

FALMOUTH NAVIGATORS

SCHOOL: FMS
Content Area: Mathematics
Mathematical Focus
Grade 6: Generalizing patterns with a focus on algebra and number
Grade 7: Proportional reasoning in the context of number, similarity, algebra, measurement, probability and statistics
Grade 8: Formalizing patterns of change, relationships, and transformations.

6 week period +/-	1	2	3	4	5	6	7	8
Grade 6 Course Details	Introduction to 6th Grade Math and Variables and Patterns: Introducing Algebraic Reasoning	Number Connection: Expressing Factors and Multiples Algebraically	Comparing Quantities: Ratios, Rates and Equivalence	Bits of Rational: Extending Fraction Operations and Solving Equations		Covering and Surrounding: Two- and Three-Dimensional Measurement	Points of Rational: A Focus on Decimals and Algebraic Analysis	Data About Us: Statistics and Data analysis
Grade 7 Course Details	Shapes and Designs - Generalizing and Using Properties of Geometric Shapes	Completely Rational - A Focus on Integers	Stretching and Shrinking - Developing Proportional Reasoning in the Context of Similarity (Scale Drawings)	Comparing and Scaling - Developing Proportional Reasoning in the Context of Number (Quantity)		Moving Straight Ahead - Linear Relationships With Expressions and Equations	Filling and Wrapping - Three-Dimensional Measurement	
Grade 8 Course Details	Thinking with Mathematical Models - Linear Functions and Bivariate Data	Looking for Pythagoras - The Pythagorean Theorem and Real Numbers	Growing, Growing, Growing. Exponential Expressions and Exponential Functions, Non-Linear Functions	Flip, Spin, Slide, and Stretch: Exploring Transformations		Say It With Symbols: Reasoning with Equivalent Expressions and Equations	It's In the System: Systems of Linear Equations and Inequalities	