

Product

Adaptive Curriculum is an award-winning online supplemental curriculum program that provides interactive, discovery-based, and high-quality visuals designed to enhance teaching and learning in Mathematics and Science for teachers and learners in the middle grades.

Topic	Concept	Activity Object	Type	6	7	8
Rational Numbers and Real Numbers	Fractions	Equivalent Fractions	Concept Development	X		
		Compare and Order Mixed Numbers	Concept Development	X		
		Adding and Subtracting Fractions	Concept Development	X		
		Multiplication of Fractions	Visual Proof	X		
		Division of Fractions	Visual Proof	X		
		Compare and Order Proper Fractions	Concept Development	X		
	Decimals	Solve Problems Using Money	Interactive Exercise	X		
		Decimal Representations	Concept Development	X		
		Compare and Order Decimals with Races	Concept Development	X		
		Factorization of Decimals Using a Model	Concept Development	X		
Rounding Decimals		Concept Development	X			
Ratio, Proportion and Percentages	Problem Solving Involving Ratio and Proportion	Problem Solving		X		
	Finding Equivalent Proportions	Concept Development	X	X	X	
	Park Planning Using Rational Numbers	Concept Development	X			
	Simple Interest	Concept Development	X			
	Use Percent Proportion to Solve Problems	Interactive Exercise	X	X		
	Using a Percent Model	Interactive Exercise	X	X	X	
	Percent of a Mixture	Interactive Exercise	X	X	X	
	<i>Scale Factor (coming soon)</i>	Concept Development	X	X		
Real Numbers	Estimating the Square Root of Non-Perfect Integers	Concept Development		X	X	
Whole Numbers and Integers	Whole Numbers and Operation with Whole Numbers	Round Whole Numbers	Concept Development	X		
	Integers and Operations with Integers	Puzzle It! Number Relationships on Operation	Interactive Exercise	X	X	X
		Addition of Integers	Concept Development	X	X	
		Subtraction of Integers	Concept Development	X	X	
Operations on Numbers in Scientific Notation		Interactive Exercise		X		
Factors and Multiples	Least Common Multiple of Numbers	Concept Development	X	X	X	
	Greatest Common Factor of Numbers	Concept Development	X	X	X	
	Special Numbers	Concept Development	X	X	X	
Transformational Geometry, Symmetry, and Tessellations	Transformational Geometry and Symmetry	Application of Translation	Interactive Exercise	X	X	X
		Drawing the Reflection of a Figure	Interactive Exercise	X	X	X
		Symmetry of a Figure	Interactive Exercise		X	X
Basic Concepts in Geometry, Coordinate Plane	Basic Concepts in Geometry	Basic Elements of Geometry	Interactive Exercise	X	X	
		Points, Lines, Planes and Their Relationships	Interactive Exercise		X	X
	Angles	Angle and Types of Angles	Dynamic Modeling	X	X	X
Coordinate Plane	Coordinate Plane	Slope of the Line	Interactive Exercise			X
		<i>Distance Between Two Points (coming soon)</i>				X

Topic	Concept	Activity Object	Type	6	7	8
Geometric Solids	3D Shapes Constructed with Unit Cubes	Drawing 2D Views of a 3D Object	Interactive Exercise	X	X	X
		Completing the Missing 2D View of a 3D Object	Interactive Exercise	X	X	X
	Surface Area and Volume	Observing Changes in Volume of Square Prisms	Dynamic Modeling		X	X
		Observing Changes in Volume of Cylinders	Dynamic Modeling	X	X	X
		Observing Changes in Volume of Pyramids	Dynamic Modeling			X
		Observing Changes in Surface Area of Prisms	Dynamic Modeling	X	X	X
		Observing Changes in Surface Area of Cylinders	Dynamic Modeling		X	X
		Observing Changes in Surface Area of Pyramids	Dynamic Modeling			X
		Observing Changes in Surface Area of Cones	Dynamic Modeling			X
		Formula for the Volume of a Cone	Visual Proof			X
Formula for the Volume of a Sphere		Visual Proof	X	X	X	
Problem Solving Involving Volume of Prisms	Problem Solving					
Polygons	Polygons and Their Properties	The Sum of Exterior Angles of Polygons	Visual Proof			X
		The Interior Angles of Polygons	Visual Proof		X	X
		Interior and Exterior Angles of a Triangle	Visual Proof	X	X	X
		Types of Triangles	Dynamic Modeling		X	X
		Let's Find the Congruent Triangles	Interactive Exercise		X	X
		Let's Find the Similar Triangles	Interactive Exercise		X	X
		Proof of the Pythagorean Theorem	Visual Proof		X	X
		Solve Problems Using the Pythagorean Theorem	Interactive Exercise		X	X
		Classification of Quadrilaterals	Dynamic Modeling	X	X	X
	Find the Area of Composite Shapes	Interactive Exercise	X	X		
Perimeter and Area of Polygons	Relationship Between Perimeter and Area	Concept Development	X			
	Area of a Parallelogram	Visual Proof	X	X	X	
	The Area of a Trapezoid	Visual Proof		X	X	
Circles	Circle and Properties	Arcs and Angles of a Circle	Dynamic Modeling			X
	Circumference and Area	Circumference of a Circle	Concept Development	X		
		Ratio of a Circle's Circumference to Its Diameter	Concept Development	X	X	
		Calculating the Circumference of a Circle	Interactive Exercise		X	X
Formula for the Area of a Circle	Visual Proof		X	X		
Measures	Measurement & Units	Measuring Time	Interactive Exercise	X		
	Unit Conversions	Conversion of Volume Measures	Interactive Exercise	X	X	X
		Conversion of Area Measures	Interactive Exercise	X	X	X
Conversion of Length Measures	Interactive Exercise	X	X	X		
Discrete Mathematics and Probability	Counting Principle, Permutations, Combinations	Counting Principle	Concept Development	X	X	
		Combination	Concept Development	X		
	Probability	Experimental and Theoretical Probabilities	Concept Development	X		
		Analyze Experimental Probability Using Graphs	Concept Development	X	X	
		Playing with Probability	Concept Development		X	
Probability Using Tree Diagrams	Concept Development	X	X	X		
Find the Given Probability	Interactive Exercise	X	X	X		

Topic	Concept	Activity Object	Type	6	7	8
Handling Data	Data, Collecting, Representing, and Interpreting Data	Find the Appropriate Graph	Interactive Exercise	X		
		Bar Graphs and Line Graphs	Concept Development	X	X	
		Drawing Bar Graphs	Interactive Exercise	X		
		Interpreting Bar Graphs	Interactive Exercise	X		
		Double Bar Graphs	Concept Development	X	X	
		Stem and Leaf Plot	Concept Development	X	X	X
		Constructing a Tally Chart	Concept Development	X		
		Line Plot	Concept Development	X		
		Circle Graph	Concept Development	X	X	X
		Pictograph	Concept Development	X		
		Box and Whisker Plot	Concept Development		X	X
		<i>Histogram (coming soon)</i>	Concept Development	X	X	
Handling Data	Measurement and Central Tendency	Mean, Mode, Median	Dynamic Modeling	X	X	X
		Calculate Mean, Mode, Median	Concept Development	X		
Algebraic Expressions, Equality and Inequality	Patterns	Problem Solving Involving Gauss' Pattern	Problem Solving	X	X	X
		The General Rule for Input/Output Tables	Interactive Exercise	X	X	
		<i>Fibonacci (coming soon)</i>	Concept Development	X	X	X
	Algebraic Expressions	Evaluation of Algebraic Expressions	Interactive Exercise	X	X	X
		Factoring Algebraic Expressions	Concept Development			X
	Equation, Equality, Inequality, Function and Graphs	Forming Equations	Concept Development		X	X
		Graphs of One-Step Linear Equations	Interactive Exercise		X	X
		Graphs of Two-Step Linear Equations	Interactive Exercise		X	X
		Find the Equation of Linear Graphs	Interactive Exercise		X	X
Different Forms of Representation for a Relationship		Concept Development		X	X	