

Correlations to Curricula

The lessons in *It's All Connected!* are herein directly correlated to four of the leading middle school mathematics programs

- Pearson: Connected Mathematics 2
- Glencoe/McGraw-Hill: Math Connects: Concepts, Skills and Problem Solving Courses 1, 2, 3
- Prentice Hall: Mathematics Courses 1, 2, 3
- Holt McDougal: Mathematics Courses 1, 2, 3

Use these tables to further facilitate the use of these lessons with your curricula.

Correlation to Pearson: Connected Mathematics 2				
<i>It's All Connected: The Power of Proportional Reasoning to Understand Mathematics Concepts</i>		Grade 6	Grade 7	Grade 8
Chapter 1 Number and Operation	Lesson 1: Equivalence: Many Names for Fractions	Bits and Pieces I: Investigation 2		
	Lesson 2: Sale, Sale, Sale!	Bits and Pieces III: Investigation 4	Comparing and Scaling: Investigation 2	
	Lesson 3: Dividing Fractions	Bits and Pieces II: Investigation 4		
	Lesson 4: Cookie Recipe	Bits and Pieces II: Investigation 2	Comparing and Scaling: Investigation 2	
	Lesson 5: The State Fair	Bits and Pieces III: Investigation 2		
Chapter 2 Algebraic Reasoning	Lesson 1: Walking Trip		Moving Straight Ahead: Investigation 1	Thinking with Mathematical Models: Investigation 2
	Lesson 2: Zapping Zombies		Comparing and Scaling: Investigation 3	Thinking with Mathematical Models: Investigation 2

Correlation to Pearson: Connected Mathematics 2

<i>It's All Connected: The Power of Proportional Reasoning to Understand Mathematics Concepts</i>		Grade 6	Grade 7	Grade 8
Chapter 2 Algebraic Reasoning	Lesson 3: Downloading Music		Comparing and Scaling: Investigation 3	Thinking with Mathematical Models: Investigation 2
Chapter 3 Geometry	Lesson 1: What's My Size?	Covering and Surrounding: Investigation 4	Stretching and Shrinking: Investigation 2	
	Lesson 2: Candy Boxes	Covering and Surrounding: Investigation 4	Filling and Wrapping: Investigation 2	Thinking with Mathematical Models: Investigation 1
	Lesson 3: Designing Figures			Kaleidoscope, Hubcaps, and Mirrors: Investigation 5
Chapter 4 Measurement	Lesson 1: Centimeters to Inches	Covering and Surrounding: Investigation 2	Comparing and Scaling: Investigation 4	
	Lesson 2: How Tall?	Covering and Surrounding: Investigation 4	Stretching and Shrinking: Investigation 5	Looking for Pythagoras: Investigation 4
	Lesson 3: Park		Stretching and Shrinking: Investigation 3	
Chapter 5 Probability and Statistics	Lesson 1: Winner Every Time	How Likely Is It?: Investigation 4	What Do You Expect?: Investigation 1	
	Lesson 2: Fair or Not?		What Do You Expect?: Investigation 1	
	Lesson 3: Typical Me	Data About Us: Investigation 3	Data Distributions: Investigation 3	Samples and Populations: Investigation 2
	Lesson 4: Arms and Feet			Samples and Populations: Investigation 4

**Correlation to Glencoe/McGraw-Hill: Math Connects: Concepts, Skills
and Problem Solving Courses 1, 2, and 3**

<i>It's All Connected: The Power of Proportional Reasoning to Understand Mathematics Concepts</i>		Math Connects: Course 1 Grade 6	Math Connects: Course 2 Grade 7	Math Connects: Course 3 Grade 8
Chapter 1 Number and Operation	Lesson 1: Equivalence: Many Names for Fractions	Chapter 4: Fractions and Decimals	Chapter 4: Fractions, Decimals, and Percents	
	Lesson 2: Sale, Sale, Sale!	Chapter 5: Operation with Fractions	Chapter 5: Applying Fractions	
	Lesson 3: Dividing Fractions	Chapter 5: Operations with Fractions	Chapter 5: Applying Fractions	
	Lesson 4: Cookie Recipe	Chapter 6: Ratio, Proportion and Functions	Chapter 6: Ratio and Proportions	Chapter 4: Proportions and Similarity
	Lesson 5: The State Fair	Chapter 6: Ratio, Proportion and Functions	Chapter 6: Ratio and Proportions	Chapter 4: Proportions and Similarity
Chapter 2 Algebraic Reasoning	Lesson 1: Walking Trip	Chapter 1: Algebra: Number Patterns and Functions	Chapter 1: Introduction to Algebra and Functions	Chapter 1: Algebra
	Lesson 2: Zapping Zombies	Chapter 6: Ratio, Proportion and Functions	Chapter 6: Ratio and Proportions	Chapter 4: Proportions and Similarity
	Lesson 3: Downloading Music	Chapter 12: Algebra: Properties and Equations	Chapter 3: Algebra Linear Equations and Functions	Chapter 9: Algebra: Linear Functions

**Correlation to Glencoe/McGraw-Hill: Math Connects: Concepts, Skills
and Problem Solving Courses 1, 2, and 3**

<i>It's All Connected: The Power of Proportional Reasoning to Understand Mathematics Concepts</i>		Math Connects: Course 1 Grade 6	Math Connects: Course 2 Grade 7	Math Connects: Course 3 Grade 8
Chapter 3 Geometry	Lesson 1: What's My Size?		Chapter 10: Geometry: Polygons	Chapter 4: Proportions and Similarity
	Lesson 2: Candy Boxes	Chapter 12: Algebra: Properties and Equations	Chapter 6: Ratio and Proportions	
	Lesson 3: Designing Figures		Chapter 10: Geometry: Polygons	Chapter 4: Proportions and Similarity
Chapter 4 Measurement	Lesson 1: Centimeters to Inches	Chapter 8: Systems of Measurements	Chapter 6: Ratio and Proportions	Chapter 6: Geometry and Spatial Reasoning
	Lesson 2: How Tall?		Chapter 6: Ratio and Proportions	Chapter 6: Geometry and Spatial Reasoning
	Lesson 3: Park		Chapter 12: Geometry and Measurement	Chapter 6: Geometry and Spatial Reasoning
Chapter 5 Probability and Statistics	Lesson 1: Winner Every Time	Chapter 7: Percent and Probability	Chapter 9: Probability	Chapter 12: Probability
	Lesson 2: Fair or Not?	Chapter 7: Percent and Probability	Chapter 9: Probability	Chapter 12: Probability
	Lesson 3: Typical Me	Chapter 6: Ratio, Proportion and Functions	Chapter 8: Statistics: Analyzing Data	Chapter 11: Statistics
	Lesson 4: Arms and Feet		Chapter 8: Statistics: Analyzing Data	Chapter 9: Algebra: Linear Functions

Correlation to Prentice Hall: Mathematics Courses 1, 2, and 3

<i>It's All Connected: The Power of Proportional Reasoning to Understand Mathematics Concepts</i>		Mathematics Course 1 Grade 6	Mathematics Course 2 Grade 7	Mathematics Course 3 Grade 8
Chapter 1 Number and Operation	Lesson 1: Equivalence: Many Names for Fractions	Chapter 4: Number Theory and Fractions	Chapter 2: Exponents, Factors, and Fractions	Chapter 2: Rational Numbers
	Lesson 2: Sale, Sale, Sale!	Chapter 7: Ratio, Proportions, and Percents	Chapter 5: Ratios, Rates, and Proportions	Chapter 5: Application of Percent
	Lesson 3: Dividing Fractions	Chapter 6: Multiplying and Dividing Fractions	Chapter 3: Operations with Fractions	Chapter 2: Rational Numbers
	Lesson 4: Cookie Recipe	Chapter 7: Ratio, Proportions, and Percents	Chapter 5: Ratios, Rates, and Proportions	Chapter 4: Application of Proportions
	Lesson 5: The State Fair	Chapter 1: Whole Numbers and Decimals	Chapter 1: Decimals and Integers	Chapter 2: Rational Numbers
Chapter 2 Algebraic Reasoning	Lesson 1: Walking Trip	Chapter 11: Integers	Chapter 4 Equations and Inequalities	Chapter 6: Equations and Inequalities
	Lesson 2: Zapping Zombies	Chapter 11: Integers	Chapter 4 Equations and Inequalities	Chapter 4: Application of Proportions
	Lesson 3: Downloading Music	Chapter 11: Integers	Chapter 4 Equations and Inequalities	Chapter 6: Equations and Inequalities

Correlation to Prentice Hall: Mathematics Courses 1, 2, and 3

<i>It's All Connected: The Power of Proportional Reasoning to Understand Mathematics Concepts</i>		Mathematics Course 1 Grade 6	Mathematics Course 2 Grade 7	Mathematics Course 3 Grade 8
Chapter 3 Geometry	Lesson 1: What's My Size?	Chapter 8: Tools of Geometry	Chapter 7: Geometry	Chapter 4: Application of Proportions
	Lesson 2: Candy Boxes	Chapter 9: Geometry and Measurement	Chapter 8: Measurement	Chapter 8: Measurement
	Lesson 3: Designing Figures			Chapter 4: Application of Proportions
Chapter 4 Measurement	Lesson 1: Centimeters to Inches	Chapter 9: Geometry and Measurement	Chapter 9: Patterns and Rules	Chapter 8: Measurement
	Lesson 2: How Tall?		Chapter 5: Ratios, Rates, and Proportions	Chapter 4: Application of Proportions
	Lesson 3: Park		Chapter 5: Ratios, Rates, and Proportions	Chapter 4: Application of Proportions
Chapter 5 Probability and Statistics	Lesson 1: Winner Every Time	Chapter 10: Exploring Probability	Chapter 12: Using Probability	Chapter 10: Probability
	Lesson 2: Fair or Not?	Chapter 10: Exploring Probability	Chapter 12: Using Probability	Chapter 10: Probability
	Lesson 3: Typical Me	Chapter 10: Exploring Probability	Chapter 11: Displaying and Analyzing Data	Chapter 9: Using Graphs to Analyze Data
	Lesson 4: Arms and Feet		Chapter 11: Displaying and Analyzing Data	Chapter 9: Using Graphs to Analyze Data

Correlation to Holt McDougal: Mathematics Courses 1, 2, and 3

Correlation to Holt McDougal: Mathematics Courses 1, 2, and 3				
<i>It's All Connected: The Power of Proportional Reasoning to Understand Mathematics Concepts</i>		Mathematics Course 1 Grade 6	Mathematics Course 2 Grade 7	Mathematics Course 3 Grade 8
Chapter 1 Number and Operation	Lesson 1: Equivalence: Many Names for Fractions	Chapter 4: Number Theory and Fractions		
	Lesson 2: Sale, Sale, Sale!	Chapter 7: Proportional Relationships	Chapter 4: Proportional Relationships	Chapter 2: Rational Numbers
	Lesson 3: Dividing Fractions	Chapter 5: Fraction Operations	Chapter 3: Applying Rational Numbers	Chapter 2: Rational Numbers
	Lesson 4: Cookie Recipe	Chapter 7: Proportional Relationships	Chapter 8: Percents	
	Lesson 5: The State Fair	Chapter 7: Proportional Relationships	Chapter 4: Proportional Relationships	Chapter 5: Ratios, Proportions, and Similarity
Chapter 2 Algebraic Reasoning	Lesson 1: Walking Trip	Chapter 13: Functions, Equations, and Inequalities	Chapter 5: Graphs and Functions	Chapter 3: Graphs and Functions
	Lesson 2: Zapping Zombies	Chapter 13: Functions, Equations, and Inequalities	Chapter 5: Graphs and Functions	Chapter 5: Ratios, Proportions, and Similarity
	Lesson 3: Downloading Music		Chapter 5: Graphs and Functions	Chapter 5: Graphs and Functions

Correlation to Holt McDougal: Mathematics Courses 1, 2, and 3

<i>It's All Connected: The Power of Proportional Reasoning to Understand Mathematics Concepts</i>		Mathematics Course 1 Grade 6	Mathematics Course 2 Grade 7	Mathematics Course 3 Grade 8
Chapter 3 Geometry	Lesson 1: What's My Size?		Chapter 4: Proportional Relationships	Chapter 7: Foundations of Geometry
	Lesson 2: Candy Boxes	Chapter 10: Measurement: Area and Volume	Chapter 8: Geometric Figures	Chapter 8: Perimeter, Area, and Volume
	Lesson 3: Designing Figures			Chapter 5: Ratios, Proportions, and Similarity
Chapter 4 Measurement	Lesson 1: Centimeters to Inches	Chapter 9: Measurement and Geometry	Chapter 4: Proportional Relationships	
	Lesson 2: How Tall?		Chapter 8: Geometric figures	Chapter 7: Foundations of Geometry
	Lesson 3: Park		Chapter 9: Measurement: Two-Dimensional Figures	Chapter 7: Foundations of Geometry
Chapter 5 Probability and Statistics	Lesson 1: Winner Every Time	Chapter 12: Probability	Chapter 11: Probability	Chapter 10: Probability
	Lesson 2: Fair or Not?	Chapter 12: Probability	Chapter 11: Probability	Chapter 10: Probability
	Lesson 3: Typical Me	Chapter 6: Collecting and Displaying Data	Chapter 7: Collecting, Displaying, and Analyzing Data	Chapter 9: Data and Statistics
	Lesson 4: Arms and Feet			Chapter 9: Data and Statistics