

VVUHSD Math Pacing Guide

Content Area: Math Grade: 8th

Textbook: California GoMath! Grade 8

Don't forget to use svmimac.org (MARS tasks). The password to get into the MARS tasks is currently **doubles22**. The password to get into the tasks is **sweet16**.

Resources: <https://ccssmathactivities.com/performance-tasks-grade-8/>

<https://www.illustrativemathematics.org/content-standards/8>

Essential Standards are the standards that need to have the most instructional time and students should be able to do tasks at a high cognitive level for those standards. GoMath! is not enough to prepare students for the CAASPP. Tasks are essential to increase student Depth of Understanding (DOK).

Quarter 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Essential Standards	Review	Review	Know and Approximate Real Numbers 8.NS.2		Radicals and Integer Exponents 8.EE.4			Proportional Relationships, lines and Equations 8.EE.5, 8.EE.6	
Supporting Standards			8.NS.1		8.EE.1, 8.EE.2, 8.EE.3				
Item(DOK) -II (Items correspond to practice test.) Get it here!			SBAC: 3(1), 5(1) * Number in parenthesis is the DOK level		SBAC: 13(2), 1(1), 4(1), 7(2)		SBAC: 28(3), 2(1), 6(2), 8(2)		
Reference Material			Module 1: Please note that the emphasis is on irrational numbers, not rational (1.3). First two lessons are review. Lesson on using tiles to approximate Lesson on differentiating between rational and irrational.	Module 2: Please note that the essential is 8.EE.4. This is the lesson on operations of scientific notation. Scientific notation is new for students, but make sure students can do operations on them before movin on. Marketing Madness Soda Task	Module 3, 4 and 5 Slope triangles were new to CCSS curriculum. Be sure to teach them. Slope Triangles Banana Shopping				

2	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Essential Standards	Proportional Relationships, lines and Equations 8.EE.5, 8.EE.6	Review	Define, Evaluate, Compare Functions. Use Functions to Model Relationships 8.F.3, 8.F.4, 8.F.5			Linear Equations & Simultaneous Equations 8.EE.8			Review
Supporting Standards						8.EE.7			
Item (DOK)			SBAC: 11(1), 14(3), 15(2), 25(3) 9(2)			SBAC: 10(2), 30(1), 23(2), 16(2), 33(2) 26(2), 18(2)			
Reference Material			Modules 5 and 6 Party US Garbage			Modules 7 and 8 (May need to review 1 and 2 step equations) The essential standard is solving systems of equations. Teach graphing first as a way to understand the concept. Then teach algebraic strategies. Squares and Circles Coupon versus Discount System of Linear Equations			
3	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Essential Standards	Congruence and Similarity 8.G.2, 8.G.4				Review	Pythagorean Theorem 8.G.6		Volume of Cylinders and Cones 8.G.9	
Supporting Standards	8.G.1, 8.G.3, 8.G.5					8.G.7, 8.G.8			
	SBAC: 12(1), 19(2), 20(2), 17(2) 27(4)					SBAC: 22(2)		SBAC: 32(2) 24(2)	
	Modules 9, 10, and 11 Transformations were new to middle school through CCSS. Check out the transum activities on this list to help students visualize the different rigid transformations. Lots of tasks from Georgia Dept. of Education Aaron's Designs Transum Transformation Activities					Module 12 Rugs Student Crime Solvers		Module 13 Glasses	

4	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Essential Standards	Investigate Patterns of Association in Bivariate Data 8.SP.1, 8.SP.4				Testing Window				
Supporting Standards	8.SP.2, 8.SP.3								
Item (DOK)	SBAC: 29(2) 21(2)								
Textbook pages	Modules 14 and 15 Bivariate Data Tasks (scroll to last pages of document)								