

SY 2017: UMA Middle School Course Descriptions - Math

Course Title	State Course Code	Low Grade	High Grade	Sem or Year	Foundation, Supplemental, Applied or Advanced
Description					

Math 7	07-08-00-00-070	7	7	Year	Foundation
Required at UMA for Grade 7 - Math 7 focuses on four critical areas: (1) understanding and using proportional relationships including slope, unit rates, and rate of change; (2) defining and using rational numbers including fractions and decimals, including using them in expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) using statistics to draw inferences about populations based on samples.					

Math 8	07-08-00-00-080	8	8	Year	Foundation
Required at UMA for Grade 8 - Math 8 continues to build on concepts learned in seventh grade and focuses on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling data using linear equations, and solving linear equations and systems of linear equations; (2) defining functions and using functions to describe relationships; (3) analyzing two- and three-dimensional figures, and understanding and applying the Pythagorean Theorem.					

Math 8 Honors	07-08-00-00-085	8	8	Year	Foundation
Required at UMA for Grade 8 - Math 8 continues to build on concepts learned in seventh grade and focuses on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling data using linear equations, and solving linear equations and systems of linear equations; (2) defining functions and using functions to describe relationships; (3) analyzing two- and three-dimensional figures, and understanding and applying the Pythagorean Theorem.					

SY 2017: UMA Middle School Course Descriptions - Language Arts

Course Title	State Course Code	Low Grade	High Grade	Sem or Year	Foundation, Supplemental, Applied or Advanced
Description					

Language Arts 7	06-02-00-00-020	7	7	Year	Foundation
Required at UMA for Grade 7 - Language Arts 7 is designed to prepare cadets with the knowledge and skills required for the next level of courses; developing and strengthening proficiencies in reading, writing, speaking, listening, language, and critical thinking. Cadets will read literature from several genres, and will use the writing process to develop various forms of writing, making connections with themselves, texts, and the world. Cadets will enhance their presentations skills both in writing and public speaking. This is a holistic course encompassing all aspects of English.					

Language Arts 8	06-02-00-00-030	8	8	Year	Foundation
Required at UMA for Grade 8 - In Language Arts 8 cadets will focus on major Language Arts skills: reading, writing, speaking, listening, and language. Cadets will read a variety of classical literature, poems, short stories, and informative texts. Cadets will develop writing skills for narrative, descriptive, argumentative, informative, compare and contrast, and research. In addition to reading and writing, cadets will develop presentations and enhance the skills required for public speaking. Cadets will build on their vocabulary in writing and in speech, develop sentence structure, and maintain proper grammar usage. The overall goal of the Language Arts 8 curriculum is to prepare students with the knowledge and skills required for the next level courses. Cadets will improve critical thinking skills through the use of lateral puzzles and true to life connections.					

Language Arts 8 Honors	06-02-00-00-035	8	8	Year	Foundation
Required at UMA for Grade 8 - In Language Arts 8 cadets will focus on major Language Arts skills: reading, writing, speaking, listening, and language. Cadets will read a variety of classical literature, poems, short stories, and informative texts. Cadets will develop writing skills for narrative, descriptive, argumentative, informative, compare and contrast, and research. In addition to reading and writing, cadets will develop presentations and enhance the skills required for public speaking. Cadets will build on their vocabulary in writing and in speech, develop sentence structure, and maintain proper grammar usage. The overall goal of the Language Arts 8 curriculum is to prepare students with the knowledge and skills required for the next level courses. Cadets will improve critical thinking skills through the use of lateral puzzles and true to life connections.					

SY 2017: UMA Middle School Course Descriptions - Science

Course Title	State Course Code	Low Grade	High Grade	Sem or Year	Foundation, Supplemental, Applied or Advanced
Description					

Integrated Science 7	08-05-00-00-001	7	7	Year	Foundation
<p>Required at UMA for Grade 7 - Integrated Science 7 focuses on a theme of structure to help students understand the world around them. Five main concepts relating to structure will be covered including: (1) the structure of matter as atoms and molecules, (2) density and how it affects the structure of Earth, (3) the structure of life including cells, organs and organ systems, (4) the structure of genes and how traits are passed from parent to offspring, and (5) how structure is used to develop classification systems, particularly for living things. Seventh grade science will also provide a foundation for students to learn about the nature of science through hands-on inquiry, laboratory experiments and projects.</p>					

Integrated Science 8	08-05-00-00-010	8	8	Year	Foundation
<p>Required at UMA for Grade 8 - 8th Grade Integrated Science will focus on changes in matter and energy, which will be studied in relation to Physics, Geology, Biology, and Chemistry. Unit 1 covers the atomic nature of matter, physical properties, chemical and physical change and how energy changes the behavior of matter. Unit 2 traces the path of energy from the sun through all the living systems of earth. Unit 3 covers the energy and matter transformations occurring inside our planet; the process of rock formation and transformation and the forces that shape our world. Unit 4 brings all these concepts together in the study of the physics of simple machines, energy movement through materials, the nature of light and EM waves.</p>					

Integrated Science 8 Honors	08-05-00-00-015	8	8	Year	Foundation
<p>Required at UMA for Grade 8 - 8th Grade Integrated Science will focus on changes in matter and energy, which will be studied in relation to Physics, Geology, Biology, and Chemistry. Unit 1 covers the atomic nature of matter, physical properties, chemical and physical change and how energy changes the behavior of matter. Unit 2 traces the path of energy from the sun through all the living systems of earth. Unit 3 covers the energy and matter transformations occurring inside our planet; the process of rock formation and transformation and the forces that shape our world. Unit 4 brings all these concepts together in the study of the physics of simple machines, energy movement through materials, the nature of light and EM waves.</p>					

SY 2017: UMA Middle School Course Descriptions - History

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	Sem or Year	Foundation, Supplemental, Applied or Advanced
Description						

Utah Studies	09-05-00-00-070	09-07-070	7	7	Year	Foundation
<p>Required at UMA for Grade 7 - In Utah Studies Cadets will study the History of Utah, its early Native American settlement, the settling by early pioneers, and its progression into the modern state. Further, the modern Utah government structure, from local to state, as well as issues that face Utah "here and now" will be examined.</p>						

US History I	09-05-00-00-030	09-08-030	8	8	Year	Foundation
<p>Required at UMA for Grade 8 - Content in this course covers events and issues from the Age of Exploration through Reconstruction and the western movement. Topics covered will include, but are not limited to exploration, colonization, the Revolutionary War, constitutional issues, nation building, the Civil War, Reconstruction, and the western movement.</p>						

SY 2017: UMA Middle School Course Descriptions - Fine Arts

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	Sem or Year	Foundation, Supplemental, Applied or Advanced
Description						

Art Foundations I	02-01-00-00-060	02-07-060	7	8	Sem	Foundation
Art Foundations 1 is designed to provide a broad overview of some basic visual art skill using different art mediums, related materials and concepts. Foundation I should emphasize exposing students to fundamental observational drawing and shading skill. Basic						

Beginning Band I	02-04-01-00-001	02-07-001	7	12	Year	Foundation
Band I - MS provides opportunities for students to develop their musical potential and aesthetic understanding through learning to play a woodwind, brass, or percussion instrument in a large ensemble band setting.						

Beginning Chorus I	02-04-02-00-001	02-07-002	7	12	Year	Foundation
Chorus I - MS provides opportunities for students to develop their musical potential and aesthetic understanding through singing in a choral mixed ensemble.						

SY 2017: UMA Middle School Course Descriptions - Military Culture and Learning Strategies

Course Title	State Course Code	Low Grade	High Grade	Sem or Year	Foundation, Supplemental, Applied or Advanced
Description					

Military Awareness 7	15-00-00-00-008	7	7	Year	UMA Foundation
<p>Required at UMA for Grade 7 - A course dealing with the acquisition, internalization, and application of commonly held and time-honored principles within the military which promote optimal personal growth, establish an upright citizenry, and support the common good. Students will develop personal qualities such as self-esteem, self-discipline, integrity, honesty and responsibility.</p>					

Military Culture 8	15-00-00-00-008	8	8	Year	UMA Foundation
<p>Required at UMA for Grade 8 - A course dealing with the acquisition, internalization, and application of commonly held and time-honored principles within the military which promote optimal personal growth, establish an upright citizenry, and support the common good. Students will develop personal qualities such as self-esteem, self-discipline, integrity, honesty and responsibility.</p>					

Beginning Drill	15-00-00-00-060	8	10	Year	Elective
<p>A Course that introduces cadets to the concept of armed and unarmed drill. Preparatory for competitive drill.</p>					

MS Transition	15-00-00-00-045	7	8	Year	Supplemental
<p>Only available for students with IEPs. This course is designed to provide specialized instruction for targeted, individualized education goals for students with disabilities.</p>					

Language Arts Supplemental		7	8	Year	Supplemental
<p>Only available for students with IEPs. This course is designed to provide specialized instruction for targeted, individualized education goals for students with disabilities, including preteaching and reteaching core English content.</p>					

Math Supplemental		7	8	Year	Supplemental
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Only available for students with IEPs. This course is designed to provide specialized instruction for targeted, individualized education goals for students with disabilities, including preteaching and reteaching core Math content.

2017: UMA Middle School Course Descriptions - PE, Health & C

Course Title	State Course Code	Low Grade	High Grade	Sem or Year	Foundation, Supplemental, Applied or Advanced
Description					

Physical Education	04050000010	7	8	Sem	Foundation
<p>A middle school class that provides instruction in physical education and results in credit for core-required Intermediate Fitness, Team Sports.</p>					

Health 1	4010000001	7	7	Sem	Foundation
<p>Introductory required core class providing opportunities for students to develop knowledge, skills and attitudes necessary for practicing lifelong, health enhancing behaviors.</p>					

College & Career Awareness 7	39-01-00-00-001	7	8	Sem	Foundation
<p>The Technology, Life, and Careers (TLC) core course is an integrated exploratory program. The purpose is to allow students to be involved in activity-centered lessons which explore careers, utilize technology, and develop beginning skills. This course focuses on setting achievable college and career goals and helps students to visualize their future. An emphasis on assignment completion and timeliness is a major component in the College and Career Awareness curriculum.</p>					

Digital Literacy 1	32-02-00-00-170	7	8	Sem	Foundation
<p>This course is an introduction to computer literacy. This course introduces students to the fundamental concepts and operations necessary to use computers. Emphasis is placed on basic functions and familiarity with computer use. Topics include: computer terminology, introduction to the windows environment, introduction to networking, introduction to word processing, introduction to spreadsheets, and introduction to databases. An understanding of ethics and use of operating systems, information resources, and electronic mail is included.</p>					