



Foundational Skills Instruction Math Domain & Skills Schedule

EdOptions Academy

Overview

The domain and skill live lessons occur on a monthly cycle and spiral throughout the year. This will allow students to interact with the lessons multiple times to increase the opportunity for mastery.

MATH - Skills Schedule			
Grade Level			
Monthly	Kindergarten	1 st & 8 th Grades	High School
1 st Week	Counting & Cardinality	Algebra & Expression	Algebra & Expression
2 nd Week	Algebra & Expression	Numbers & Operations	Geometry
3 rd Week	Numbers & Operations	Measurement, Data, & Statistics	Algebra & Expression
4 th Week	Measurement, Data, & Statistics	Geometry	Geometry

Kindergarten Math	
Domain	Skills - lessons are aligned to state standards
Counting & Cardinality	Number Names, Counting, Comparing Numbers
Algebra & Expressions	Addition & Subtraction, Number Composition
Numbers & Operations	Compose & Decompose Numbers
Measurement, Data, & Statistics	Measuring & Classifying Objects

1st Grade Math	
Domain	Skills - lessons are aligned to state standards
Algebra & Expressions	Real-World Problems, Additions/Subtraction Facts & Properties, Number Sentences
Numbers & Operations	Reading & Writing Numbers, Counting Numbers, Place Value, Comparing & Ordering Numbers, Addition/Subtraction Strategies
Measurement, Data, & Statistics	Length, Time, Represent & Interpret Data
Geometry	Shapes



2 nd Grade Math	
Domain	Skills - lessons are aligned to state standards
Algebra & Expressions	Addition & Subtraction Facts, Symbolize Addition & Subtraction, Real-World Problems, Foundations of Multiplication
Numbers & Operations	Place Value, Reading & Writing Numbers, Expanded Notation, Comparing Whole Numbers, Counting Numbers, Properties of Addition & Subtraction, Addition & Subtraction within 1000
Measurement, Data, & Statistics	Measuring Length, Length Problems, Time, Money, Graphs
Geometry	Two & Three-Dimensional Shapes, Area by Counting, Fractional Parts

3 rd Grade Math	
Domain	Skills - lessons are aligned to state standards
Algebra & Expressions	Multiplication & Division Facts & Properties, Number Sentences & Patterns, Two-Step Real-World Problems, Estimate Solutions
Numbers & Operations	Rounding Numbers, Addition & Subtractions, Multiply by Multiples of 10
Measurement, Data, & Statistics	Time, Elapsed Time, Capacity & Mass, Graphs, Area, Perimeter
Geometry	Two-Dimensional Shapes, Shape Partitions

4 th Grade Math	
Domain	Skills - lessons are aligned to state standards
Algebra & Expressions	Factors & Multiples, Multiplicative Comparisons, Real-World Problems, Patterns
Numbers & Operations	Place Value, Expanded Notation, Compare Numbers, Rounding Numbers, Addition & Subtraction, Multiplication, Division
Measurement, Data, & Statistics	Units of Measurement, Measuring Objects, Time, Money, Perimeter & Area, Represent & Interpret Data, Angle Measurement
Geometry	Points, Lines, Rays, and Segments, Angles, Classify Two-Dimensional Figures, Symmetry

5 th Grade Math	
Domain	Skills - lessons are aligned to state standards
Algebra & Expressions	Numerical Expressions & Number Patterns
Numbers & Operations	Multiply Whole Numbers, Model Division of Whole Numbers, Representations of Decimals, Comparing & Rounding Decimals, Power of Ten, Add, Subtract, Multiply & Decimals, Real-World Problems
Measurement, Data, & Statistics	Units of Measure, Representing & Interpreting Data, Volume
Geometry	Two-Dimensional Figures, Coordinate System



6 th Grade Math	
Domain	Skills - lessons are aligned to state standards
Algebra & Expressions	Write Expressions, Evaluate Expressions, Equivalent Expressions, Solve Equations & Inequalities, Symbolize Problem Situations, Number Sentences, Quantitative Relationships
Numbers & Operations	Number Theory, Arithmetic with Decimals, Division of Whole Numbers, Division of Fractions, Negative & Positive Numbers, Number Lines, Absolute Value, Coordinate Planes
Measurement, Data, & Statistics	Statistical Analysis, Graphing & Interpreting Data
Geometry	Area, Surface Area & Volume, Coordinate Geometry

7 th Grade Math	
Domain	Skills - lessons are aligned to state standards
Algebra & Expression	Linear Expressions, Multi-Step Real-World Problems, Symbolize & Solve Equations, Symbolize & Solve Inequalities
Numbers & Operations	Properties of Addition & Subtraction, Properties of Multiplication & Division, Compute with Rational Numbers, Single-Step Real-World Problems
Measurement, Data, & Statistics	Sampling Analysis, Central Tendency & Variability, Probability
Geometry	Triangles, Angle, Circles, Area, Surface Area & Volume, Three-Dimensional Figures, Scale Drawings

8 th Grade Math	
Domain	Skills - lessons are aligned to state standards
Algebra & Expression	Exponential Expressions, Square & Cube Roots, Scientific Notation, Proportional Relationships, Solving Linear Equations, Systems of Equations
Numbers & Operations	Real Numbers, Rational Approximations
Measurement, Data, & Statistics	Scatter Plots, Best-Fit Linear Models, Two-Way Tables
Geometry	Object Transformations, Similarity & Congruence, Angles & Lines, Pythagorean Theorem, Volume



High School Math	
Domain	Skills - lessons are aligned to state standards
Algebra & Expression	Solve Linear Equations, Rewrite to Solve Linear Variable Equations, Solve Linear Inequalities, Symbolize with Linear & Exponential Expressions, Symbolize with Quadratic Expressions, Create & Solve One-Variable Linear Equations & Inequalities, Solve Exponential Equations, Create & Solve One-Variable Exponential Equations & Inequalities, Two-Variable Linear & Exponential Equations, Create Systems of Equations & Inequalities, Systems of Equations, Linear Inequalities in Two Variables, Operations with Polynomial Expressions, Equivalent Quadratic Expressions, Reveal Properties of Quadratic Expressions, Solve Quadratic Equations, Create & Solve Quadratic Equations & Inequalities, Rewrite Equations, Systems of Linear & Quadratic Equations
Geometry	Right Triangle Trigonometry, Law of Sines & Law of Cosines, Area of a Triangle Using Trigonometry, Two & Three-Dimensional Objects, Volume, Circles without Coordinates, Circles with Coordinates, Parabola Equations