

Grade 8 - Math Curriculum Map (Eureka Math)

Quarter	Modules	Lessons
1	Module 1: Integer Exponents and Scientific Notation	Week 1 - Lesson 1-6 - Understand exponents and the laws of exponents
		Week 2 - Lesson 7-11 - Understand and apply scientific notation
		Week 3 - Lesson 12-13 & End of Module Review and Assessment - Choose units appropriately and compare numbers in scientific notation
	Module 2: The Concept of Congruence	Week 4 - Lesson 1-4 - Translate and reflect lines and shapes
		Week 5 - Lesson 5-7 - Rotate lines and shapes - Sequence translations
		Week 6 - Lesson 8-10 - Sequence reflections, translations, and rotations
		Week 7 - Lesson 11-14 - Define and determine congruence - Determine angles given parallel lines and triangles
		Week 8 - Lesson 15-16 & End of Module Review and Assessment - Develop base knowledge of the pythagorean theorem
	2	Module 3: Similarity
Week 2 - Lesson 5-8 - Extend knowledge of dilations and scale factors		

		<ul style="list-style-type: none"> - Introduce concept of similarity
		Week 3 - Lesson 9-12 <ul style="list-style-type: none"> - Determine if figures are similar and create similar figures
		Week 4 - Lesson 13-14 & End of Module Review and Assessment <ul style="list-style-type: none"> - Extend understand and prove the pythagorean theorem
	Module 4: Linear Equations	Week 5 - Lesson 1-5 <ul style="list-style-type: none"> - Write and solve linear equations
		Week 6 - Lesson 6-10 <ul style="list-style-type: none"> - Write and solve more complex linear equations including those with no and infinite solutions - Relate proportional relationships to linear equations
		Week 7 - Lesson 11-14 & Mid Module Assessment <ul style="list-style-type: none"> - Write and solve linear equations with two variables
3	Module 4: Linear Equations (cont.)	Week 8 - Lesson 15-19 <ul style="list-style-type: none"> - Determine slope of lines and write equations for slope using $y = mx+b$ - Graph lines from equations
		Week 1 - Lesson 20-24 <ul style="list-style-type: none"> - Extend understanding of the relationship between equations and graphs
		Week 2 - Lesson 25-30 <ul style="list-style-type: none"> - Graph and solve systems of linear equations
		Week 3 - End of Module Review and Assessment
	Module 5: Examples of Functions from Geometry	Week 4 - Lesson 1-5 <ul style="list-style-type: none"> - Extend knowledge of linear functions and apply functions to real world applications
	Week 5 - Lesson 6-9	

		<ul style="list-style-type: none"> - Extend knowledge of linear functions and apply functions to real world applications
		Week 6 - Lesson 10-11 & End of Module Review and Assessment <ul style="list-style-type: none"> - Calculate volume of 3D solids using geometric functions
	Module 6: Linear Functions	Week 7 - Lesson 1-5 <ul style="list-style-type: none"> - Model linear relationships with equations and graph equations
		Week 8 - Lesson 6-11 <ul style="list-style-type: none"> - Create and interpret scatter plots - Model data with linear equations
4	Module 6: Linear Functions (cont.)	Week 1 - Lesson 13-14 & End of Module Review and Assessment <ul style="list-style-type: none"> - Analyze and interpret bivariate data
	Module 7: Introduction to Irrational Numbers Using Geometry	Week 2 - Lesson 1-4 <ul style="list-style-type: none"> - Utilize the pythagorean theorem - Understand and simplify square roots
		Week 3 - Lesson 5-8 <ul style="list-style-type: none"> - Solve equations with exponents - Understand finite and infinite decimals and the concept of long division
		Week 4 - Lesson 9-12 <ul style="list-style-type: none"> - Write decimal expansions of fractions and some irrational numbers
		Week 5 - Lesson 13-16 <ul style="list-style-type: none"> - Compare irrational numbers - Expand knowledge of the pythagorean theorem
		Week 6 - Lesson 17-20 <ul style="list-style-type: none"> - Apply the pythagorean theorem to the coordinate plane and real world applications - Calculate the volume of cones, spheres, and truncated cones

		Week 7 - Lesson 21-23 <ul style="list-style-type: none">- Calculate volume of composite solids- Apply exponents and square roots to real world problems
		Week 8 - End of Module Review and Assessment