

CALM SCOPE AND SEQUENCE OVERVIEW

Unit Title		Goals and Outcomes	Priority Standards			
		<i>“By the end of this unit, students will be able to apply their understanding of...”</i>	<i>*A portion of the standard will not be explicitly covered. See individual lessons for more information.</i>			
1	Exploring the Area Model with Floor Plans	area and multiplication in order to design a floor plan for an apartment	2.NBT.1 4.NBT.5 6.G.1*	3.MD.5 4.MD.3 6.EE.1*	3.MD.7 5.OA.1	3.MD.8 5.OA.2
2	Exploring Proportional Reasoning with Landscape Design	proportional reasoning to create a scale drawing of a backyard design	2.MD.2 7.G.1*	2.MD.3	6.RP.1*	6.RP.3c
3	Exploring Benchmark Fractions and Percents with Surveys	benchmark fractions and percents to create pie charts to display survey data	1.MD.4 3.NF.3	2.MD.3 4.NF.6	3.NF.1 5.NBT.1	3.NF.2
4	Exploring Visualizations with Percents and Taxes	properties, measurement, and proportional reasoning with fractions, decimals, percents, and in order to calculate and compare tax rates	2.MD.10*	4.NF.6	5.NBT.1	6.RP.3c
5	Exploring Visualizations with Decimals in Everyday Life	properties and proportional reasoning in everyday life, such as reading scales and gauges	5.NBT.3 6.NS.6*	5.NBT.3a	5.NBT.4	5.NBT.7*
6	Exploring Visualizations with Decimals and Percents at Home and with Businesses	multiplication and division of decimals, fractions, and percents in order to work on a variety of real-world projects found at home and in business settings	5.NBT.2	5.NBT.7		
7	Exploring Fractions and Integers with Meal Preparation	benchmark fractions to solve a problem involving real world application of fractions	3.NF.1 7.NS.1a	3.NF.2 7.NS.1b	3.NF.3	6.NS.6c
8	Exploring Adding and Subtracting Fractions with Boutiques	adding and subtracting fractions to create a recipe for lip balm	1.OA.4 5.NF.2	4.NF.2	4.NF.3	5.NF.1

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9	Reasoning about Multiplying and Fractions with Catering	multiplication with whole numbers to estimate and visually represent multiplying with fractions	3.G.2	5.NF.4	5.NF.6	6.EE.1
10	Reasoning about Dividing with Fractions with Pet Care	fraction division in order to shop for a specialized diet for a show dog	3.OA.2	5.NF.2	5.NF.6	6.NS.1
11	Exploring Angles, Triangles, Parallelograms, and Trapezoids with Design	area of triangles, trapezoids, and parallelograms to design common items and common spaces found in their homes and learning centers	1.G.2 4.MD.6 7.EE.2 8.G.5	2.G.1 4.MD.7 7.EE.4 8.G.7	3.G.1 6.G.1 7.G.5	4.G.1 6.EE.2a 8.G.4
12	Exploring Circles with Budgeting Your Money	circumference and area of circles to determine the most cost-effective option for buying pizza	5.G.1 *7.G.6	5.G.2	*7.EE.3	7.G.4
13	Exploring Surface Area and Volume with Marketing	two-dimensional shapes to three-dimensional shapes to include rectangular solids, cubes, and square-based pyramids	5.MD.5	6.EE.1	6.G.4*	7.G.6*
14	Exploring Cylinders with Product Design	surface area and volume of cylinders to design a new popcorn bucket for a movie theater	6.G.4*	7.EE.3*	7.G.4*	7.G.6
15	The Statistical Process – Posing the Right Question with Snack Trucks	statistical reasoning process to develop appropriate questions and make informed decisions about opening a snack truck business	6.SP.1	7.SP.1	7.SP.2	
16	Analyzing Data with Climate Change	measures of central tendency and variation to write a convincing argument using data to make the case for climate change	6.SP.4*	6.SP.5*	7.SP.4	

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17	Exploring Probability: What Are the Chances?	counting and probability to create a game of chance with a given probability of winning	7.SP.5 7.SP.8b	7.SP.6 S.CP.9	7.SP.7	7.SP.8a
18	Exploring Patterns with Banquet Tables	patterns and their representations to choose an appropriate arrangement of tables for a large banquet	4.OA.5 7.RP.2a	6.RP.3	6.RP.3a	6.EE.6
19	Exploring Linear Functions for Decision-Making	linear functions to choose between summer jobs to meet their vacation savings goal	6.EE.9 8.F.4	8.EE.5 *8.F.5	8.F.1	8.F.3
20	Exploring Systems of Equations with Small Business	linear functions to systems of linear equations to help a small business to determine the quantity of supplies to purchase to maximize their budget for a large order needing to be filled	6.EE.5*	8.EE.8a	8.EE.8c	
21	Exploring Inequalities with Event Planning	inequalities to help a catering company to utilize its budget and estimated costs from Unit 9 to determine how many servers it can hire	6.EE.5	6.EE.8	7.EE.4b	
22	Exploring Non-Linear Functions with Data Analysis	factoring polynomials and solving quadratic equations in order to tile a scale model of a rectangular-shaped section for the backyard design project at the end of Unit 2. Students also will be able to recognize non-linear functions in real-world scenarios and equations, particularly as they appear in exponential growth and decay situations related to interest and population	6.EE.1 8.F.5 F.IF.7 F.LE.5	7.EE.4* A.SSE.1a F.IF.8b	8.EE.1 A.SSE.2 F.LE.1	8.F.3* A.SSE.3a F.LE.1c