Odysseyware[®]

CURRICULUM OVERVIEW

SPARK Mathematics Grade 6



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	Finding the Greatest Common Factor and Least

Common Multiple (6.NS.4)*

Unit 1: Understanding Ratios (6.RP.1)

Assignments

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Assig	nments		
1.	Pre-Test: Understanding How Positive and Negative	3.	Post-Test: Understanding How Positive and
	Numbers are Used Together (6.NS.5)*		Negative Numbers are Used Together (6.NS.5)
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2.	Using the Position of Numbers to Compare and Order	4.	Using Absolute Values to Represent Amounts in
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Assig	nments		
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	Problems by Graphing (6.NS.8)*		Problems by Graphing (6.NS.8)
2.	Interpreting Coordinates of Points and Solving	4.	Using Absolute Values to Find the Distance between
	Distance-Related Problems (6.NS.8)		Two Points (6.NS.8)*
Unit	12: Using Exponents With Numbers Other Than 10 (6.EE.1)	
Assig	nments		
1.	Pre-Test: Using Exponents with Numbers other than	3.	Post-Test: Using Exponents with Numbers other
	10 (6.EE.1)*		than 10 (6.EE.1)

Unit 13: Working With Letters When They Stand For Numbers (6.EE.2)

Assig	nments		
1.	Pre-Test: Working with Letters When They Stand for Numbers (6.EE.2)*	4.	Reading and Translating Algebraic Expressions into Words (6.EE.2)*
2.	Writing Algebraic Expressions from Word Phrases (6.EE.2)	5.	Evaluating Algebraic Expressions for Given Values (6.EE.2)*
3.	Post-Test: Working with Letters When They Stand for Numbers (6.EE.2)	6.	Using Formulas and the Order of Operations to Solve Problems (6.EE.2)*

Unit 14: Applying the Properties of Operations to Genera	te Equivalent Expressions (6.EE.3)
Assignments	
 Pre-Test: Applying the Properties of Operations to Generate Equivalent Expressions (6.EE.3)* Using the Distributive Property to Write Equivalent 	 Post-Test: Applying the Properties of Operations to Generate Equivalent Expressions (6.EE.3) Applying Properties and Combining Like Terms to
Expressions (6.EE.3)	Simplify Expressions (6.EE.3)*
Jnit 15: Identifying When Two Expressions Are Equivaler	nt (6.EE.4)
Assignments	
1. Pre-Test: Identifying When Two Expressions are	3. Post-Test: Identifying When Two Expressions are
Equivalent (6.EE.4)*	Equivalent (6.EE.4)
2. Identifying Equivalent Expressions (6.EE.4)	4. Using Properties of Operations to Rewrite
	Expressions and Justify Answers (6.EE.4)*
Unit 16: Understanding What a Variable Can Represent (6.EE.5)
Assignments	
1. Pre-Test: Understanding What a Variable can	3. Post-Test: Understanding What a Variable can
Represent (6.EE.5)*	Represent (6.EE.5)
2. Using Reasoning to Solve Given Equations and	4. Using Substitution to Identify and Check Solutions
Inequalities (6.EE.5)	(6.EE.5)*
Jnit 17: Using Variables to Represent Numbers and Writ	e Expressions (6.EE.6)
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Write Expressions (6.EE.6)*	and Write Expressions (6.EE.6)
2. Identifying the Unknowns in a Problem and Defining	4. Writing Algebraic Expressions to Represent Problem
Variables (6.EE.6)	Situations (6.EE.6)*
Jnit 18: Solving Problems Through Equations of a Particu	ılar Form (6.EE.7)
Assignments	
1. Pre-Test: Solving Problems through Equations of a	3. Post-Test: Solving Problems through Equations of a
Particular Form (6.EE.7)*	Particular Form (6.EE.7)
2. Writing Equations with One Variable to Represent	4. Using Inverse Operations and Properties of Equality
Problems (6.EE.7)	to Solve Equations (6.EE.7)*
Jnit 19: Writing An Inequality Of A Particular Form (6.EE	.8)
Assignments	
1. Pre-Test: Writing an Inequality of a Particular Form	3. Post-Test: Writing an Inequality of a Particular Form
(6.EE.8)*	(6.EE.8)
2. Writing Inequalities to Represent Situations (6.EE.8)	 Representing Solutions to Inequalities on a Number Line (6 EE 8)*

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Assignments	
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Real-World Situations (6.EE.9)	Relationships (6.EE.9)*
Unit 21: Considering How the Areas of Rectangles and Tr	angles Relate (6.G.1)
Assignments	
1. Pre-Test: Considering How the Areas of Rectangles	4. Solving Word Problems by Finding the Area of
and Triangles Relate (6.G.1)*	Triangles and Rectangles (6.G.1)*
2. Developing the Area Formula for Triangles (6.G.1)	5. Dividing Figures into Simpler Shapes to Find their
3. Post-Test: Considering How the Areas of Rectangles	Areas (6.G.1)*
and Triangles Relate (6.G.1)	6. Building Rectangles to Find the Area of Figures
	(6.G.1)*
Unit 22: Finding the Volume of Rectangular Prisms With I	ractional Edge Lengths (6.G.2)
Assignments	
1. Table Paragraph	3. Table Paragraph
2. Table Paragraph	4. Table Paragraph
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Assignments	
1. Pre-Test: Drawing Polygons in the Coordinate Plane	3. Post-Test: Drawing Polygons in the Coordinate Pl
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2. Using Coordinates to Draw Polygons and to Find their	4. Finding and Using Side Lengths of Polygons (6.G.3
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Assignments	
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Using Nets (6.G.4)*	Using Nets (6.G.4)
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Assignments 1. Pre-Test: Developing Understanding of Statistical Variability (6.SP.1)* 2. Identifying Statistical Questions for Different	 Post-Test: Developing Understanding of Statistica Variability (6.SP.1) Considering Statistical and Non-statistical Question

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2.	Describing the Nature of the Measured Feature and		Relating Them to Shape of Distribution (6.SP.5)*
	What Affects Reliability (6.SP.5)	6.	Relating Statistical Measures to Data Displays and
3.	Post-Test: Summarizing Numerical Data Sets by		Real-World Contexts (6.SP.5)*

(*) Indicates alternative assignment

Context (6.SP.5)