and social skills, and independent living skills.

Miriam High School will partner with interested students and their families to determine potential internship, volunteer, or work experience sites that align with the student's post-secondary goals and needs. Once a placement is confirmed, the Miriam team will:

- Develop a transportation plan in conjunction with the family
- Connect regularly with the work/internship/volunteer site to gather feedback and collaborate for success
- Provide additional skill development and training through our Miriam Essentials curriculum and/or other programming, including: executive function, time management, independent living, work site etiquette, communication, and teamwork

TRANSITION SERVICES

Miriam High School's Transition Program assists parents and students as they prepare for what comes after high school. This process starts early in the high school journey at Miriam through the Miriam Essentials and Experiential learning opportunities and is connected to each student's Individual Learning Plan. Transition services help students make connections with programs and opportunities to develop and achieve long-range goals, especially post-secondary opportunities.

Students are provided the opportunity to explore talents, interests and abilities while developing skills for independence and making decisions about the future. We will support students in making decisions based upon their interests and the family's desires for the post-secondary experience.

There are multiple post-secondary paths to explore:

- College Bound (2- or 4-year college or university with support services)
- Programs that offer post-secondary training and support in conjunction with a college experience (e.g., Comprehensive Transition Programs, College Internship Program, College Living Experience)
- Trade or Technical Skills
- Job Shadowing, Job Training, and Apprenticeship Programs
- Skills for Life Programs and/or Vocational Rehabilitation Services

Upon graduation, we will stay connected with alumni to gather feedback on progress and success post graduation.

For more information, contact the Transition Coordinator: Karen Cross kcross@miriamstl.org

Miriam High School COURSE SEQUENCES AND DESCRIPTIONS 2025 - 2026

**All course descriptions are general and may be modified
according to the curricular program a student is enrolled in
for credit completion.**

ENGLISH

4 Credits Required for Graduation

Course Options

- English 1 (Concepts or Core/Challenge) (1.0)
- English 2 (Concepts or Core/Challenge) (1.0)
- English 3 (Concepts or Core/Challenge) (1.0)
- English 4 (Concepts or Core/Challenge) (1.0)

Elective(s)

- Creative Writing (0.5)

Course Sequence

Grade 9	Grade 10	Grade 11	Grade 12
English 1 Concepts@ (1.0)	English 2 Concepts@ (1.0)	English 3 Concepts@ (1.0)	English 4 Concepts@ (1.0)
or	or	or	or
English 1 (1.0)	English 2 (1.0)	English 3 (1.0)	English 4 (1.0)
		English Elective (counts toward Elective credit)	
		Creative Writing (0.5)	
<i>*Placement in Concepts or Core/Challenge English classes is determined by individual academic progress and data as well as teacher recommendation.</i>			
<i>**If a student is identified as academically ready to move from Concepts level to Core/Challenge English, a transition plan will be created either at Semester or over the summer.</i>			

Course Descriptions

ENGLISH 1 Grade Level: 9	Length: Year Credit: 1.0 English
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COURSE DESCRIPTION: In English 1, students will study a variety of writing genres (e.g., short stories, novels, poetry, non-fiction). Students will develop a strong foundation in writing with an emphasis on literary analysis and an appropriate focus on grammar and vocabulary. Students also will engage in cooperative learning through class discussions and group projects.

ENGLISH 2 Grade Level: 10	Length: Year Credit: 1.0 English
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COURSE DESCRIPTION: English 2 challenges students to think analytically and creatively as they respond to a variety of texts. Students also will develop skills in writing for different purposes (e.g., expository, narrative, and/or argumentative) as well as engage in listening and discussion skills. In addition, students will continue their focus on vocabulary and grammar to develop sophistication and clarity in their writing.

ENGLISH 3 Grade Level: 11	Length: Year Credit: 1.0 English
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COURSE DESCRIPTION: In English 3, students analyze multiple themes and motifs present in works of literature and how they reflect thematic movements and schools of thought. Students will continue to develop their ability to determine an author's purpose, understand the rhetorical tools of the author's craft, delve into vocabulary, mechanics, written expression, and practice their oral communication skills. Major assessments include analytical and creative essays, research writing, and presentations.

ENGLISH 4 Grade Level: 12	Length: Year Credit: 1.0 English
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COURSE DESCRIPTION: English 4 students will examine how literature reflects cultural attitudes and values through the literary elements that make up an author's craft. Through close reading, discussion, and writing, students will examine and analyze recurring themes that reveal essential insights about human nature and society. In addition, students will write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence which includes arguing against a counterclaim. Editing, revision, and proofreading skills will include knowledge of grammar, punctuation, syntax, and vocabulary so that students are able to turn rough drafts into polished pieces.

CREATIVE WRITING Grade Level: 11, 12 Prerequisite: English 1	Length: Semester Credit: 0.5 Elective
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COURSE DESCRIPTION: Creative writing students will experiment with various genres of writing including fantasy, science fiction, realistic fiction, and poetry in order to discover their own writing preferences as well as expose them to new styles of writing. Students will use content-area vocabulary, plot elements, and literary techniques such as figurative language, dialect, and symbolism to write original pieces of fiction and nonfiction. Classes will be composed of a mini-lesson, guided writing, and independent writing. The semester will culminate with a final writing piece that has been edited and proofread.

FINE ARTS

1 Credit Required for Graduation

Course Options

- Art Foundations (1.0)
- Art Exploration 1 (0.5)
- Art Exploration 2 (0.5)
- Art Exploration 3 (0.5)
- Art History (0.5)

Course Sequence

Grade 9	Grade 10	Grade 11	Grade 12
Art Foundations (1.0)	Art Exploration 1 (0.5)	Art Exploration 2 (0.5)	Art Exploration 3 (0.5)
		Elective Options that Count for Graduation Credit	
		Art History (0.5)	

Course Descriptions

ART FOUNDATIONS Grade Level: 9 Prerequisite: None	Length: Year Credit: 1.0 Fine Arts
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COURSE DESCRIPTION: In this year-long introductory course students are encouraged to explore, experiment, and express themselves through various art forms. Utilizing a combination of hands-on projects, art history exploration, and critical analysis, students will develop a strong foundation in artistic techniques, aesthetics, and creative problem-solving. The course aims to foster creativity, critical thinking, and a lifelong appreciation for the power of artistic expression.

ART EXPLORATION 1 Grade Level: 10, 11, 12 Prerequisite: Art Foundations or teacher approval	Length: Semester Credit: 0.5 Fine Arts
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COURSE DESCRIPTION: In Art Exploration 1 and 2, students will embark on an enriched artistic exploration crafted to elevate students' creative journeys and delve deeper into a myriad of artistic mediums and techniques. Tailored for those with a foundational understanding of art, this course is a gateway to expanding creative horizons. Art Exploration invites students to dynamically explore advanced concepts, urging them to stretch the limits of artistic expression while refining their technical skills across diverse art forms.

ART EXPLORATION 2 Grade Level: 10, 11, 12 Prerequisite: Art Exploration 1 or teacher approval	Length: Semester Credit: 0.5 Fine Arts
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COURSE DESCRIPTION: In Art Exploration 1 and 2, students will embark on an enriched artistic exploration, crafted to elevate students' creative journeys and delve deeper into a myriad of artistic mediums and techniques. Tailored for those with a foundational understanding of art, this course is a gateway to expanding creative horizons. Art Exploration invites students to dynamically explore advanced concepts, urging them to stretch the limits of artistic expression while refining their technical skills across diverse art forms.

ART EXPLORATION 3 Grade Level: 10, 11, 12 Prerequisite: Art Exploration 2 or teacher approval	Length: Semester Credit: 0.5 Fine Arts
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COURSE DESCRIPTION: In Art Exploration 3, students will extend their artistic exploration with the ability to focus on mediums that they have demonstrated strong skill or interest in. The course will provide individualized instruction to continue to expand their techniques and creative horizons, stretching their limits of artistic expression while refining their technical skills across diverse art forms. Additionally, students will engage in meaningful art criticism and critique sessions, fostering a deeper understanding of their own work and that of their peers, to cultivate a more nuanced perspective on artistic expression.

ART HISTORY Grade Level: 11, 12 Prerequisite: Art Exploration 2	Length: Semester Credit: 0.5
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COURSE DESCRIPTION: In this semester-long course, discover a foundational introduction to key artistic movements, styles, and masterpieces throughout history. From ancient civilizations to contemporary art, students will delve into the stories behind renowned works, understand the significance of artistic movements, and refine their visual analysis skills. This immersive experience goes beyond theory – students can also anticipate engaging in hands-on art projects, applying their newfound knowledge and creativity. Immerse yourself in a dynamic exploration of the evolution of art and its profound impact on our shared human experience.

MATHEMATICS

3 Credits Required for Graduation (4 recommended for College)

Course Options

- Integrated Math Concepts 1, 2, 3, 4 @
- Algebra Foundations
- Algebra 1
- Algebra 2
- Geometry
- College Algebra
- Pre-Calculus
- Calculus 1
- Calculus 2

Course Sequence

Grade 9	Grade 10	Grade 11	Grade 12
Integrated Math Concepts 1 @ (1.0)	Integrated Math Concepts 2 @ (1.0)	Integrated Math Concepts 3 @ (1.0)	Integrated Math Concepts 4 @ (1.0)
or	or	or	or
Algebra Foundations (1.0)	Algebra 1 (1.0)	Algebra 2 (1.0)	College Algebra (1.0)
or	or	or	or
Algebra 1 (1.0)	Geometry (1.0)	College Algebra (1.0)	Pre-Calculus (1.0)
or	or	or	or
Geometry (1.0)	Algebra 2 (1.0)	Pre-Calculus (1.0)	Calculus 1 (1.0)
		or	or
		Calculus 1 (1.0)	Calculus 2 (1.0)

**Placement in Concepts or Core/Challenge Math classes is determined by individual academic progress and data as well as teacher recommendation.*

***If a student is identified as academically ready to move from Concepts level to Core/Challenge Math, a transition plan will be created either at Semester or over the summer.*

Course Descriptions

INTEGRATED MATH CONCEPTS 1, 2, 3, 4 @	Length: Year Credit: 1.0 Math
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Grade Level: 9, 10, 11, 12

Prerequisite: None

COURSE DESCRIPTION: This class sequence is a survey of broad foundational concepts in math and the application of those concepts to activities designed to mimic real life situations. With heavy emphasis on the basics of arithmetic, algebra, and geometry as well as individualized computation/concept skills, students will learn problem solving skills through hands-on-real-world applications. Meaningful lessons are designed to “make sense” and build student confidence in solving problems focusing on key learning standards. As students continue in the Integrated Math Concepts course sequence and build a stronger foundation of math skills through remediation, students can transition into higher conceptual level math courses.

ALGEBRA FOUNDATIONS	Length: Year Credit: 1.0 Math
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Grade Level: 9, 10, 11

Prerequisite: None

COURSE DESCRIPTION: This course is a mathematical course for students that need mastery of basic mathematical skills in order to be successful in Algebra 1. This course identifies gaps in an individual student's skills and then works to develop conceptual understanding of those skills. Course topics may include developing fluency in computational arithmetic, operations with real numbers, ratios, proportions, and basic algebraic skills.

ALGEBRA 1	Length: Year Credit: 1.0 Math
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Grade Level: 9, 10, 11, 12

Prerequisite: None

COURSE DESCRIPTION: This course introduces the students to variables, equations, and graphs as tools for solving mathematical problems. Students will also explore polynomials, factoring, logic and discrete math, and formulate algebraic equations from real world scenarios.

GEOMETRY	Length: Year Credit: 1.0 Math
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Grade Level: 9, 10, 11, 12

Prerequisite: None

COURSE DESCRIPTION: This course helps to develop the student's ability to think creatively and critically in nonmathematical, as well as mathematical situations. Geometry involves inductive and deductive reasoning, properties of polygons and circles, and parallel and perpendicular lines. Students will explore the applications of triangles through congruence and similarity. They will also be introduced to trigonometry, surface area and volume.

ALGEBRA 2 Grade Level: 9, 10, 11, 12 Prerequisite: Algebra 1	Length: Year Credit: 1.0 Math
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COURSE DESCRIPTION: Students will develop an increased competence in manipulative skills and understanding of algebraic concepts. Students will be able to translate into mathematical models situations more complex than those presented in previous math courses. Algebra 2 will provide a stable foundation for the continuation of the study of math. Topics discussed include: solving equations and inequalities, graphing linear relationships, solving systems of linear equations, simplifying polynomial and rational expressions, radicals, exponents and logarithms and quadratic relationships.

COLLEGE ALGEBRA Grade Level: 10, 11, 12 Prerequisite: Algebra 2	Length: Year Credit: 1.0 Math + 3.0 college credit, if desired
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COURSE DESCRIPTION: This course is a detailed study of functions and their graphs. Topics covered include linear and quadratic equations, inequalities, polynomial and rational functions, exponential and logarithmic equations, and systems of equations.

PRE-CALCULUS Grade Level: 11, 12 Prerequisite: Algebra 2	Length: Year Credit: 1.0 Math + 5.0 college credit, if desired
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COURSE DESCRIPTION: This course covers topics including factoring, simplifying rational functions, functions and their graphs, solving linear and nonlinear equations, polynomial functions, inverse functions, the binomial theorem, logarithms, exponentials, solutions to systems of equations using matrices, solutions to nonlinear systems of equations, and sequences. Students will also study trigonometry and inverse trigonometric functions with emphasis on trigonometric identities and equations.

CALCULUS 1 Grade Level: 11, 12 Prerequisite: Algebra 2	Length: Year Credit: 1.0 Math + 5.0 college credit, if desired
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COURSE DESCRIPTION: Topics include limits, derivatives, related rates, Newton's method, the Mean-Value Theorem, Max-Min problems, the integral, the Fundamental Theorem of Integral Calculus, areas, volumes, and average values.

CALCULUS 2 Grade Level: 11, 12 Prerequisite: Calculus 1	Length: Year Credit: 1.0 Math + 5.0 college credit, if desired
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COURSE DESCRIPTION: Topics include conic sections, rotation of axes, polar coordinates, exponential and logarithmic functions, inverse (trigonometric) functions, integration techniques, applications of the integral (including mass, moments, arc length, and hydrostatic pressure), parametric equations, infinite series, power and Taylor series.

MIRIAM ESSENTIALS

4 Credits Required for Graduation, unless a student enters after Semester 1 of Freshman Year.

Course Sequence

Grade 9	Grade 10	Grade 11	Grade 12
Miriam Essentials 9	Miriam Essentials 10	Miriam Essentials 11	Miriam Essentials 12

Course Description

MIRIAM ESSENTIALS Grade Level: 9, 10, 11, 12 Prerequisite: None	Length: Year Credit: 1.0 Miriam Essentials Elective Must enroll every semester attending Miriam High School
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COURSE DESCRIPTION: The Miriam Essentials curriculum teaches foundational skills and concepts to students in the areas of Academics, Life Skills, Health and Wellness, Community, and College and Career Readiness. Students will learn concepts ranging from note taking and organizing assignments to completing applications in preparation for college, post-secondary education, the workforce, or living as independently as possible. Additionally, the curriculum focuses on daily living skills, managing a household, and self advocacy. Curriculum builds as students grow, and real-life circumstances drive the instruction. Classroom lessons and frequent trips to community businesses and organizations are all part of the Miriam Experience. In addition, during the last quarter of each year, students will engage in 6-week experiential units of study offering choices to the students.

PHYSICAL EDUCATION

1.5 Credits Required for Graduation, must include .5 Health

Course Options

- Health (0.5), required for graduation
- Lifelong Fitness (0.5)
- Physical Education (0.5)
- Team Sports (0.5)

Course Sequence

Grade 9	Grade 10	Grade 11	Grade 12
Team Sports (0.5)	Team Sports (0.5)	Team Sports (0.5)	Team Sports (0.5)
Physical Education (0.5)	Physical Education (0.5)	Physical Education (0.5)	Physical Education (0.5)
Lifelong Fitness (0.5)	Lifelong Fitness (0.5)	Lifelong Fitness (0.5)	Lifelong Fitness (0.5)
	Health (0.5) Required for graduation		

Course Descriptions

*Denotes class can be taken multiple times towards an elective credit.

HEALTH Grade Level: 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Health Graduation requirement - must take once
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COURSE DESCRIPTION: Health class will focus on the Missouri Health Standards. It will include: First Aid and CPR/AED, structures of, functions of, and relationships among human body systems; principles and practices of physical, mental, social, and emotional health (such as but not limited to, personal health habits, nutrition, stress management); diseases and methods for prevention, treatment and control; methods used to assess health, reduce risk factors, and avoid high risk behaviors (such as violence, tobacco, alcohol and other drug use); consumer health issues (such as the effects of mass media and technologies on safety and health); and responses to emergency situations.

PHYSICAL EDUCATION* Grade Level: 9, 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 PE
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COURSE DESCRIPTION: Physical Education offers students the opportunity to participate in a variety of individual and team sport activities, as well as weight training. In addition, topics that are pertinent to the total health, wellness and fitness of the students are discussed in order to make students more knowledgeable of these topics and to help them in making decisions in regard to their overall health and development. Activities include: fitness walking, golf, lacrosse, football, soccer, volleyball, pickleball, basketball, hockey, badminton, tennis, wiffleball, as well as fitness activities/stations, scooter activities, bowling, bean bag, scoops flag and backyard games. Benefits of PE include but are not limited to: improved physical fitness, enhanced motor development, stress reduction, motivation, self confidence, leadership skills, and a greater ability to focus on tasks and achieve goals.

LIFELONG FITNESS* Grade Level: 9, 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 PE
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COURSE DESCRIPTION: This class is designed for students to have the opportunity to participate in some physical activity to allow for movement and stress relief. The course will be taught in collaboration with the Occupational Therapist to design and offer activities to address OT goals for students. Such activities may include warm - up/stretching exercises, walking (indoor and outdoor), as well as team sports. Students will be expected to participate in an activity involving movement - after given some choices.

TEAM SPORTS* Grade Level: 9, 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 PE
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COURSE DESCRIPTION: Team Sports offers students the opportunity to participate in a variety of team sport activities, as well as weight training. To go along with these activities, topics that are pertinent to the total health, wellness and fitness of the students are discussed. Students will increase their understanding of sporting rules as well as work to enhance their overall physical fitness. Participation in Team Sports can assist with motor skill development, mindfulness, student accountability, motivation, stress management, and self esteem. Students should come to class everyday prepared to participate in Physical Education class activities. Grades are based on effort, participation, daily work, assignments, class activities, projects, quizzes and tests.

PRACTICAL ARTS

1.5 Credit Required for Graduation, which must include 0.5 Personal Finance

Course Options

- Computer Applications (1.0)
- Personal Finance (1.0), required for graduation

Elective(s)

- Child Development (0.5)
- Culinary Arts* (0.5)
- Studio Productions* (0.5)
- Textiles* (0.5)

Course Sequence

Grade 9	Grade 10	Grade 11	Grade 12
Computer Applications (1.0)		Personal Finance (1.0) (required for graduation)	
Elective Options that Count for Graduation Credit		Child Development (0.5)	
		Culinary Arts* (1, 2) (0.5)	
		Studio Productions* (1, 2) (0.5)	
		Textiles* (1, 2) (0.5)	

Course Descriptions

*Denotes class can be taken multiple times towards an elective credit.

CULINARY ARTS* Grade Level: 9, 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Practical Arts
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COURSE DESCRIPTION: In this course, students will explore the art of cooking. This beginner-friendly class is designed to teach not only cooking, but also essential life skills and safety in the kitchen. Through hands-on experiences, students will expand their culinary understanding and develop practical skills that go beyond the stove. From mastering basic cooking techniques to gaining insights into planning nutritious meals, this course lays a solid foundation in cooking that proves valuable for a lifetime.

TEXTILES* Grade Level: 9, 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Practical Arts
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COURSE DESCRIPTION: Students will learn about the fascinating world of textiles with this foundational class that explores the art and science of fabric creation, manipulation, sewing, and practical home care. This introductory level course provides students with the opportunity to unravel the secrets of textile craftsmanship, from historical techniques to contemporary applications. Through hands-on projects, sewing exercises, and a unique focus on care and maintenance, students will develop essential skills for textile creation and sewing, while also gaining insights into preserving the longevity and beauty of textiles in their daily lives.

PERSONAL FINANCE Grade Level: 10, 11, 12 Prerequisite: None	Length: Semester Credit: 1.0 Practical Arts Graduation Credit, must be taken once
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COURSE DESCRIPTION: Understanding and managing personal finances are key to one's future financial success. This class presents essential knowledge and skills to help students make wise decisions about real-world financial issues. Topics covered will include income, money management, spending and credit, as well as saving and investing, and more. Students will design personal and household budgets and simulate the use of checking and savings accounts. This class will provide students with a foundational understanding to help them make informed personal financial decisions in their life after high school.

COMPUTER APPLICATIONS Grade Level: 9 Prerequisite: None	Length: Year Credit: 1.0 Practical Arts
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COURSE DESCRIPTION: In this course, students will learn Word (word processing), Excel (spreadsheet), and PowerPoint (graphic presentation). Students will be expected to acquire and use keyboarding and internet exploration skills to compose information into meaningful documents. Students will transfer learned skills from one application to another while organizing and creating professional documents. Students also will be exposed to a variety of adaptive technology tools and techniques to assist with their learning needs, such as Grammarly and text-to-speech applications. Finally, students will explore the pros and cons of generative AI and how it can ethically be used as a tool throughout their life.

STUDIO PRODUCTIONS* Grade Level: 9, 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Practical Arts
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COURSE DESCRIPTION: Students in this course will develop graphic design, learn the fundamentals of multimedia skills, expand their technical skills, and develop computer and multimedia publications. They will learn to use studio-quality recording equipment to create photo, video, and audio productions and expand their creativity. Students will learn the basics of camera work both in front of and behind the lens, as well as how to edit and mix audio and visual elements to create a polished and professional final product. Whether you want to report the news, make a parody video, edit photos, create a podcast, or record your first musical single, this class will provide you with the tools and develop the skills you need to bring your ideas to life!

CHILD DEVELOPMENT Grade Level: 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Practical Arts
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COURSE DESCRIPTION: In this course, students will study the physical, emotional, social, and intellectual development of children from birth through childhood, focusing on stages of development. Emphasis is on helping students acquire knowledge and skills essential to the care and nurturing of children. Theories of child development, responsibilities and challenges of parenthood, parenting styles, prenatal development, and labor and delivery will all be covered.

SCIENCE

3 Credits Required for Graduation

Course Options

- Biology (1.0)
- Earth Science (1.0)
- Physical Science (1.0)
- Chemistry (1.0)
- Physics (1.0)

Elective(s)

- Animal Behavior (0.5)
- Forensic Science (0.5)
- Science Discovery* (0.5) (can be for credit, with department and principal approval)
- Environmental Science (1.0)

Course Sequence

COURSE SEQUENCE BY GRADUATION YEAR				
	Freshman Class of 2029	Sophomore Class of 2028	Junior Class of 2027	Senior Class of 2026
Concepts Level Course Sequence @	Earth Science (25-26) Physical Science (26-27) Biology (27-28)	Biology (24-25) Earth Science (25-26) Physical Science (26-27)	Physical Science (23-24) Biology(24-25) Earth Science (25-26)	Earth Science (22-23) Physical Science (23-24) Biology (24-25)
Core/ Challenge Level Sequence	Earth Science (25-26) Physical Science (26-27) Biology or Physics (27-28)	Biology (24-25) Earth Science (25-26) Physics or Physical Science (26-27)	Biology (23-24) Earth Science (24-25) Chemistry or Earth Science (25-26)	Science Discovery (22-23) Biology (23-24) Earth Science, Biology, or Physics (24-25)
<i>*Placement in Concepts or Core Curricular classes is determined by individual academic progress and data as well as teacher recommendation.</i> <i>**If a student is identified as academically ready to move from Concepts level to Core Science, a transition plan will be created either at Semester or for over the summer.</i>				

ADDITIONAL SCIENCE COURSES				
	9	10	11	12
	Science Discovery (0.5), elective	Animal Behavior (0.5), elective	Chemistry (1.0)	Chemistry (1.0)
		Forensic Science 1 (0.5), elective	Environmental Science (1.0)	Environmental Science (1.0)
		Forensic Science 2 (0.5), elective	Animal Behavior (0.5), elective	Animal Behavior (0.5), elective
		Science Discovery (0.5), elective	Forensic Science 1 (0.5), elective	Forensic Science 1 (0.5), elective
			Forensic Science 2 (0.5), elective	Forensic Science 2 (0.5), elective
			Science Discovery (1, 2) (0.5), elective	Science Discovery (1, 2) (0.5), elective

Course Descriptions

* Denotes class can be taken multiple times towards an elective credit.

BIOLOGY Grade Level: 9, 10, 11 (based on rotation) Prerequisite: None	Length: Year Credit: 1.0 Science
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COURSE DESCRIPTION: This course is designed for students to develop a basic understanding of living systems, inheritance, and cellular structure. Emphasis will be placed on vocabulary, laboratory safety, experimental design, and problem-solving skills. Through laboratory experiences and practical application, students will investigate concepts of modern biology, particularly in the areas of ecology, biochemistry, cell biology, energetics, genetics, DNA, and evolution.

EARTH SCIENCE Grade Level: 9, 10, 11, 12 (based on rotation) Prerequisite: None	Length: Year Credit: 1.0 Science
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COURSE DESCRIPTION: The Earth Science course is designed to allow students the opportunity to learn about the internal and external physical structures of the Earth and how it formed and evolved over time through geologic phenomena. Units of study may include the Earth's place in the

universe, the Earth's systems, and Earth and human activity. Real world applications may also be presented throughout the course.

PHYSICAL SCIENCE Grade Level: 9, 10, 11, 12 (based on rotation) Prerequisite: None	Length: Year Credit: 1.0 Science
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COURSE DESCRIPTION: Physical Science is the science of energy and its physical effects on matter. Topics include: mechanics, motion, heat, sound, light, electricity, magnetism, and applicable earth and space science objectives. Students will learn about the ways in which matter and energy interact within the natural world.

CHEMISTRY Grade Level: 11, 12 (based on rotation) Prerequisite: Algebra 1	Length: Year Credit: 1.0 Science
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COURSE DESCRIPTION: Chemistry is the study of the structure and composition of matter that makes up living things and their environment. Chemistry also deals with the study of the changes of matter and the mechanisms by which changes occur. Topics will include properties of matter, chemical naming, chemical reactions, atomic theory, periodic table, gas laws, and stoichiometry. Ability to solve basic algebraic equations is expected. Students will perform laboratory investigations to connect learning to real-world applications. This course is recommended for college-bound students.

PHYSICS Grade Level: 11, 12 (based on rotation) Prerequisite: Algebra 1	Length: Year Credit: 1.0 Science
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COURSE DESCRIPTION: Physics is the science of energy transfer and its applications to the physical world. Topics include the mathematical underpinnings of mechanics, motion, sound, light, electricity, magnetism, thermodynamics and its applications real-world modeling. Students will learn the interactions of these topics and their effects on the real-world from the microscopic to macroscopic.

ENVIRONMENTAL SCIENCE Grade Level: 11, 12 Prerequisite: None	Length: Year Credit: 1.0 Science
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COURSE DESCRIPTION: Environmental Science is a multidisciplinary field that draws from the physical sciences in addition to other fields. This course teaches the connection between all living organisms within an ecosystem. It helps students better understand the impact humans have on the world around them and ways in which individuals can influence the environment through their actions. Environmental Science explains the concept of biome as a region defined by a specific climate, plant life, and animal community. Content highlights the critical value of clean water, the

impact of pollution, agricultural and population issues, and various types of existing and future energy resources and technologies.

SCIENCE DISCOVERY* Grade Level: 9, 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Science
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COURSE DESCRIPTION: Students can explore science topics of individual and group interest which can include botany, astronomy, environmental science, geology, and weather. Students will learn and then apply the scientific method for experiments and research. This class will use project-based learning and is for students who want to explore science topics.

FORENSIC SCIENCE 1 Grade Level: 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Elective
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COURSE DESCRIPTION: The Forensic Science Program introduces the principles and procedures employed in criminal and civil investigations. Areas of study include endeavors such as medicine, pathology, psychology, geology, entomology, fingerprint technology, chemistry, and biology. Emphasis will be put on gathering, analyzing, and interpreting physical evidence, using modern laboratory technologies and procedures.

FORENSIC SCIENCE 2 Grade Level: 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Elective
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COURSE DESCRIPTION: Forensic Science 2 builds upon foundational forensic science principles learned in Forensic Science 1 to explore more sophisticated techniques used in criminal investigations. Students will deepen their understanding of advanced DNA analysis, toxicology, digital forensics, questioned documents examination, and more complex crime scene investigation procedures, often with a focus on applying these methods to real-world scenarios and legal considerations involved in presenting evidence in court. The course emphasizes scientific rigor, critical thinking, and practical application of forensic science in modern investigations.

ANIMAL BEHAVIOR Grade Level: 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Elective
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COURSE DESCRIPTION: This course is designed to teach students about the innate, learned, and social behaviors of animals. Students will understand why animal behavior is studied, explain how animals have evolved over time, and gain a clear understanding of the way that animals learn.

SOCIAL STUDIES

3 Credits Required for Graduation

Course Options

- World History (1.0)
- US History (1.0)
- American Government (1.0)

Elective(s)

- Introduction to Geography (0.5)

Course Sequence

Note: Social Studies courses will be offered in a three year rotation depending on a student's year of entry. Students must take US History before taking American Government.

COURSE SEQUENCE BY GRADUATION YEAR			
Freshman Class of 2029	Sophomore Class of 2028	Junior Class of 2027	Senior Class of 2026
History elective (optional) World History (26-27) US History (27-28) Amer. Government (28-29)	US History (24-25) Amer. Government (25-26) World History (26-27)	World History (23-24) US History (24-25) Amer. Government (25-26)	US History (22-23) World History (23-24) Geography (24-25) optional Amer. Government (25-26)
<i>All of the courses above are available in both Concepts@ and Core/Challenge Curricular level.</i> <i>*Placement in Concepts or Core Curricular classes is determined by individual academic progress and data as well as teacher recommendation.</i> <i>**If a student is identified as academically ready to move from Concepts level to Core History, a transition plan will be created either at Semester or over the summer.</i>			
ADDITIONAL SOCIAL SCIENCE COURSES			
9	10	11	12
Geography (0.5), elective	Geography (0.5), elective Warfare and Legacy (0.5), elective	Geography (0.5), elective Warfare and Legacy (0.5), elective	Geography (0.5), elective Warfare and Legacy (0.5), elective

Course Descriptions

UNITED STATES HISTORY Grade Level: 9, 10, 11 Prerequisite: None	Length: Year Credit: 1.0 Social Studies
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COURSE DESCRIPTION: US History examines the major events in American history from the nation's beginnings to the Civil War and Reconstruction, and how these events have continued to impact our culture in the twentieth and twenty-first centuries. In studying the political, economic, social and cultural development of the nation, students will gain an understanding of our unique American culture as well as how American policies have impacted indigenous peoples, people of color, and other minority groups. Activities include readings, discussion and debate, research, examination of primary sources, and hands-on projects.

AMERICAN GOVERNMENT Grade Level: 9, 10, 11 Prerequisite: US History	Length: Year Credit: 1.0 Social Studies
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COURSE DESCRIPTION: In American Government, students will gain a practical understanding of the principles of democracy and republicanism. Students will delve into our civil liberties, legal rights and responsibilities, the judicial system, and how each affects us individually as well as different groups of people. The students will also examine the framework of the Missouri state constitution, and other documents that shape the United States Government. The students will take the required US Constitution/American Civics and Missouri Constitution test at the end of the semester.

WORLD HISTORY Grade Level: 9, 10, 11, 12 Prerequisite: None	Length: Year Credit: 1.0 Social Studies
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COURSE DESCRIPTION: World History will encompass early civilizations through the world wars. Students will gain an appreciation of early civilizations and their cultural traditions: how they have impacted our own culture, how they have developed over time, and why civilizations rise and fall. In addition, students will investigate the causes and effects of nationalism, the Industrial Revolution, and imperialism, and their impact on the world today. Students will learn through a variety of modalities including readings, discussion and debate, video analysis, research, examination of primary sources, and hands-on projects.

GEOGRAPHY Grade Level: 9, 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Social Studies Elective
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COURSE DESCRIPTION: Geography is a semester-long class designed to introduce students to the fundamental concepts of both physical and human geography. Through this course, students will learn about physical features/landforms, diverse cultures, and interconnected systems, tailored to either the United States or the broader world. This course is designed based on individual student needs.

WARFARE AND LEGACY: A Deep Dive into America's Conflicts Grade Level: 10, 11, 12 Prerequisite: US History	Length: Semester Credit: 0.5 Social Studies Elective
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COURSE DESCRIPTION: Warfare and Legacy is a semester-long course that provides an in-depth exploration of America's military conflicts and their lasting impact. Students will analyze the root causes of key wars, examine pivotal battles and strategies, and explore technological advancements that shaped warfare. Beyond the battlefield, the course will investigate the consequences of these conflicts, including their political, social and economic effects, as well as how they set the stage for future wars. Students will gain a deeper understanding of the complex legacy of American warfare.

WORLD LANGUAGE

0 Credits Required for Graduation (2 Credits recommended for College)

Course Sequence

- Spanish 1 must be taken before a student can take Spanish 2
- Sign Language can be taken as a Sophomore, Junior, or Senior

Course Descriptions

SPANISH 1 Grade Level: 10, 11, 12 Prerequisite: Must be enrolled in Core/Challenge level English classes	Length: Year Credit: 1.0 World Language Elective
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COURSE DESCRIPTION: Spanish 1 is an introductory course designed to provide students with a foundation in basic Spanish language skills. This year-long class will focus on building essential skills in speaking, listening to, and reading Spanish, while also introducing some cultural aspects of Spanish-speaking countries.

SPANISH 2 Grade Level: 11, 12 Prerequisite: Spanish 1	Length: Year Credit: 1.0 World Language Elective
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COURSE DESCRIPTION: This course builds upon the foundation of Spanish 1, further developing students' skills in speaking, listening, reading, and writing in Spanish. Emphasizing practical communication, students will expand vocabulary, deepen their understanding of grammar, and enhance their cultural awareness. Through interactive activities and real-world applications, students will gain confidence in expressing themselves in a variety of everyday situations.

SIGN LANGUAGE Grade Level: 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 World Language Elective
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COURSE DESCRIPTION: This introductory course in American Sign Language (ASL) provides students with a foundation in fingerspelling, essential vocabulary, sentence structure, and conversational skills. Through interactive activities and practice, students will develop confidence in basic ASL communication. Additionally, the class will collaborate to learn and perform a signed song, enhancing both language skills and cultural appreciation.

ELECTIVES

7 Credits Required for Graduation

Course Options

Grade 9	Grade 10	Grade 11	Grade 12
Principles of Engineering (1.0)	Principles of Engineering (1.0)	Principles of Engineering (1.0)	Principles of Engineering (1.0)
	Film Study (0.5)	Film Study (0.5)	Film Study (0.5)
	Yearbook (1.0)	Yearbook (1.0)	Yearbook (1.0)

Course Descriptions

*Denotes class can be taken multiple times towards an elective credit.

INDEPENDENT STUDY Grade Level: 9, 10, 11, 12 Prerequisite: Teacher and Principal Approval	Length: TBD Credit: TBD
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COURSE DESCRIPTION: Students will work independently on course work under the supervision of a teacher. This may include a course that is facilitated by another teacher or an online course.

FILM STUDY Grade Level: 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Elective
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COURSE DESCRIPTION:

Film Study is a dynamic and interactive course designed to immerse students in the history of cinema while exploring film as a visual art form. Students will analyze key films, examining their narrative structures, cinematography, and literary elements. Through engaging discussions, hands-on activities, and creative projects, students will develop a deeper appreciation for filmmaking techniques and storytelling. This course is perfect for students who love watching movies and enjoy dissecting the themes, styles, and artistic choices that make films impactful.

Yearbook* Grade Level: 10, 11, 12 Prerequisite: None	Length: Year Credit: 1.0 Elective
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COURSE DESCRIPTION: In this course, students help to create the Miriam High School Yearbook under the guidance of the instructor. Students will continue to develop journalistic writing skills, as well as learn design and photographic composition skills. Students are expected to edit copy and design. Students will work with each other to develop layouts and create and gather all elements necessary for spreads: photographs, captions, graphics, copy, and ethics consistent with responsible journalism.

MUSIC APPRECIATION Grade Level: 10, 11, 12 Prerequisite: None	Length: Semester Credit: 0.5 Elective
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COURSE DESCRIPTION: This semester-long course is designed to introduce students to the diverse world of music by exploring different decades and genres. We will examine popular music from the 1900s through the early 2000s, and how that music connected with each time period. Through listening exercises, discussions, and activities, students will develop a deeper appreciation for music as an art form and gain insight into its cultural and historical significance.

PRINCIPLES OF ENGINEERING Grade Level: 9, 10, 11, 12 Prerequisite: None	Length: Year Credit: 1.0 Elective
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COURSE DESCRIPTION: Principles of Engineering introduces students to the diverse fields of engineering and their impact on shaping the modern world. Through hands-on projects and problem-solving challenges, students will explore key areas such as product design, mechanical systems, infrastructure, and sustainability. Using some cutting-edge tools and technologies—including robotics, 3D modeling, programming, and prototyping—students will develop critical thinking and technical skills essential to the engineering process. This course provides a strong foundation for those interested in innovation, design, and real-world problem-solving.