

Advanced Middle Years Programme Algebra 2 - Extended

Advanced Middle Years Programme (Adv-MYP) Algebra 2 Extended is an accelerated course that integrates select Pre-Calculus concepts. Students are expected to master algebraic mechanics and understand the underlying theory and apply the concepts to real-world situations. Examples of extended topics include graphing, solving equation, and solving practical problems with exponential, logarithmic, and rational functions, composition and inverse functions application to practical situations, conic sections, and sum of finite convergent series. The study of the trigonometric circular functions will continue from Adv-MYP Geometry and prepare students for further study of this topic. This course has an associated Standards of Learning (SOL) test. Students will participate in these tests only when they have not yet earned sufficient credit for graduation and/or satisfied federal testing requirements. Algebra 2 is required for the Advanced Studies Diploma. This course replaces Adv-MYP Algebra 2-Trigonometry (2020-21 and earlier).

Credits 1

Grades

10, 11

Course Designation

Weighted (0.5W),

International Baccalaureate (IB)

Schools

Gar-Field High School

Unity Reed High School

Requirements

Teacher recommendation

Prerequisites

[Advanced Middle Years Programme Geometry](#)