

## Curriculum Map

Unit	Essential Questions	Standards & Skills	Common Assessments	Learning Activities	Resources/Technology
<b>Quarter: 1</b> <b>Topic: Real Numbers</b>	Rational and Irrational Numbers	8.ns.a.1	<b>Formative:</b> homework, ixl, warm-ups, learning checks, board work, group work  <b>Summative:</b> mid chapter quiz Test	Warm-up questions Notes/Examples/ Guided Practice Independent practice Delta math IXL Quizziz Edpuzzles Cooperative learning Think pair share Independent Work board work Class discussions Review work/games	Envision Mathematics Common Core book #3 EasyBridge Online Delta math Ixl Edpuzzles chromebook Projector camera Calculator Common Core workbook IAR practice assessments
	Compare Real Numbers	8.ns.a.2			
	Square Roots and Cube Roots	8.ee.a.2			
	Equations with square roots and cube roots	8.ee.a.2			
	Properties of exponents	8.ee.a.1			
	Understanding Scientific Notation	8.ee.a.3			
	Operations with scientific notation	8.ee.a.3			
<b>Quarter: 1</b> <b>Topic: Solve Linear Equations</b>	Solve 2-step equations	8.ee.c.7b	<b>Formative:</b> homework, ixl, warm-ups, learning checks, board work, group work  <b>Summative:</b> mid chapter quiz Test	Warm-up questions Notes/Examples/ Guided Practice Independent practice Delta math IXL Quizziz Edpuzzles Cooperative learning Think pair share Independent Work board work Class discussions Review work/games	Envision Mathematics Common Core book #3 EasyBridge Online Delta math Ixl Edpuzzles chromebook Projector camera Calculator Common Core workbook IAR practice assessments
	Combine like terms to solve equations	8.ee.c.7b			
	Solve equations with variable on both sides	8.ee.c.7b			
	Solve equations in context	8.ee.c.7b			
	Solve multistep equations	8.ee.c.7a			
	Equations with many or no solution	8.ee.c.7a			

<b>Quarter: 2</b> <b>Topic: Equations with 2 Variables</b>	Proportional Relationships Constant of proportionality	8.ee.b.5	<b>Formative:</b> homework, ixl, warm-ups, learning checks, board work, group work  <b>Summative:</b> mid chapter quiz Test	Warm-up questions Notes/Examples/ Guided Practice Independent practice Delta math IXL Quizziz Edpuzzles Cooperative learning Think pair share Independent Work board work Class discussions Review work/games	Envision Mathematics Common Core book #3 EasyBridge Online Delta math Ixl Edpuzzles chromebook Projector camera Calculator Common Core workbook IAR practice assessments
	Compare Proportional Relationships	8.ee.b.5			
	Proportional Relationships and Slope	8.ee.b.6			
	Analyze linear equations $y = mx$	8.ee.b.6			
	Understand the y-intercept of a line	8.ee.b.6			
	Analyze linear equations $y = mx + b$	8.ee.b.6			
<b>Quarter: 2</b> <b>Topic: Functions</b>	Understand Relations and Functions	8.f.a.1	<b>Formative:</b> homework, ixl, warm-ups, learning checks, board work, group work  <b>Summative:</b> mid chapter quiz Test	Warm-up questions Notes/Examples/ Guided Practice Independent practice Delta math IXL Quizziz Edpuzzles Cooperative learning Think pair share Independent Work board work Class discussions Review work/games	Envision Mathematics Common Core book #3 EasyBridge Online Delta math Ixl Edpuzzles chromebook Projector camera Calculator Common Core workbook IAR practice assessments
	Connect Representations and Functions	8.f.a.1			
	Compare Linear and Nonlinear Functions	8.f.a.1 8.f.a.3			
	Construct Functions to model Linear Relationships	8.f.a.2 8.f.b.4			
	Intervals of Increase and Decrease	8.f.b.5			
	Sketch Functions from Verbal Descriptions	8.f.b.5			
<b>Quarter: 3</b> <b>Data and Scatterplots</b>	Scatterplots and associations	8.sp.a.1	<b>Formative:</b> homework, ixl, warm-ups, learning checks, board work, group work  <b>Summative:</b> Scatterplot project	Warm-up questions Notes/Examples/ Guided Practice Independent practice Delta math IXL Edpuzzles Cooperative learning Think pair share Independent Work board work Class discussions Review work/games	Envision Mathematics Common Core book #3 EasyBridge Online Delta math Ixl Edpuzzles chromebook Projector camera Calculator Common Core workbook IAR practice assessments
	Trendlines and predictions	8.sp.a.2,3,4			
	Constructing linear models with scatterplots	8.sp.a.3,4			

<b>Quarter: 3</b> <b>Topic: Systems of Linear Equations</b>	Solve Linear Systems by Graphing	8.ee.c.8.a	<b>Formative:</b> homework, ixl, warm-ups, learning checks, board work, group work  <b>Summative:</b> mid chapter quiz Test	Warm-up questions Notes/Examples/ Guided Practice Independent practice Delta math IXL Quizziz Edpuzzles Cooperative learning Think pair share Independent Work board work Class discussions Review work/games	Envision Mathematics Common Core book #3 EasyBridge Online Delta math Ixl Edpuzzles chromebook Projector camera Calculator Common Core workbook IAR practice assessments
	Solve Systems by Substitution	8.ee.c.8.b,c			
	Solve Systems by Elimination	8.ee.c.8.b,c			
	Solve systems of equations in context	8.ee.c.8.c			
<b>Quarter: 3</b> <b>Angle Relationships and Triangles</b>	Angles, lines, and transversals	8.g.a.5	<b>Formative:</b> homework, ixl, warm-ups, learning checks, board work, group work  <b>Summative:</b> mid chapter quiz Test	Warm-up questions Notes/Examples/ Guided Practice Independent practice Delta math IXL Quizziz Edpuzzles Cooperative learning Think pair share Independent Work board work Class discussions Review work/games	Envision Mathematics Common Core book #3 EasyBridge Online Delta math Ixl Edpuzzles chromebook Projector camera Calculator Common Core workbook IAR practice assessments
	Interior and exterior angles of triangles	8.g.a.5			
	Angle-Angle similarity	8.g.a.5			
<b>Quarter: 4</b> <b>Pythagorean Theorem</b>	Understand the Pythagorean Thoerem	8.g.b.6,7	<b>Formative:</b> homework, ixl, warm-ups, learning checks, board work, group work  <b>Summative:</b> mid chapter quiz Test	Warm-up questions Notes/Examples/ Guided Practice Independent practice Delta math IXL Edpuzzles Cooperative learning Think pair share Independent Work board work Class discussions Review work/games	Envision Mathematics Common Core book #3 EasyBridge Online Delta math Ixl Edpuzzles chromebook Projector camera Calculator Common Core workbook IAR practice assessments
	Converse of the Pythagorean Theorem	8.g.b.6,7			
	Apply the Pythagorean Theorem	8.g.b.7,8			

<b>Quarter: 4 Congruence and Similarity</b>	Understanding Congruent Figures translations/reflections/rotations	8.g.a.1a, 1b, 1c 8.g.a.3 8.g.a.2	<b>Formative:</b> homework, ixl, warm-ups, learning checks, board work, group work  <b>Summative:</b> mid chapter quiz Test	Warm-up questions Notes/Examples/ Guided Practice Independent practice Delta math IXL Quizziz Edpuzzles Cooperative learning Think pair share Independent Work board work Class discussions Review work/games	Envision Mathematics Common Core book #3 EasyBridge Online Delta math Ixl Edpuzzles chromebook Projector camera Calculator Common Core workbook IAR practice assessments
	Dilations	8.g.a.3 8.g.a.4			
	Similar Figures	8.g.a.3 8.g.a.4			
	Measurements of Similar Figures	8.g.a.3 8.g.a.4			
<b>Quarter: 4 Two-Way Frequency Tables</b>	Interpret 2-way frequency tables	8.sp.a.4	<b>Formative:</b> homework, ixl, warm-ups, learning checks, board work, group work  <b>Summative:</b> mid chapter quiz Test	Warm-up questions Notes/Examples/ Guided Practice Independent practice Delta math IXL Quizziz Edpuzzles Cooperative learning Think pair share Independent Work board work Class discussions Review work/games	Envision Mathematics Common Core book #3 EasyBridge Online Delta math Ixl Edpuzzles chromebook Projector camera Calculator Common Core workbook IAR practice assessments
	Relative frequency	8.sp.a.4			
	Associations in relative frequency tables	8.sp.a.4			