

Advanced Middle Years Programme Algebra 1

International Baccalaureate Middle Years Programme (MYP) math courses promote both inquiry and application, helping students to develop problem-solving techniques that transcend the discipline and are useful in the world outside school. Success in Algebra 1 is widely considered to be a determining factor in success in upper level mathematics coursework. The skills in Advanced Algebra 1 build on algebraic thinking which students have experienced in kindergarten through middle school. Algebra 1 content includes arithmetic concepts, proportional reasoning, and functions. Graphing utilities (calculators, computers, and other technology tools) will be used to assist in teaching and learning. Advanced Algebra 1 provides instruction on all the Algebra 1 Standards and the following content from Algebra 2: absolute value equations and inequalities, simplifying and performing operations on radical expressions that include variables, and polynomial expressions with two variables. Students in this course will complete the Algebra 1 Standards of Learning test and are expected to continue their mathematics studies with Advanced Geometry.

Credits 1

Grades

9

Course Designation

International Baccalaureate (IB),

Weighted (0.5W)

Schools

Gar-Field High School

Unity Reed High School

Prerequisites

8th grade Pre-Algebra