

8th grade Math Curriculum Map

Grade 8th Content Math Teacher(s) Perry

	Time period (month? Weeks? Quarter?)	Focus Standard	Assessment	Essential Question	Resources	Differentiation
Chapter 1 Real Numbers and Review	4 Weeks Early September to early October	8.NS.1	Chapter 1 Real Numbers Test	Why is it helpful to write numbers in different ways?		
Chapter 2 Equations in One Variable	2 ½ Weeks Early October to late October	8.EE.7	Chapter two Equations in One Variable Test	What is equivalence?		
Chapter 3 Equations in Two Variables	4 ½ Weeks Late October to Late November	8.EE.6	Chapter 3 Equations in Two Variables Test	Why are graphs helpful?		

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Chapter 4 Functions	3 Weeks Late November To Mid December	8.F.1	Chapter 4 Functions Test	How can we model relationships between quantities?		
Chapter 5 Triangles and the Pythagorean Theorem	2 Weeks Early January to Mid January	8.G.5 and 8.G.6	Chapter 5 Triangles and the Pythagorean Theorem Test	How can algebraic concepts be applied to geometry?		
Chapter 6/7 Transformations , Congruence, and Similarity	4 Weeks Mid January to Early February	8.G.1	Chapter 6 Transformations Test	How can we best show or describe the change in position of a figure? How can you determine congruence and similarity?		

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Chapter 8 Volume and Surface Area	2 Weeks Mid February to Early March	8.G.9	Chapter 8 Volume and Surface Area Test	Why are formulas important in math and science?		
Chapter 9 Scatter Plots and Data Analysis	3 ½ Weeks Early March to late March	8.SP.1	Chapter 9 Scatter Plots and Data Analysis Test	How are patterns used when comparing two quantities?		
State Test Prep	2 Weeks Late March to Mid April	All	New York State Test 8th grade mathematics			
Chapter 5 continued (Pythagorean Theorem)	1 ½ Weeks Late April to Early May	8.G.7	Pythagorean Theorem quiz and/or mini project	How can we use the Pythagorean Theorem in real life?		
Project	2 Weeks	To be	Final Project/ Presentation	How can we use the concepts		

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(Financial? Career? Renovation?)	Mid May to Late May	determined based on project chosen		learned this year in a project applied to real life concepts?		
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