

Unit	#	Lesson	Title	Week	Topic						
Rigid Transformations and Congruence	8.1.2	1	Spinning, Flipping, Sliding	Week 1 Aug 22-25	Naming Transformations						
	8.1.3	2	Transformation Golf		Sequences of Transformations						
	8.1.4	3	Moving Day		Transformations on Grids						
	8.1.5	4	Getting Coordinated		Using Coordinates to Describe Transformations						
	8.1.6	5	Connecting the Dots	Week 2 Aug 29-Sep 1	Describing Transformations Precisely						
	8.1	6	Quiz								
	8.1.7/8	6	Are They the Same? / No Bending, No Stretching		Defining Congruence						
	8.1.9	7	Are They Congruent?		Rigid Transformations and Congruent Figures						
	7.7.2	8	Friendly Angles	Week 3 Sep 5-8	Complementary and Supplementary Angles						
	7.7.3	9	Angle Diagrams		Vertical Angles and Equations						
	8.1.10	10	Transforming Angles		Angle Measures in Parallel Lines						
	8.1.11	11	Tearing It Up		Angle Sums in Triangles						
	8.1.12	12	Puzzling It Out	Week 4 Sep 12-15	Proving the Triangle Sum Theorem						
	7.7.5	13	Can You Build It?		The Triangle Inequality						
	7.7.6	14	Is It Enough?		Building Polygons Given Side Lengths						
	7.7.7	15	More Than One?		Building Triangles With Technology						
	7.7.8	16	Can You Draw It?		Drawing Triangles With Rulers and Protractors						
7.7	17	End Assessment									
Scale Drawings, Dilations, and Similarity	7.1.2	17	Scaling Robots	Week 5 Sep 19-22	Lengths and Scaled Copies						
	7.1.3	18	Make It Scale		Drawing Scaled Copies						
	7.1.6	19	Introducing Scale		Comparing Scale Factor and Scale						
	7.1.7	20	Will It Fit?	Week 6 Sep 26-29	Scale Drawings						
	7.1.9	21	Scaling Buildings		Creating Scale Drawings						
	7.1	22	Quiz								
	8.2.1	22	Sketchy Dilations		Exploring Dilations and Similarity						
	8.2.2	23	Dilation Mini Golf		Dilations With No Grid						
	8.2.3	24	Match My Dilation		Dilations on a Square Grid						
	8.2.4	25	Dilations on a Plane	Week 7 Oct 3-5	Dilations with Coordinates						
			Transformation Golf With Dilations		Dilations and Similarity						
	8.2.6	27	Social Scavenger Hunt		Similar Polygons						
	8.2.7	28	Are Angles Enough?		Similar Triangles						
	8.2.8	29	Shadows	Week 8 Oct 10-13	Side Length Quotients in Similar Triangles						
	8.2.9	30	Water Slide		Slope of Lines						
	8.2	31	End Assessment								
	Writing and Solving Equations and Inequalities	7.6.1	31	Toothpicks and Tiles	Week 9 Oct 17-20	Nonproportional Relationships					
7.6.2/3		32	Smudged Receipts / Equations	Representing Contexts With Tape Diagrams and Equations							
7.6.4		33	Seeing Structure	Practice With Tape Diagrams and Equations							
7.6.5		34	Balancing Moves	Introduction to Balanced Hangers							
7.6.6		35	Balancing Equations	Solving Equations With Balanced Hangers							
7.6.7		36	Keeping It True	Week 10 Oct 24-27	Solving Equations						
7.6.8		37	Factoring and Expanding		Options for Solving One Equation						
7.6.9		38	Always-Equal Machines		Equivalent Expressions						
7.6.10		39	Collect the Squares		Adding Expressions						
7.6.11		40	Equation Roundtable	Week 11 Oct 31-Nov 3	Solving Equations by Adding Terms and Expanding						
7.6.12		41	Community Day		Using Equations to Solve Problems						
7.6		42	Quiz								
8.4.3		42	Balanced Moves		Balancing Moves and Undoing						
8.4.4		43	More Balanced Moves	Week 12 Nov 7-10	Solving Linear Equations Part 1						
8.4.1		44	Number Machines		Solving Linear Equations Part 2						
8.4.6		45	Strategic Solving		Solving Linear Equations Part 3						
8.4.7		46	All, Some, or None?		Equations With One, Many, or No Solutions						
8.4.8		47	When Are They the Same?		Solving Linear Equations in Context						
8.4		48	Quiz	Week 13 Nov 14-17	Graphing Inequalities						
6.7.6		48	Tunnel Travels		Writing Inequalities						
6.7.7		49	Comparing Weights		Solutions to Inequalities						
6.7.8		50	Shira's Solutions		Solutions to Inequalities						
7.6.14		51	Unbalanced Hangers		Solving Inequalities in Context						
7.6.15		52	Budgeting	Week 14 Nov 28-Dec 1	Solving Inequalities With Positive and Negative Numbers						
7.6.16	53	Shira the Sheep	Modeling With Inequalities								
7.6.17	54	Write Them and Solve Them									
7.6	55	End Assessment									
Linear Relationships and Systems of Equations	8.3.1	55	Turtle Time Trials	Week 15 Dec 5-8	Understanding Proportional Relationships						
	8.3.2	56	Water Tank		Graphs of Proportional Relationships						
	8.3.3	57	Posters		Comparing Proportional Relationships						
	8.3.4	58	Stacking Cups		Introduction to Linear Relationships						
	8.3.5	59	Flags		Representations of Linear Relationships						
	8.3.6	60	Translations	Week 16 Dec 12-15	Translating $y=mx+b$						
	8.3.7	61	Water Cooler		Slopes Don't Have to Be Positive						
	8.3.8	62	Landing Planes		Calculating Slope						
	8.3.9	63	Coin Capture		Equations of All Kinds of Lines						
8.3		Quiz									
		Semester Ends									