

1st Qtr Key Dates: 1st day of School 8/6/18. Last day of qtr. 10/5/18. 44 days total

VVUHSD Integrated Math 1 Scope & Sequence

Note: For planning purposes, not all problems need to be worked in each section/chapter. Ensure you go through the units for Carnegie in advance. Unless you have time and graphing calculators, you may want to skip the sections for programing the graphing calculators.

Useful resources: <https://emathinstruction.com/> use mostly the algebra textbook. It comes with a common core based lesson and homework. Pick and choose lessons to use in class. They are good to replace parts of Carnegie to help the students.

Tasks: <http://www.svmimac.org/mars/mars.html> Login: Username: **svmimember2** Password: **doubles22** Password to open all pdf files: **sweet16**

Week:	1	2	3	4	5	6	7	8	9	
1st Qtr/ Module	Module 0: Basics		Module 1: Searching for Patterns							
Topic	Review: Order of Operations, Rational Numbers, Integers. Establish classroom procedures... Get your books!!!		Topic 1: Quantities & Relationships		Topic 2: Sequences		Topic 3: Linear Regressions			
Lessons Standards	Carnegie is ordered by Module > Topic > Lesson For example: 1.1.1 = Module 1, Topic 1, Lesson 1		1.1.1- A Picture is Worth a Thousand Words N.Q.1, N.Q.2, A.REI.10, F.IF.1, F.IF.4 Pre Test 1.1.2- A Sort of Sorts F.IF.4 1.1.3- G of X F.IF.1, F.IF.4, F.IF.5 1.1.4- Function Families for 800 Alex F.IF.1, F.IF.4 Post Test Tasks: <ul style="list-style-type: none"> Printing Fliers (Rubric) Cricket Thermometers 		1.2.1- Is There a Pattern Here? F.IF.1, F.IF.3, F.IF.4, F.IF.5, F.BF.1a Pre Test 1.2.2- The Password is Operations F.IF.4, F.IF.5, F.BF.1a, F.BF.2 1.2.3- Did You Mean Recursion? F.IF.4, F.BF.1a, F.BF.2 1.2.4- 3 Pegs, N Discs F.IF.4, F.BF.1a, F.BF.2 Post Test Tasks: <ul style="list-style-type: none"> Apartment Numbers- (arithmetic) (Rubric) 		1.3.1 Like a Glove N.Q.3, F.BF.2, S.ID.6, S.ID.6b, S.ID.6c Pre Test 1.3.2 Gotta Keep it Correlatin' N.Q.3, S.ID.6, S.ID.6b, S.ID.6c, S.ID.7, S.ID.8, S.ID.9 1.3.3 The Residual Effect F.BF.2, S.ID.5, S.ID.6, S.ID.6a, S.ID.6b, S.ID.7, S.ID.8 1.3.4 To Fit or Not to Fit? That is the Question? N.Q.3, F.BF.1a, S.ID.5, S.ID.6, S.ID.6a, S.ID.6b Post Test Tasks:			Catch-Up Week

		<ul style="list-style-type: none">• (Rubric) Buggy Situations (Rubric)• Graphs (Rubric)	<ul style="list-style-type: none">• Honeycomb - (arithmetic) (Rubric)• Project math (geometric, be sure to look through this and pick the problems you want).• Growing Vines (Rubric) (arithmetic and geometric)	<ul style="list-style-type: none">• Snakes (Rubric)• Pizza Sales (Rubric)• Machines (Rubric)• Optional Activity (Rubric)	
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2nd Qtr Key Dates: 1st day of 2nd Qtr: 10/15/18. Last week of qtr is Monday 12/17/18 to Thursday 12/20/18 (minimum day).

Week:	1	2	3	4	5	6	7	8	9
2nd Qtr/ Module	Module 2: Exploring Constant Change								
Topic	Topic 1: Linear Functions	Topic 2: Solving Linear Equations and Inequalities	Topic 3: Systems of Equations and Inequalities	Topic 4: Shapes on a Coordinate Plane					
Lessons Standards	<p>2.1.1- Connecting the Dots F.IF.1, F.IF.2, F.IF.3, F.IF.6, F.LE.1a, F.LE.1b, F.LE.2, S.ID.6a</p> <p>Pre Test</p> <p>2.1.2- Fun With Functions, Linear Ones N.Q.1, A.SSE.1a, A.CED.1, A.REI.10, F.IF.2, F.IF.4, F.BF.3, F.LE.1b, F.LE.2, S.ID.6b</p> <p>2.1.3- Move It! F.IF.4, F.IF. 7a, F.BF.3, F.LE.1b, F.LE.2, G.GPE.5, S.ID.6a, S.ID.8</p> <p>2.1.4- Amirite F.BF.1a, G.GPE.5, S.ID.6a, S.ID.8</p> <p>2.1.5- Making a Connection N.Q.1, F.IF.9, F.BF.2, F.BF.3, G.GPE.5, S.ID.9</p> <p>Post Test</p> <p>Tasks:</p> <ul style="list-style-type: none"> • Discounting Tickets (Rubric) • Repair Rates (Rubric) • Spring Break (Rubric) 	<p>2.2.1- Strike a Balance A.CED.1, A.REI.1, A.REI.3, F.IF.2, F.IF.9, F.LE.2</p> <p>Pre Test</p> <p>2.2.2- It's Literally About Literal Equations N.Q.1, A.CED.1, A.CED.4, A.REI.1, A.REI.3, F.BF.1b</p> <p>2.2.3- Not All Statements Are Made Equal N.Q.3, A.CED.1, A.CED.3, A.CED.4, A.REI.3, F.IF.6, F.LE.2</p> <p>2.2.4- Don't Confound Your Compounds N.Q.3, A.CED.1, A.REI.3, F.IF.2, F.LE.2</p> <p>Post Test</p> <p>Tasks:</p> <ul style="list-style-type: none"> • Vacations (Rubric) • The Trip (Rubric) 	<p>2.3.1- Double the Fun A.CED.2, A.REI.3, A.REI.6, A.REI.10, A.REI.11, F.IF.7a, S.ID.6b</p> <p>Pre Test</p> <p>2.3.2- The Elimination Round A.CED.2, A.REI.5, A.REI.10, S.ID.6</p> <p>2.3.3- Throwing Shade A.CED.2, A.CED.3, A.REI.3, A.REI.6, A.REI.12, F.LE.2</p> <p>2.3.4- Working with Constraints A.CED.3, A.REI.3, A.REI.12, S.ID.6</p> <p>2.3.5- Working the System A.CED.3, A.CED.4, A.REI.6, A.REI.12, F.LE.2</p> <p>2.3.6- Take It to the Max... or Min A.CED.2, A.CED.3, A.REI.3, A.REI.6, A.REI.11, A.REI.12, F.IF.2, S.ID.6</p> <p>Post Test</p> <p>Tasks:</p> <ul style="list-style-type: none"> • Alan's Equations (Rubric) • Calculating Calculators (Rubric) • Gym Services (Rubric) 	<p>2.4.1 The Shape of Things A.CED.3, F.BF.3, G.GPE.4, G.GPE.7</p> <p>Pre Test</p> <p>2.4.2 Know it Inside Out A.CED.3, A.CED.4, G.GPE.5, G.GPE.7</p> <p>2.4.3 In All Shapes and Sizes A.CED.3, F.IF.6, G.GPE.7</p> <p>Post Test</p> <p>Tasks:</p> <ul style="list-style-type: none"> • Building a Playground (Rubric) • Go Fly a Kite (Rubric) • Water Park Project (There are nine tasks; short tasks; tasks 6, 7, and 8, you may want to give as extra credit.) 	Catch-Up/ Finals!!!				

			<ul style="list-style-type: none">• Sweatshirts (Rubric)• Bangin' Boomerangs (Rubric)		
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3rd Qtr Key Dates: First Day back 1/7/19 (teacher day), with students 1/8/19. 3rd qtr ends around 3/15/19

Week:	1	2	3	4	5	6	7	8	9
3rd Qtr/ Module	Module 3: Investigating Growth and Decay					Module 4: Describing Distributions			
Topic	Topic 1: Introduction to Exponential Functions		Topic 2: Using Exponential Equations		Topic 1: One-Variable Statistics		Topic 2: Two-Variable Statistics		
Lessons Standards	<p>3.1.1- Constant Ratios A.SSE.1a, A.REI.6, A.REI.10, F.IF.7e, F.BF.1a, F.LE.1a, F.LE.2, F.LE.5, G.GPE.7</p> <p>Pre Test</p> <p>3.1.2- To the What? A.CED.1, A.REI.3, F.IF.9, F.BF.1a, F.LE.2, F.LE.5, G.GPE.7</p> <p>3.1.3- My A, B, C, Ds A.REI.3, F.IF.4, F.IF.7e, F.BF.3, G.GPE.4</p> <p>Post Test</p> <p>Tasks:</p> <ul style="list-style-type: none"> • Representing linear and Exponential growth • Desmos.com Activity Marbleslides • Square Patterns (Rubric) 		<p>3.2.1- Downtown and Uptown A.SSE.1b, A.CED.1, A.CED.2, A.REI.1, F.IF.6, F.BF.3, F.LE.1c, F.LE.3, F.LE.5</p> <p>Pre Test</p> <p>3.2.2- The Horizontal Line and Powers A.CED.1, A.CED.2, A.REI.3, A.REI.10, A.REI.11, F.BF.1b, F.LE.3, F.LE.5</p> <p>3.2.3- Tea and Carbon Dioxide N.Q.2, A.CED.1, A.REI.12, F.BF.3, S.ID.6a</p> <p>3.2.4- BAC is BAD News N.Q.2, A.CED.1, A.REI.3, A.REI.6, S.ID.6a</p> <p>Post Test</p> <p>Tasks:</p> <ul style="list-style-type: none"> • Identifying Exponential Functions 		<p>4.1.1- Represent! F.IF.2, S.ID.1, S.ID.2, S.ID.6a</p> <p>Pre Test</p> <p>4.1.2- A Skewed Reality A.REI.3, F.LE.2, S.ID.1, S.ID.2, S.ID.3</p> <p>4.1.3- Daring to Compare A.REI.3, S.ID.1, S.ID.2, S.ID.3</p> <p>Post Test</p> <p>Tasks:</p> <ul style="list-style-type: none"> • Archery • Suzi's Company • Through the Grapevine <p>Tasks and rubrics: https://drive.google.com/drive/u/0/folders/1uKmqSRHBVICZshkoThHvz-IQ0V4Jp5_T</p>		<p>4.2.1- It Takes Two F.IF.4, S.ID.2, S.ID.3, S.ID.5</p> <p>Pre Test</p> <p>4.2.2- Relatively Speaking F.BF.3, S.ID.1, S.ID.2, S.ID.5</p> <p>4.2.3- On One Condition... or More F.BF.3, S.ID.1, S.ID.2, S.ID.5</p> <p>4.2.4- Data Jam S.ID.3, S.ID.5</p> <p>Post Test</p> <p>Tasks:</p> <ul style="list-style-type: none"> • Heart Beat (Rubric) 		

4th Qtr Key Dates: Begins approximately the week before Spring Break (3/25-3/29). Last week of School Tuesday, 5/28/18, - Thursday, 5/30/18

Week:	1	2	3	4	5	6	7	8	9	
4th Qtr/ Module	Module 5: Analyzing Geometric Functions									
Topic	Topic 1: Constructions		Topic 2: Rigid Motions on a Plane			Topic 3: Congruence Through Transformations				
Lessons Standards	<p>5.1.1- Construction Ahead G.CO.1, G.CO.12, G.CO.13, G.GPE.5, S.ID.5</p> <p>Pre Test</p> <p>5.1.2- Copycats G.CO.12, G.CO.13, G.GPE.7, S.ID.5</p> <p>5.1.3- A Regular Triangle G.CO.12, G.CO.13, S.ID.5</p> <p>Post Test</p> <ul style="list-style-type: none"> Construction Project Task <p>Tasks and rubrics: https://drive.google.com/drive/u/0/folders/1nEfzmyYiwqUUTjVw6nXFyH5oQ27EvxMs</p>		<p>5.2.1- Put Your Input In, Take Your Output Out G.CO.1, G.CO.4, G.CO.6, G.CO.12, G.GPE.5</p> <p>Pre Test</p> <p>5.2.2- Bow Thai A.REI.10, G.CO.2, G.CO.4, G.CO.5, G.CO.12</p> <p>5.2.3- Staring Back at Me A.REI.3, G.CO.2, G.CO.4, G.CO.5, G.CO.12</p> <p>5.2.4- Turn Yourself Around F.IF.6, G.CO.2, G.CO.4, G.CO.5, G.CO.12</p> <p>5.2.5- OKEECHOBEE F.IF.4, G.CO.3, G.CO.12</p> <p>Post Test</p> <p>Tasks:</p> <ul style="list-style-type: none"> Desmos.com Activity: Transformation Golf: Rigid Motion Name art project: https://reliefteachingideas.com/2013/09/01/rational-symmetry-names/ 			<p>5.3.1- The Elements G.CO.2, G.CO.3, G.CO.5, G.GPE.5</p> <p>Pre Test</p> <p>5.3.2- ASA, SAS, and SSS G.CO.5, G.CO.7, G.CO.8, G.GPE.7</p> <p>5.3.3- I Never Forget a Face F.BF.3, G.CO.3, G.CO.6, G.CO.7</p> <p>Post Test</p> <p>G.CO. 7 alternate unit with lessons, activities and assessment: https://drive.google.com/drive/u/0/folders/1ziUicJ1hWYJL3ZoJNxKYPbyWv-oUHuk -please talk to Tamara about some of the adjustments that were made to help out the IM1 regular classes.</p>				
									Catch-Up Weeks/ Finals	