



GJSD Course Syllabus - Math 9

Course Description -

The objective of this course is to provide students with the fundamental skills of Algebra that will enable them to be successful in higher level mathematics courses. They will be practicing basic foundational skills such as powers and roots, integer and fraction operations, order of operations, evaluating expressions and solving linear equations. The students will also be exposed to the coordinate plane, function notation, graphing functions, and writing basic functions. These skills all should be mastered to be successful in Keystone Algebra 1. Students will be instructed through classroom lecture and modeling. Opportunities for individual practice and cumulative review of concepts will be provided daily. Students will be expected to participate in class, follow classroom rules, and complete required assignments to review and reinforce the concepts presented. Students will be assessed by assignment completion as well as quizzes, tests, and a final exam.

Course Units

Concepts Review Unit

Unit 1 – Tools of Algebra/ Intro to Algebraic Concepts

Unit 2 – Functions

Unit 3 (3A) – Basic Linear Equations

Unit 4 (3B) - Multi-Step Equations

Unit 5 (4A) – Advanced Equations

Unit 6 (4B) – Advanced Equations II

Types of Assignments -

- **Formative** - Continuous teacher observation based on a student's class work and/or participation; Students are expected to participate in class work, both in school and virtual environments.
- **Summative** - Quizzes; Exams; A final is given at the conclusion of the course.
- **Daily** - Student's participation; Student's ability to practice problems; Students are on task/focused; Students display appropriate behavior.

Guidelines for Term Grading- Students grades will be calculated based on total points in each weighted category: *Classwork* - 35%, *Quiz* - 15%, *Test* - 50%.

Resources -

- Get More Math online program- <https://getmoremath.com/>
- Useful websites for reference - <https://www.khanacademy.org/math>
<https://www.desmos.com/scientific>

Guidelines for Course Grade Weighting

Year Courses

Term	Percentage
Each Quarter (1, 2, 3, 4)	$20\% * 4 = 80\%$
Final	20%

Class Attendance / Late to Class

GJSD supports the concept that ***consistent and timely attendance*** is vital to success in any class. Please review the procedures enforced at GJSD within the Discipline Policy regarding absences and lates to class.