



7th Grade Accelerated Math

Ms. Sherman

Room 432

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Course Description

The 7th grade Accelerated math course is aligned with the New Jersey State Student Learning Standards. This course emphasizes problem solving, reasoning, communication, connections, representations, and technology from an in-depth perspective. We are using the revised *Ready Classroom* program in which students will be challenged to build on their previous mathematical knowledge, learn and explore different approaches to solving problems, and strengthen their critical thinking and complex reasoning skills. We focus on the major content standards along with standards that are supporting and/or additional content.

Key concepts:

- ❖ Operations with Integers, Rational Numbers, Powers and Roots
- ❖ Ratios and Proportions
- ❖ Applying percents
- ❖ Solving Equations, including multi-step and systems of equations
- ❖ Solving Inequalities
- ❖ Understanding Functions
- ❖ Two- and Three- Dimensional Geometry
- ❖ Transformations
- ❖ Data Analysis and Statistics
- ❖ Real world problem solving applications

Within the *Ready Classroom*, we will be using *i-Ready*, an online program that will help us determine your child's needs, personalize his or her learning, and monitor progress throughout the year.

Textbook

- ❖ *Ready Classroom Mathematics*
- ❖ *Clever (login with school google sign on), this includes the Ready Classroom online textbook, i-ready, and other resources*

Materials: *Students should come prepared daily with:*

- ❖ Textbooks
- ❖ Chrome books (charged daily)
- ❖ Pencils (only)
- ❖ Erasers
- ❖ Highlighter
- ❖ 5- Subject Notebook or binder with paper (used for math only)
- ❖ Calculator (scientific recommended)
- ❖ Folder

Class Rules: *Be prompt, Be prepared, Be respectful... Be ready to learn!*

Coursework:

Students will participate in various activities during the year:

- ❖ Google Classroom: Assignments will be posted using Google classroom. It is the students' responsibility to check for assignments and submit their work timely. Most assignments will be submitted using google classroom
- ❖ Participation: All students are expected to participate in class. This includes individually, partnered activities, and group work (when we are able to collaborate in groups).
- ❖ Notes: Note are taken on most days; notebooks and pencils are required daily.
- ❖ Classwork: Classwork is completed on most days; if classwork is not completed in class it will be finished as homework due the following day.
- ❖ Homework: Homework will be assigned frequently and due the following day; All assignments will be posted on google classroom
- ❖ Assessments: There will be both tests, projects, and quizzes that will be announced and also posted on google classroom
- ❖ Group projects: There may be group projects. Most of the work will be completed in class. (When we are able to collaborate in groups).

Grading: Each assignment completed in class counts. Classwork, homework, and quizzes (formative assessments) have lower point values as compared to lesson tests and projects (summative assessments). All grades will be updated in Genesis when available.

The Middle School Grading Policy is as follows:

- ❖ 55% Summative (assessments, projects)
- ❖ 45% Formative (classwork, homework, quizzes, Google classroom assignments)...