

Advanced Algebra: Concepts and Connections
2024-2025 Academic Year
Mrs. Aldred
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Advanced Algebra: Concepts & Connections is the culminating course in a sequence of three high school courses designed to ensure career and college readiness. It is designed to prepare students for fourth course options relevant to their career pursuits. High school course content standards are listed by big ideas including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometry Patterning and Spatial Reasoning.

This course is designed as the third course in a three-course series. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity,

Major Assessments (Tests, Projects)	40%
Minor Assessments (Quizzes, classwork)	60%
End of each semester – cumulative exam	10%, with semester average 90%

Homework is not required but is to develop the skills to demonstrate mastery of the standards. Homework will be tracked. If homework is not completed regularly, parent contact will be made.

- There will be a minimum of 2 per 6-week progress report
- Unit tests, module tests, and tasks/projects, some quizzes with multiple standards covered

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