

# Foundations of Mathematics

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Office Hours 4th Period Planning

## Description:

Foundations of mathematics provides students a survey of preparatory topics for high school mathematics, including the foundations for high school algebra and geometry. Appropriate technology, from manipulatives to calculators, should be used regularly for instruction and assessment.

## Goals:

Student will learn how to make sense of problems and persevere in solving them.

Students will be able to create and critique mathematical arguments.

Students will model real world situations using mathematics.

## Requirements:

Students are expected to be highly self-motivated.

Students are expected to complete all assignments and to be proactive in the case of an absence in obtaining missed work.

## Resources:

Shmoop: [www.shmoop.com](http://www.shmoop.com)

Khan Academy: [www.khanacademy.org](http://www.khanacademy.org)

PatrickJMT: <http://patrickjmt.com/>

Discovery Education: [www.discoveryeducation.com](http://www.discoveryeducation.com)

## Evaluation:

- Google Classroom will be used as a site with resources and a site to turn in assignments. Check frequently for deadlines.
- All tests will be cumulative and generally given at the end of each unit. Tests will typically be given on PowerSchool (on the chromebooks)
- Quizzes of varying length will be given throughout the course and may be announced or unannounced.
- Students will also be expected to complete daily work both individually and in a group setting. Homework and classwork will be graded as deemed appropriate the teacher. Homework and classwork are essential to ensuring mastery and developing a solid understanding of the material therefore even if the assignment is not graded it is critical that the student completes it.
- It is essential that students communicate their thought process by showing ALL NECESSARY WORK. The correct answer is NOT enough for the teacher to ensure mastery of the content.
- Attempts should be made for every question of every assignment. Partial credit will be given where possible. However, if explanations/work are not offered, you will not receive full credit for the problem.

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Parent/Guardian Signature

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Student Signature