

6th Grade McGrall Hill - Math Course 1 Pacing Guide

Dates	Unit 1 – Math Is...		Number of Days
	Big Idea: Problem Solving		
	Essential Question: What does it mean to do math?		
August 17 - September 4	1-1	Math Is In My World	2 days
	1-2	Math Is Exploring and Thinking	2 days
	1-3	Math Is Explaining and Sharing	2 days
	1-4	Math Is Finding Patterns	2 days
	1-5	Math Is Ours	2 days
	1-6	Math Is Mine	2 days
	Additional/Extra Instructional Days		3 days
Dates	Unit 2 – Understanding the World Around Us Through Statistics		Number of Days
	Big Ideas: The Shape of Distributions, Variability in Data		
	Essential Question: How can I use data to summarize spread and variability?		
September 8 - October 9	2-1	Understand Statistical Questions	2 days
	2-2	Represent and Describe Data in a Histogram	2 days
	2-3	Describe Data Using the Median	2 days
	2-4	Represent and Describe Data in a Box Plot	2 days
	2-5	Describe Data by Range and Interquartile Range	2 days
	2-6	Use an Algorithm to Add, Subtract, and Multiply Decimals	2 days
	2-7	Use an Algorithm to Divide Whole Numbers and Decimals	2 days
	2-8	Describe Data Using the Mean	2 days
	2-9	Describe Data by Mean Absolute Deviation	2 days
	2-10	Choose Appropriate Measures	2 days
	Additional/Extra Instructional Days Unit Assessment - Benchmark Assessment		4 days
Dates	Unit 3 – Ratios and Rates		Number of Days
	Big Ideas: Fraction Relationships, Generalizing with Multiple Representations, Model the World		
	Essential Question: When do we use ratios and rates?		
	3-1	Understand Ratios	2 days
	3-2	Understand Rates and Unit Rates	2 days
	3-3	Determine Equivalent Ratios Using Tables	2 days
	3-4	Graphs of Equivalent Ratios	2 days

October 13 - November 6	3-5	Compare Ratio Relationships	2 days
	3-6	Ratio Reasoning: Convert Measurements within the Same System	2 days
	3-7	Ratio Reasoning: Convert Measurements Between Systems	2 days
	Additional/Extra Instructional Days		5 days
Dates	Unit 4 – Understand and Use Percentages		Number of Days
	Big Idea: Fraction Relationships		
	Essential Question: In what ways would we miss percentages if they didn't exist?		
November 9 - December 4	4-1	Understand Percent	2 days
	4-2	Relate Fractions, Decimals, and Percentages	2 days
	4-3	Find and Compare with Percentages	2 days
	4-4	Estimate the Percent of a Number	2 days
	4-5	Determine the Whole Given the Part and Percent	2 days
	Additional/Extra Instructional Days		4 days
Dates	Unit 5 – Solve Area, Surface Area, and Volume Problems		Number of Days
	Big Idea: Nets and Surface Area		
	Essential Question: How do two-dimensional figures help expand what you know about three-dimensional figures?		
December 7 - January 22	5-1	Determine the Area of Parallelograms and Rhombuses	2 days
	5-2	Determine the Area of Triangles	2 days
	5-3	Determine the Area of Trapezoids	2 days
	5-4	Apply Area Concepts to Solve Problems	2 days
	5-5	Determine the Volume of Rectangular Prisms	2 days
	5-6	Represent Three-Dimensional Figures in Two Dimensions	2 days
	5-7	Determine the Surface Area of Prisms	2 days
	5-8	Determine Surface Area of Pyramids	2 days
	Additional/Extra Instructional Days Unit Assessment - Benchmark Assessment		2 days
Dates	Unit 6 – Numerical and Algebraic Expressions		Number of Days
	Big Ideas: Fraction Relationships, Patterns Inside Numbers		
	Essential Question: What strategies should you use to		
	find solutions of numerical and algebraic expressions?		
	6-1	Division Expressions with Fractions and Whole Numbers	2 days
	6-2	Division Expressions with Fractions and Mixed Numbers	2 days
	6-3	Explore Numerical Expressions with Exponents	2 days

January 25 - February 25	6-4	Write and Evaluate Numerical Expressions with Exponents	2 days
	6-5	Write Equivalent Algebraic Expressions	2 days
	6-6	Identify Equivalent Algebraic Expressions	2 days
	6-7	Find Factors and Multiples	2 days
	6-8	Generate Equivalent Expressions	2 days
	Additional/Extra Instructional Days Unit Assessment - Benchmark Assessment		6 days
Dates	Unit 7 – Integers, Rational Numbers, and the Coordinate Plane		Number of Days
	Big Ideas: Distance and Direction, Graphing Shapes		
	Essential Question: In what ways are integers and rational numbers connected within the coordinate plane?		
February 26 - March 24	7-1	Explore Integers and Their Opposites	2 days
	7-2	Represent Rational Numbers and Their Opposites on the Number Line	2 days
	7-3	Understand Absolute Value of Rational Numbers	2 days
	7-4	Compare and Order Integers and Rational Numbers	2 days
	7-5	Represent Rational Numbers on the Coordinate Plane	2 days
	7-6	Determine Distance on the Coordinate Plane	2 days
	7-7	Represent Polygons on the Coordinate Plane	2 days
Additional/Extra Instructional Days		4 days	
Dates	Unit 8 – Equations and Inequalities		Number of Days
	Big Idea: Generalizing with Multiple Representations		
	Essential Question: How can equations and inequalities be used to describe real-world situations?		
April 12 - April 30	8-1	Understand Equations and Their Solutions	2 days
	8-2	Write and Solve Equations Using Addition or Subtraction	2 days
	8-3	Write and Solve Equations Using Multiplication or Division	2 days
	8-4	Write and Represent Inequalities	2 days
	8-5	Understand Inequalities and Their Solutions	2 days
Additional/Extra Instructional Days		5 days	