

The Course Organizer
Lindsay Engberg
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This Course: Algebra

Is about...

Developing an understanding of using various math strategies to find results.

Course Questions:

1. What formulas can we use to find area of various shapes?
2. How can geometric formulas be used to help us?
3. What is an integer?
4. How can we identify prime and composite numbers?
5. Explain how a power can be used?
6. In what situations may we want to factor a number?
7. Explain the various types of graphs that can be used to show information and create examples of each.
8. Explain the terms: mean, median, mode, and range.
9. List and explain the difference between various shapes.

Course Standards:

Content:

- Time tests
- Math Busters
- Daily Assignments
- Star Math Tests
- Fastt Math
- Weekly Quiz
- Chapter Tests
- Chapter Reviews

Process:

- Participating
- Following Rules

Course Map
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This Course: Algebra

Includes

Community Principles

- Respect
- Responsibility
- Cooperation
- Best Effort
- Self Control
- Stewardship

Learning Rituals

- Daily Assignments
- Daily Time Tests
- Group Work
- Individual Projects

Performance Options

- Project choice
- Flash cards
- Task completion checklist
- Oral test

Critical Concepts:

Integers Numbers Percentages Prime
Order of operations Median Mean
Graphs Angles Rational
Powers Units Formulas

Learned in these units:

Arithmetic

Basic Geometry

Number Theory

Order of Operations

Algebraic Expressions

Ratios, Proportions, and Percents

Polynomials

Exponents, Square Roots, and Pythagorean Theorem

Data, Stats, and Probability

Graphing

Trinomials