

Syllabus 2025-2026
6th Grade American Math

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Course Description

In 6th grade American Math, students will build competency with fractions, decimals, and integers while exploring ratios, rates, and percentages in problem solving. They will work with expressions and equations, study geometry, including area, volume, and the coordinate plane, and strengthen their understanding of statistics and data. The course emphasizes problem-solving, reasoning, and real-world applications to prepare students for success on the Florida FAST assessment and future math courses.

Chapters of Study

Chapter 1: Powers, Exponents, and Properties

- Powers and exponents
- Order of operations
- Properties of operations

Chapter 2: Integers, Fractions, and Decimals

- Adding, subtracting, multiplying, and dividing integers
- Operations with fractions
- Operations with decimals

Chapter 3: Ratios, Rates, and Percents

- Understanding ratios and rates
- Solving proportion problems
- Applying percents to real-world situations



Chapter 4: Expressions, Equations, and Inequalities

- Writing and evaluating expressions
- Solving one-step and multi-step equations
- Working with inequalities

Chapter 5: Geometry

- Area and surface area of 2D figures
- Volume of 3D figures
- Plotting points and shapes on the coordinate plane

Chapter 6: Statistics and Probability

- Collecting, displaying, and interpreting data
- Mean, median, mode, and range
- Introduction to probability and simple experiments

Classroom Supplies

- Notebook, folder with paper, pen or pencil
- Access to Archie, Gradebook, and email address

Resources

- Archie: Homework
- Archie: Resources
 - Big ideas math book
- Dade Schools Gradebook
- Email

Communication

- **Archie (sis.archimedean.org):** Homework, resources, and textbook access. Students must have a username and password. Contact the school office if you need assistance.

- **Weekly Agenda on Archie:** I will post the weekly agenda in the Homework section every **Monday morning**. Students and parents will be able to see the class agenda, homework assignments (with due dates), and quiz/test dates. This gives everyone enough time to plan homework and prepare for assessments.
- **Email:** Students and parents may email me with questions or concerns. My email address is at the top of this syllabus and on Archie.
- **Gradebook:** Students must have a username and password to access grades. It is important to check grades regularly. Contact the school office if you need help.

Student Expectations

- Keep class notes neat and organized in your folder.
- Show all steps on homework, quizzes, and tests. Answers without steps will lose 50%.
- Turn in assignments on time.
- Study for quizzes and tests.
- Be respectful to teachers and classmates.
- **No iPads, phones, or smartwatches in class.**

Participation Grade

Participation includes raising your hand to contribute, staying on task, following directions, and avoiding distractions. **Participation counts for 20% of the grade**, usually calculated on a weekly basis.

Class Routine

Students begin class with their notebook and pencil ready on the desk. Each lesson opens with four review questions to reinforce prior learning, followed by a class discussion of the solutions.

Instruction is guided by a weekly study plan and includes direct teaching, worked examples, and practice problems. Students complete three practice questions independently and then review them together with the class to check understanding.