



4th Grade Advanced Math Syllabus

2023-2024

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Room Number: 1205

Course Overview

Welcome to math class! 4th grade advanced math builds on knowledge gained in previous grades and focuses on deepening place value understanding using decimals and exponents. Students will advance their multiplication and division fluency to both fractions, decimals, and multi-digit whole numbers. As they expand their knowledge of numbers and computation, they will also apply that to algebra and operations. Students will continue to learn more about measurement, data, and geometry and how to apply those concepts in the real world. Scholars may jump around in the math textbook to focus on foundational concepts and skills needed to be successful.

Behavior Expectations

As scholars join the advanced math team, their ability to meet and exceed expectations for behavior becomes increasingly important. I utilize positive consequences (including awards, prizes, no homework passes, positive calls home, etc) when earned, and negative consequences (including stamps, reflection time, and parent contact) when necessary. I look forward to working with students and parents to ensure that all students behave in a manner that is honoring the Lord and respectful of our class community.

There are three simple expectations for my class:

- RESPECT. Respect God, yourself, your classmates, time, materials, the school, and me.
- RESPONSIBILITY. Come prepared to class with all materials, multiple sharpened pencils, and all homework completed. Know that you are responsible and accountable for your learning (I will help you along the way!).
- READINESS. Success requires hard work. Do your best on assignments, stay positive and focused on your goals, participate, and ask questions.

*As always, all rules, procedures, and expectations of the school are always enforced in my classroom.

Year-at-a-Glance

The school year will be divided into 16 units:

- Unit 1: Place Value
- Unit 2: Add and Subtract Decimals to Hundredths
- Unit 3: Fluently Multiply Multi-Digit Whole Numbers
- Unit 4: Use Models and Strategies to Multiply Decimals
- Unit 5: Use Models and Strategies to Divide Whole Numbers
- Unit 6: Use Models and Strategies to Divide Decimals
- Unit 7: Use Equivalent Fractions to Add and Subtract Fractions
- Unit 8: Apply Understanding of Multiplication to Multiply Fractions

- Unit 9: Apply Understanding of Division to Divide Fractions
- Unit 10: Understand Volume Concepts
- Unit 11: Convert Measurements
- Unit 12: Represent and Interpret Data
- Unit 13: Algebra: Write and Interpret Numerical Expressions
- Unit 14: Graph Points on the Coordinate Plane
- Unit 15: Algebra: Analyze Patterns and Relationships
- Unit 16: Geometry: Classify Two-Dimensional Figures

Grading

Students' grades will be determined by performance in three weighted categories:

Homework/Classwork	30%
Fact Fluency Quizzes	20%
Tests/ Projects	50%

Students will take quizzes, will take a Unit Exam at the end of each unit of study covering the topics learned within the unit, and will also complete unit projects when applicable. Scholars are expected to master content with a score of 88% or higher on every assessment to stay in Advanced Math.

Assessment Corrections

Students earning less than 70% on a quiz or unit test will be allowed to retest. They will have one week from the time quizzes and tests are returned to schedule the test. Students are responsible for contacting the teacher to find a date and time for the test.

Late Work

Homework and class work: Late work is marked down 10% for one day late, 50% the second day, and is not accepted after that.

Absences and/or Make-up Procedures

When a scholar is absent, all missed work must be completed. It is the scholar's responsibility to consult with each of his or her teachers to make sure he or she is aware of all assignments. The time generally allowed to complete this work without a penalty will be the number of days the scholar was absent. For example, if a scholar was absent for one day, then he or she will have one day to make up any missed work. Upon return from an absence, the scholar must take the initiative to collect any missing assignments for unplanned absences such as illness. For planned absences, please make sure to fill out the absence request form from the office and send an email to give a heads-up the form is coming at least a week in advance. **All work must be completed before any planned absence to stay in Advanced Math.**

Supplies

Scholars are expected to come to class prepared each day. Pencils will be the only writing utensil allowed.

Help Sessions

Help sessions will be available for 4th and 5th grade advanced math on Wednesday mornings at 7:35 am in Room 1205.

Contact Information

Emails are my preferred mode of communication. Please find my contact information below the heading of this syllabus.

Parent Syllabus Acknowledgement Form

I acknowledge that I've read and understand the 4th Grade Advanced Math Syllabus.

Student Signature: _____ Date: _____

Parent Signature: _____ Date: _____

Must be returned by 8/25 to Mrs. Pun.

Thank You!