

Middle School Math Three-Year Schedule

Our middle school math program (Age 10–12 and Age 11–13) is designed for students that wish to cover the three years of middle school math in two years and begin Algebra in the 8th grade. Families that prefer a traditional schedule can use this three-year schedule to begin Algebra in the 9th grade.

- **6th grade:** Complete most of the Age 10–12 level
- **7th grade:** Finish Age 10–12 and begin Age 11–13
- **8th grade:** Complete the Age 11–13 level

This three-year progression covers all middle school math standards outlined in the Common Core. However, the three-year progression does not strictly align to grade-by-grade standards. Instead, concepts are distributed across levels to support deeper understanding and reduce repetition.

For students who want to begin Algebra in 8th grade, our standard schedule offers an accelerated path that covers all 6th, 7th, and 8th grade standards in two years instead of three.

Students on either path build strong problem-solving skills and a solid mathematical foundation, preparing them for success in Algebra and beyond.

6th Grade

Unit 1: Operations

Week 1

Date: _____

- Lesson 1: Addition and Subtraction Review
Day 1

- Lesson 1: Addition and Subtraction Review
Day 2

- Lesson 2: Multiplication Review
Day 1

Week 2

Date: _____

- Lesson 2: Multiplication Review
Day 2

- Lesson 2: Multiplication Review
Day 3

- Lesson 3: Division Review
Day 1

Week 3

Date: _____

- Lesson 3: Division Review
Day 2

- Lesson 3: Division Review
Day 3

- Lesson 4: Exponents and Order of
Operations
Day 1

Week 4

Date: _____

- Lesson 4: Exponents and Order of
Operations
Day 2

- Lesson 4: Exponents and Order of
Operations
Day 3

- Lesson 5: Factors and Prime Factorization
Day 1

- Lesson 5: Factors and Prime Factorization
Day 2

Week 5

Date: _____

- Lesson 6: Greatest Common Factor
Day 1

- Lesson 6: Greatest Common Factor
Day 2

- Lesson 7: Least Common Multiple
Day 1

Week 6

Date: _____

- Lesson 7: Least Common Multiple
Day 2

- Lesson 8: Unit 1 Test
Day 1

- Lesson 8: Unit 1 Test
Day 2

Week 7**Date:** _____

- Final Project: Planning a Party
Day 1

- Final Project: Planning a Party
Day 2

Week 10**Date:** _____

- Lesson 4: Negative Numbers and Integers
Day 2

- Lesson 5: Absolute Value and Inequalities
Day 1

- Lesson 5: Absolute Value and Inequalities
Day 2

Unit 2: Integers and Rational Numbers**Week 7 (continued)****Date:** _____

- Lesson 1: Fraction Addition and Subtraction
Day 1

Week 11**Date:** _____

- Lesson 6: The Coordinate Plane
Day 1

- Lesson 6: The Coordinate Plane
Day 2

- Lesson 6: The Coordinate Plane
Day 3

Week 8**Date:** _____

- Lesson 1: Fraction Addition and Subtraction
Day 2

- Lesson 1: Fraction Addition and Subtraction
Day 3

- Lesson 2: Fraction Multiplication
Day 1

- Lesson 2: Fraction Multiplication
Day 2

Week 12**Date:** _____

- Lesson 7: Coordinate Problem Solving
Day 1

- Lesson 7: Coordinate Problem Solving
Day 2

- Lesson 8: Unit 2 Test
Day 1

- Lesson 8: Unit 2 Test
Day 2

Week 9**Date:** _____

- Lesson 3: Fraction Division
Day 1

- Lesson 3: Fraction Division
Day 2

- Lesson 4: Negative Numbers and Integers
Day 1

Week 13**Date:** _____

- Final Project: Coordinate Game
Day 1

- Final Project: Coordinate Game
Day 2

Unit 3: Ratios and Percentages

Week 13 (continued)

Date: _____

- Lesson 1: Introduction to Ratios

Week 14

Date: _____

- Lesson 2: Describing Ratios in Words and Pictures
- Lesson 3: Equivalent Ratios
Day 1
- Lesson 3: Equivalent Ratios
Day 2

Week 15

Date: _____

- Lesson 3: Equivalent Ratios
Day 3
- Lesson 4: Unit Rates
Day 1
- Lesson 4: Unit Rates
Day 2

Week 16

Date: _____

- Lesson 5: Percentages
Day 1
- Lesson 5: Percentages
Day 2
- Lesson 6: Percentage Problems
- Lesson 7: Unit Conversions

Week 17

Date: _____

- Lesson 8: Unit 3 Test
Day 1
- Lesson 8: Unit 3 Test
Day 2
- Final Project: What's the Best Buy?
Day 1

Week 18

Date: _____

- Final Project: What's the Best Buy?
Day 2
- Final Project: What's the Best Buy?
Day 3

Unit 4: Algebraic Expressions

Week 18 (continued)

Date: _____

- Lesson 1: Introduction to Algebra
Day 1

Week 19

Date: _____

- Lesson 1: Introduction to Algebra
Day 2
- Lesson 2: Parts of an Expression
Day 1
- Lesson 2: Parts of an Expression
Day 2

Week 20**Date:** _____

- Lesson 3: Working With Expressions
Day 1

- Lesson 3: Working With Expressions
Day 2

- Lesson 4: Positive and Negative Numbers
Day 1

- Lesson 4: Positive and Negative Numbers
Day 2

Week 21**Date:** _____

- Lesson 4: Positive and Negative Numbers
Day 3

- Lesson 5: Equivalent Expressions
Day 1

- Lesson 5: Equivalent Expressions
Day 2

Week 22**Date:** _____

- Lesson 5: Equivalent Expressions
Day 3

- Lesson 6: The Distributive Property
Day 1

- Lesson 6: The Distributive Property
Day 2

Week 23**Date:** _____

- Lesson 7: Unit 4 Test
Day 1

- Lesson 7: Unit 4 Test
Day 2

- Final Project: Algebra Think-Tac-Toe
Day 1

Week 24**Date:** _____

- Final Project: Algebra Think-Tac-Toe
Day 2

- Final Project: Algebra Think-Tac-Toe
Day 3

Unit 5: Algebraic Equations**Week 24 (continued)****Date:** _____

- Lesson 1: Algebraic Equations
Day 1

- Lesson 1: Algebraic Equations
Day 2

Week 25**Date:** _____

- Lesson 2: Solving One-Step Equations, Part 1
Day 1

- Lesson 2: Solving One-Step Equations, Part 1
Day 2

- Lesson 2: Solving One-Step Equations, Part 1
Day 3

Week 26**Date:** _____

- Lesson 3: Solving One-Step Equations, Part 2
Day 1
- Lesson 3: Solving One-Step Equations, Part 2
Day 2
- Lesson 4: Solving Two-Step Equations
Day 1

Week 29**Date:** _____

- Lesson 8: Unit 5 Test
Day 1
- Lesson 8: Unit 5 Test
Day 2
- Final Project: All About Me
Day 1

Week 27**Date:** _____

- Lesson 4: Solving Two-Step Equations
Day 2
- Lesson 4: Solving Two-Step Equations
Day 3
- Lesson 5: Inequalities

Week 30**Date:** _____

- Final Project: All About Me
Day 2
- Final Project: All About Me
Day 3

Week 28**Date:** _____

- Lesson 6: Solving Inequalities
- Lesson 7: Independent and Dependent Variables
Day 1
- Lesson 7: Independent and Dependent Variables
Day 2
- Lesson 7: Independent and Dependent Variables
Day 3

Week 30 (continued)**Date:** _____

- Lesson 1: Lines and Angles
Day 1

Week 31**Date:** _____

- Lesson 1: Lines and Angles
Day 2
- Lesson 2: Working With Angles
Day 1
- Lesson 2: Working With Angles
Day 2

Unit 6: 2D Geometry

Week 32**Date:** _____

- Lesson 3: Triangles
Day 1

- Lesson 3: Triangles
Day 2

- Lesson 3: Triangles
Day 3

- Lesson 4: Area
Day 1

Week 33**Date:** _____

- Lesson 4: Area
Day 2

- Lesson 4: Area
Day 3

- Lesson 5: Circles
Day 1

Week 34**Date:** _____

- Lesson 5: Circles
Day 2

- Lesson 5: Circles
Day 3

- Lesson 6: Scale Drawings
Day 1

Week 35**Date:** _____

- Lesson 6: Scale Drawings
Day 2

- Lesson 6: Scale Drawings
Day 3

- Lesson 7: Unit 6 Test
Day 1

Week 36**Date:** _____

- Lesson 7: Unit 6 Test
Day 2

- Final Project: Geometry Stations
Day 1

- Final Project: Geometry Stations
Day 2

- Final Project: Geometry Stations
Day 3

7th Grade

Unit 7: 3D Geometry

Week 1

Date: _____

- Lesson 1: Three-Dimensional Solids
Day 1

- Lesson 1: Three-Dimensional Solids
Day 2

Week 2

Date: _____

- Lesson 2: Surface Area
Day 1

- Lesson 2: Surface Area
Day 2

- Lesson 3: Volume
Day 1

Week 3

Date: _____

- Lesson 3: Volume
Day 2

- Lesson 4: Slices and Cross Sections
Day 1

- Lesson 4: Slices and Cross Sections
Day 2

Week 4

Date: _____

- Lesson 5: Problem Solving With Solids
Day 1

- Lesson 5: Problem Solving With Solids
Day 2

- Lesson 6: Unit 7 Test
Day 1

Week 5

Date: _____

- Lesson 6: Unit 7 Test
Day 2

- Final Project: Building With Solids
Day 1

- Final Project: Building With Solids
Day 2

Week 6

Date: _____

- Final Project: Building With Solids
Day 3

Unit 8: Statistics

Week 6 (continued)

Date: _____

- Lesson 1: Data and Statistical Questions

- Lesson 2: Populations and Samples
Day 1

Week 7**Date:** _____

- Lesson 2: Populations and Samples
Day 2
- Lesson 3: Frequency Tables and Dot Plots
- Lesson 4: Stem-and-Leaf Plots

Week 8**Date:** _____

- Lesson 5: Histograms
Day 1
- Lesson 5: Histograms
Day 2
- Lesson 6: Measures of Center
Day 1

Week 9**Date:** _____

- Lesson 6: Measures of Center
Day 2
- Lesson 7: Measures of Variability
Day 1
- Lesson 7: Measures of Variability
Day 2

Week 10**Date:** _____

- Lesson 8: Making Inferences
Day 1
- Lesson 8: Making Inferences
Day 2
- Lesson 9: Comparing Populations

Week 11**Date:** _____

- Lesson 10: Unit 8 Test
Day 1
- Lesson 10: Unit 8 Test
Day 2
- Final Project: Statistical Study
Day 1

Week 12**Date:** _____

- Final Project: Statistical Study
Day 2
- Final Project: Statistical Study
Day 3

Unit 9: Skills Review**Week 12 (continued)****Date:** _____

- Lesson 1: Decimals, Factors, and Multiples

Week 13**Date:** _____

- Lesson 2: Fractions, Ratios, and Coordinates
- Lesson 3: Expressions, Equations, and Percentages
- Lesson 4: Geometry

Unit 1: Numbers

Week 14

Date: _____

- Lesson 1: Positive and Negative Rational Numbers
Day 1

- Lesson 1: Positive and Negative Rational Numbers
Day 2

- Lesson 1: Positive and Negative Rational Numbers
Day 3

Week 15

Date: _____

- Lesson 2: Fractions and Decimals
Day 1

- Lesson 2: Fractions and Decimals
Day 2

- Lesson 2: Fractions and Decimals
Day 3

Week 16

Date: _____

- Lesson 3: Properties of Exponents
Day 1

- Lesson 3: Properties of Exponents
Day 2

- Lesson 3: Properties of Exponents
Day 3

Week 17

Date: _____

- Lesson 4: Square and Cube Roots
Day 1

- Lesson 4: Square and Cube Roots
Day 2

- Lesson 5: Irrational Numbers
Day 1

Week 18

Date: _____

- Lesson 5: Irrational Numbers
Day 2

- Lesson 5: Irrational Numbers
Day 3

- Lesson 6: Scientific Notation
Day 1

Week 19

Date: _____

- Lesson 6: Scientific Notation
Day 2

- Lesson 6: Scientific Notation
Day 3

Week 20

Date: _____

- Lesson 7: Arctic Marine Research

- Lesson 8: Unit 1 Test

- Final Project: Mars Station Test Mission
Day 1

Week 21

Date: _____

- Final Project: Mars Station Test Mission
Day 2

Unit 2: Proportions

Week 21 (continued)

Date: _____

- Lesson 1: Proportional Relationships
Day 1

- Lesson 1: Proportional Relationships
Day 2

Week 22

Date: _____

- Lesson 2: Unit Rates
Day 1

- Lesson 2: Unit Rates
Day 2

- Lesson 2: Unit Rates
Day 3

Week 23

Date: _____

- Lesson 3: Constant Rate
Day 1

- Lesson 3: Constant Rate
Day 2

- Lesson 3: Constant Rate
Day 3

Week 24

Date: _____

- Lesson 3: Constant Rate
Day 4

- Lesson 4: Graphing Proportions
Day 1

- Lesson 4: Graphing Proportions
Day 2

Week 25

Date: _____

- Lesson 4: Graphing Proportions
Day 3

- Lesson 4: Graphing Proportions
Day 4

- Lesson 5: Proportional Relationship
Equations
Day 1

Week 26

Date: _____

- Lesson 5: Proportional Relationship
Equations
Day 2

- Lesson 6: Taxes, Tips, and Commissions
Day 1

- Lesson 6: Taxes, Tips, and Commissions
Day 2

Week 27

Date: _____

- Lesson 7: Markups and Discounts
Day 1

- Lesson 7: Markups and Discounts
Day 2

- Lesson 8: Simple Interest and Percent Error

Week 28

Date: _____

- Lesson 9: Unit 2 Test
Day 1

- Lesson 9: Unit 2 Test
Day 2

- Final Project: Lemonade Stand
Day 1

Week 29**Date:** _____

- Final Project: Lemonade Stand
Day 2
- Final Project: Lemonade Stand
Day 3

Unit 3: Expressions**Week 29 (continued)****Date:** _____

- Lesson 1: Equivalent Expressions
Day 1

Week 30**Date:** _____

- Lesson 1: Equivalent Expressions
Day 2
- Lesson 2: Rewriting Expressions
Day 1
- Lesson 2: Rewriting Expressions
Day 2

Week 31**Date:** _____

- Lesson 3: Algebraic Expressions
Day 1
- Lesson 3: Algebraic Expressions
Day 2
- Lesson 3: Algebraic Expressions
Day 3

Week 32**Date:** _____

- Lesson 4: Graphing Proportions
Day 1
- Lesson 4: Graphing Proportions
Day 2
- Lesson 5: More Graphing Proportions
Day 1

Week 33**Date:** _____

- Lesson 5: More Graphing Proportions
Day 2
- Lesson 5: More Graphing Proportions
Day 3
- Lesson 6: Intercepts

Week 34**Date:** _____

- Lesson 7: Rise Over Run
- Lesson 8: $y = mx + b$
Day 1
- Lesson 8: $y = mx + b$
Day 2

Week 35**Date:** _____

- Lesson 8: $y = mx + b$
Day 3
- Lesson 8: $y = mx + b$
Day 4
- Lesson 9: Unit 3 Test
Day 1

Week 36**Date:** _____ Lesson 9: Unit 3 Test
Day 2 Final Project: Planes, Trains, and
Automobiles
Day 1 Final Project: Planes, Trains, and
Automobiles
Day 2

8th Grade

Unit 4: Probability

Week 1

Date: _____

- Lesson 1: What Is Probability?
Day 1

- Lesson 1: What Is Probability?
Day 2

Week 2

Date: _____

- Lesson 2: Observing Probability

- Lesson 3: Probability Models
Day 1

- Lesson 3: Probability Models
Day 2

Week 3

Date: _____

- Lesson 3: Probability Models
Day 3

- Lesson 3: Probability Models
Day 4

- Lesson 4: Compound Events
Day 1

Week 4

Date: _____

- Lesson 4: Compound Events
Day 2

- Lesson 5: Simulations
Day 1

- Lesson 5: Simulations
Day 2

Week 5

Date: _____

- Lesson 6: Unit 4 Test
Day 1

- Lesson 6: Unit 4 Test
Day 2

- Final Project: Happy Tails Dog Shelter
Day 1

Week 6

Date: _____

- Final Project: Happy Tails Dog Shelter
Day 2

Unit 5: Functions

Week 6 (continued)

Date: _____

- Lesson 1: What Is a Function?
Day 1

- Lesson 1: What Is a Function?
Day 2

Week 7**Date:** _____

- Lesson 2: Linear and Nonlinear

- Lesson 3: Understanding Functions

- Lesson 4: Intercepts
Day 1

Week 8**Date:** _____

- Lesson 4: Intercepts
Day 2

- Lesson 5: Slope
Day 1

- Lesson 5: Slope
Day 2

Week 9**Date:** _____

- Lesson 6: Slope-Intercept Form
Day 1

- Lesson 6: Slope-Intercept Form
Day 2

- Lesson 6: Slope-Intercept Form
Day 3

Week 10**Date:** _____

- Lesson 6: Slope-Intercept Form
Day 4

- Lesson 7: Creating Functions

- Lesson 8: Comparing Functions

Week 11**Date:** _____

- Lesson 9: Unit 5 Test
Day 1

- Lesson 9: Unit 5 Test
Day 2

- Lesson 10: Final Project
Day 1

Week 12**Date:** _____

- Lesson 10: Final Project
Day 2

- Lesson 10: Final Project
Day 3

Unit 6: Geometry**Week 12 (continued)****Date:** _____

- Lesson 1: Congruence and Similarity
Day 1

Week 13**Date:** _____

- Lesson 1: Congruence and Similarity
Day 2

- Lesson 2: Translations

- Lesson 3: Reflections
Day 1

Week 14**Date:** _____

- Lesson 3: Reflections
Day 2

- Lesson 3: Reflections
Day 3

- Lesson 4: Rotations

Week 18**Date:** _____

- Lesson 9: Using the Pythagorean Theorem
Day 3

- Lesson 10: Volume
Day 1

- Lesson 10: Volume
Day 2

Week 15**Date:** _____

- Lesson 5: Sequences of Rigid Transformations

- Lesson 6: Dilations
Day 1

- Lesson 6: Dilations
Day 2

Week 19**Date:** _____

- Lesson 11: Unit 6 Test
Day 1

- Lesson 11: Unit 6 Test
Day 2

Week 16**Date:** _____

- Lesson 7: Sequences of Transformations

- Lesson 8: Triangles and Transversals
Day 1

- Lesson 8: Triangles and Transversals
Day 2

Week 20**Date:** _____

- Final Project: Abstract Art Gallery
Day 1

- Final Project: Abstract Art Gallery
Day 2

Unit 7: Linear Equations**Week 17****Date:** _____

- Lesson 8: Triangles and Transversals
Day 3

- Lesson 9: Using the Pythagorean Theorem
Day 1

- Lesson 9: Using the Pythagorean Theorem
Day 2

Week 20 (continued)**Date:** _____

- Lesson 1: Linear Equations With One Variable
Day 1

Week 21**Date:** _____

- Lesson 1: Linear Equations With One Variable
Day 2
- Lesson 2: Multi-Step Equations
Day 1
- Lesson 2: Multi-Step Equations
Day 2

Week 22**Date:** _____

- Lesson 2: Multi-Step Equations
Day 3
- Lesson 3: How Many Solutions?
Day 1
- Lesson 3: How Many Solutions?
Day 2

Week 23**Date:** _____

- Lesson 4: Multi-Step Word Problems
Day 1
- Lesson 4: Multi-Step Word Problems
Day 2
- Lesson 5: Intersection and Graphing
Day 1

Week 24**Date:** _____

- Lesson 5: Intersection and Graphing
Day 2
- Lesson 6: Substitution and Elimination
Day 1
- Lesson 6: Substitution and Elimination
Day 2

Week 25**Date:** _____

- Lesson 6: Substitution and Elimination
Day 3
- Lesson 7: The Point of It All
Day 1
- Lesson 7: The Point of It All
Day 2

Week 26**Date:** _____

- Lesson 8: Linear Algebra In the Wild
- Lesson 9: Unit 7 Test
Day 1
- Lesson 9: Unit 7 Test
Day 2

Week 27**Date:** _____

- Final Project: Getting Ready for College
Day 1
- Final Project: Getting Ready for College
Day 2
- Final Project: Getting Ready for College
Day 3

Week 28**Date:** _____

- Final Project: Getting Ready for College
Day 4

Unit 8: Data

Week 28 (continued)

Date: _____

- Lesson 1: Statistics Review
Day 1

- Lesson 1: Statistics Review
Day 2

Week 29

Date: _____

- Lesson 2: Scatterplots
Day 1

- Lesson 2: Scatterplots
Day 2

- Lesson 2: Scatterplots
Day 3

Week 30

Date: _____

- Lesson 3: Constructing a Scatter Plot
Day 1

- Lesson 3: Constructing a Scatter Plot
Day 2

- Lesson 4: Linear Models

Week 31

Date: _____

- Lesson 5: Categorical Data
Day 1

- Lesson 5: Categorical Data
Day 2

- Lesson 5: Categorical Data
Day 3

Week 32

Date: _____

- Lesson 6: Unit 8 Test
Day 1

- Lesson 6: Unit 8 Test
Day 2

- Final Project: Collecting and Organizing Data
Day 1

Week 33

Date: _____

- Final Project: Collecting and Organizing Data
Day 2

- Final Project: Collecting and Organizing Data
Day 3

Unit 9: Semester Exams

Week 33 (continued)

Date: _____

- Lesson 1: Numbers Review

Week 34

Date: _____

- Lesson 2: Proportions Review

- Lesson 3: Expressions Review

- Lesson 4: Probability Review

Week 35

Date: _____

- Lesson 5: Semester Exam

- Lesson 6: Functions Review

- Lesson 7: Geometry Review

Week 36**Date:** _____ Lesson 8: Linear Equations Review Lesson 9: Data Review Lesson 10: Semester Exam