



Valley STEM + ME2 Academy - Academic Course Descriptions

Algebra 1
The first course in a four-year sequence that addresses the high school portion of the New Learning Standards for Mathematics. Description of the content appropriate for this course is identified in the Traditional Pathway of Appendix A and/or the Model Content Framework.
Algebra 1 Honors
The first course in a four-year sequence that addresses the high school portion of the New Learning Standards for Mathematics. Description of the content appropriate for this course is identified in the Traditional Pathway of Appendix A and/or the Model Content Framework.
Algebra 2
The third course in a four-year sequence that addresses the high school portion of the New Learning Standards for Mathematics. Description of the content appropriate for this course is identified in the Traditional Pathway of Appendix A and/or the Model Content Framework.
Algebra 2 Honors
The third course in a four-year sequence that addresses the high school portion of the New Learning Standards for Mathematics. Description of the content appropriate for this course is identified in the Traditional Pathway of Appendix A and/or the Model Content Framework.
American History
A high school level course centered on the study of America's past. This course is aimed at studying the major events, eras, and social issues from 1877 to the present through three different lenses: Law, Economics, and War. To accomplish this goal this course uses primary and secondary sources to analyze these epochs of American Society to gather a deeper understanding and consider alternative points of view from then and now.
American History Honors
A high school level course centered on the study of America's past. This course is aimed at studying the major events, eras, and social issues from 1877 to the present through three different lenses: Law, Economics, and War. To accomplish this goal this course uses primary and secondary sources to analyze these epochs of American Society to gather a deeper understanding and consider alternative points of view from then and now.
Biology
High school level course that satisfies Ohio's science graduation requirements as required by section 3313.603 of the Ohio Revised Code which requires inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information. Content from this course contributes to the Ohio Graduation Test. Course includes content found in Ohio's New Learning Standards and Model Curriculum for Science, High School Biology.
Biology Honors
High school level course that satisfies Ohio's science graduation requirements as required by section 3313.603 of the Ohio Revised Code which requires inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information. Content from this course contributes to the Ohio Graduation Test. Course includes content found in Ohio's New Learning Standards and Model Curriculum for Science, High School Biology.



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Chemistry
Advanced high school level course that satisfies Ohio Core science graduation requirements as required by section 3313.603 of the Ohio Revised Code, which requires inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information. Course includes content found in the Revised Academic Content Standards and Model Curriculum for Science, High School Chemistry.
Chemistry Honors
Advanced high school level course that satisfies Ohio Core science graduation requirements as required by section 3313.603 of the Ohio Revised Code, which requires inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information. Course includes content found in the Revised Academic Content Standards and Model Curriculum for Science, High School Chemistry.
English 10
English Language Arts Instruction addresses the content and skills of Ohio's Academic Content Standards for English Language Arts. Students will read a variety of texts for different purposes, utilize the writing process, write for different purposes and different audiences, research self-selected or assigned topics, use an appropriate form to communicate their findings and continue to use effective communication techniques.
English 10 Honors
English Language Arts Instruction addresses the content and skills of Ohio's Academic Content Standards for English Language Arts. Students will read a variety of texts for different purposes, utilize the writing process, write for different purposes and different audiences, research self-selected or assigned topics, use an appropriate form to communicate their findings and continue to use effective communication techniques.
English 9
English Language Arts Instruction addresses the content and skills of Ohio's Academic Content Standards for English Language Arts. Students will read a variety of texts for different purposes, utilize the writing process, write for different purposes and different audiences, research self-selected or assigned topics, use an appropriate form to communicate their findings and continue to use effective communication techniques.
English 9 Honors
English Language Arts Instruction addresses the content and skills of Ohio's Academic Content Standards for English Language Arts. Students will read a variety of texts for different purposes, utilize the writing process, write for different purposes and different audiences, research self-selected or assigned topics, use an appropriate form to communicate their findings and continue to use effective communication techniques.
Geometry
The second course in a four-year sequence that addresses the high school portion of the New Learning Standards for Mathematics. Description of the content appropriate for this course is identified in the Traditional Pathway of Appendix A and/or the Model Content Framework.
Geometry Honors
The second course in a four-year sequence that addresses the high school portion of the New Learning Standards for Mathematics. Description of the content appropriate for this course is identified in the Traditional Pathway of Appendix A and/or the Model Content Framework.



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Health
Educational activities that promote understanding, attitudes, and practices consistent with individual, family, and community health needs and healthy lifestyles.
Integrated Math 9
The first course in a four-year sequence that addresses the high school portion of the New Learning Standards for Mathematics. Description of the content appropriate for this course is identified in the Integrated Pathway of Appendix A and/or the Model Content Framework.
Integrated Math 10
The second course in a four-year sequence that addresses the high school portion of the New Learning Standards for Mathematics. Description of the content appropriate for this course is identified in the Integrated Pathway of Appendix A and/or the Model Content Framework.
Integrated Reading 9
Integrated Language Arts Instruction addresses the content and skills of Ohio's Academic Content Standards for English Language Arts. Instruction should be based on the benchmarks for grades 8-10 and grade level indicators for grade nine. Students will read a variety of texts for different purposes, utilize the writing process, write for different purposes and different audiences, research self-selected or assigned topics, use an appropriate form to communicate their findings and continue to use effective communication techniques.
Integrated Reading 10
Integrated Language Arts Instruction addresses the content and skills of Ohio's Academic Content Standards for English Language Arts. Instruction should be based on the benchmarks for grades 8-10 and grade level indicators for grade ten. Students will read a variety of texts for different purposes, utilize the writing process, write for different purposes and different audiences, research self-selected or assigned topics, use an appropriate form to communicate their findings and continue to use effective communication techniques.
Physical Education
A comprehensive subject area which incorporates fundamental motor skills, body control and balance, physical fitness, leisure sports and games skills, cognitive skills, as well as stress management skills.
Physical Science
High school level course that satisfies Ohio's science graduation requirements as required by section 3313.603 of the Ohio Revised Code, which requires inquiry-based laboratory experiences that engage students in asking valid scientific questions and gathering and analyzing information. Content from this course contributes to the Ohio Graduation Test. Course includes content found in Ohio's New Learning Standards and Model Curriculum for Science, High School Physical Science.
Spanish I (Online)
The study of the language and culture of the Spanish-speaking world leading to the ability to communicate in a range of situations and glean meaning from a variety of texts.
Spanish II (Online)
The study of the language and culture of the Spanish-speaking world leading to the ability to communicate in a range of situations and glean meaning from a variety of texts.



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World History
A high school course centered around the history of the world. This course starts by teaching students how to think like a historian and use primary and secondary sources. From there, students learn The Age of Exploration to the Cold War. While studying, students are empowered to connect history to modern technology and social issues.
World History Honors
A high school course centered around the history of the world. This course starts by teaching students how to think like a historian and use primary and secondary sources. From there, students learn The Age of Exploration to the Cold War. While studying, students are empowered to connect history to modern technology and social issues.
Youngstown State University - CCP Offerings
American Literature and Diversity, Communication Foundations, General Psychology, Introduction to Sociology, Writing 1, and Writing 2.