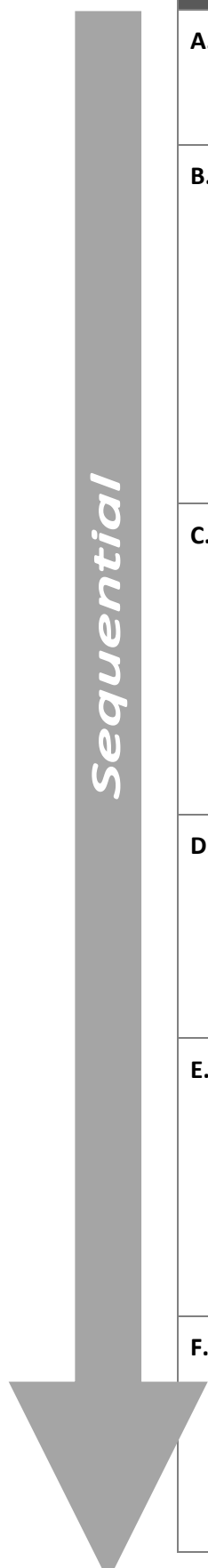


Mathematics Grade 7 Year-Long Curriculum Map

11" x 17"



Inquiry Modules	Critical Focus Areas	Student Focal Points	Sense-Making CONCEPTS Standards	Sense-Making STRATEGIES Standards	Sense-Making APPLICATION/ MODELING Standards
A. Proportional Relationships	<ul style="list-style-type: none"> Proportional Relationships 	<ol style="list-style-type: none"> Computing unit rates associated with ratios of fractions in context Representing and solving proportional relationships including scale drawings 	7.RP.2	7.RP.1, 7.G.1	7.RP.3, 7.G.1
B. Operations with Rational Numbers	<ul style="list-style-type: none"> Proportional Relationships Rational Numbers, Expressions, & Equations 	<ol style="list-style-type: none"> Understanding addition and subtraction with positive and negative rational numbers and solving problems in contextual situations Understanding multiplication and division with positive and negative rational numbers and solving problems in contextual situations Converting rational numbers to decimal form and solving problems in contextual situations 	7.NS.1	7.NS.2	7.NS.3
C. Problem Solving with Expressions, Equations, & Inequalities	<ul style="list-style-type: none"> Rational Numbers, Expressions, & Equations Scale Drawings & Geometry 	<ol style="list-style-type: none"> Using properties of operations to generate equivalent expressions Develop an understanding of the relationship between the circumference and area of a circle Creating and solving problems that involve expressions, equations, and inequalities including situations that involve a geometric context 	7.EE.2	7.EE.1 7.G.4	7.EE.3, 7.EE.4 7.G.6
D. Geometry	<ul style="list-style-type: none"> Scale Drawings & Geometry 	<ol style="list-style-type: none"> Constructing geometric shapes with given conditions Slicing prisms and pyramids and describing the resulting figures Writing and solving equations involving angles 	7.G.2, 7.G.3	7.G.5	
E. Probability	<ul style="list-style-type: none"> Statistical Inferences 	<ol style="list-style-type: none"> Understanding the ranges of probability and likelihood as well as approximating probability based on data Developing and evaluating probability models Understanding and applying various methods to find the probabilities of compound events 	7.SP.5	7.SP.8	7.SP.6, 7.SP.7
F. Statistics	<ul style="list-style-type: none"> Statistical Inferences 	<ol style="list-style-type: none"> Understanding random sampling and using it to draw inferences about a population Drawing informal comparative inferences about two populations using measures of center and variability 	7.SP.1		7.SP.2, 7.SP.3, 7.SP.4