



Integrated Math 2 SEMESTER 1			
Quarter 1 Module 1-6 (Interim 1 on Modules 1-5)			
UNIT	HMH MODULE (Chapter)	STANDARDS	Timeline
<b>Unit 1 Interpreting Functions</b>	1.1 Domain, Range, and End Behavior 1.2 Characteristics of Function Graphs 1.3 Inverses of Functions 2.1 Graphing Absolute Value Functions 2.2 Solving Absolute Value Equations 2.3 Solving Absolute Value Inequalities	F-IF.4 F-IF.5 F-BF.4 F-IF.7b A-REI.3.1	13 days
	Review & Testing		2 days
	3.1 Understanding Rational Exponents and Radical 3.2 Simplifying Expressions with Rational Exponents and Radicals 4.1 Understanding Polynomial Expressions 4.2 Adding Polynomial Expressions 4.3 Subtracting Polynomial Expressions 5.1 Multiplying Polynomial Expressions by Monomials 5.2 Multiplying Polynomial Expressions 5.3 Special Products of Binomials	N-RN.1 N-RN.2 A-SSE.1a A-APR.1	18 days
	Review & Test		2 days
<b>Unit 2 Building Functions</b>	6.1 Understanding Quadratic Functions 6.2 Transforming Quadratic Functions 6.3 Interpreting Vertex Form and Standard Form	F-BF.3 F-BF.4 F-IF.4 F-IF.7a A-REI.4	13 days

<b>Quarter 2</b> <b>Modules 7-13 (Potential Honors Modules - 11.2, 11.3, 13)</b>			
	7.1 Connecting Intercepts and Zeroes 7.3 Applying the Zero Product Property to Solve Equations		
	8.1 Solving Equations by Factoring 8.2 Solving Equations by Factoring $ax^2 + bx + c$ 8.3 Using Special Factors to Solve Equations 9.1 Solving Equations by Taking Square Roots 9.2 Solving Equations by Completing the Square 9.3 Using the Quadratic Formula to Solve Equations 9.4 Choosing a Method for Solving Quadratic Equations 9.5 Solving Nonlinear Systems 10.4 Modeling with Quadratic Functions 10.5 Comparing Linear, Exponential, and Quadratic Models	F-BF.1 F-IF.8a A-SSE.2 F-LE.6 A-SSE.3a A-REI.4b A-REI.4a A-REI.4b A-REI.7 A-SSE.3b N-CN.9(+)	20 days
	Review & Test		2 days
<b>Unit 3</b> <b>Quadratic</b> <b>Equations</b>	11.1 Solving Quadratic Equations by Taking Square Roots (extended) 11.2 Complex Numbers 11.3 Finding Complex Solutions of Quadratic Equations 12.1 Circles 12.2 Parabolas 13.2 Understanding Inverse Functions 13.3 Graphing Square Root Functions 13.4 Graphing Cube Root Functions	A-SSE.1 A-APR.1 F-IF.9 F-BF.4a A-REI.4 A-REI.4a A-REI.4b A-REI.7 A-SSE.2 A-SSE.3a N-CN.1 N-CN.2 N-CN.7 N-CN.8(+) F-IF.6 F-LE.3	18 days
	Review & Testing		2 days

<b>Quarter 3 Modules 14-19 (Interim 3 on Modules 14-18)</b>			
<b>Unit 4 Properties of Parallel Lines, Parallelograms, and Triangles</b>	14.1 Angles formed by Intersecting Lines 14.2 Transversals and Parallel Lines 14.3 Proving Lines are Parallel 14.4 Perpendicular Lines	G-CO.9	5 days
	15.1 Interior and Exterior Angles 15.2 Isosceles and Equilateral Triangles 15.3 Triangle Inequalities 15.4 Perpendicular Bisectors of Triangles 15.5 Angle Bisectors of Triangles 15.6 Properties of Parallelograms 15.7 Conditions for Rectangles, Rhombuses, and Squares	G-GMD.6 G-CO.10 G-CO.11 G-GPE.4	13 days
	Review & Test		2 days
<b>Unit 5 Similarity</b>	16.1 Dilations 16.2 Proving Figures are Similar Using Transformations 16.3 Corresponding Parts of Similar Triangles 16.4 AA Similarity of Triangles *** (No Two Column Proofs)	G-SRT.1a G-SRT.2 G-SRT.3	5 days
	17.1 Triangle Proportionality Theorem 17.2 Subdividing a Segment in a Given Ratio 17.3 Using Proportional Relationships 17.4 Similarity in Right Triangles	G-GPE.6 G-SRT.4 G-SRT.5	5 days
	18.1 Tangent Ratio 18.2 Sine and Cosine Ratio 18.3 Special Right Triangles 18.4 Problem Solving with Trigonometry 18.5 Using a Pythagorean Identity	G-SRT.6 G-SRT.7 G-SRT.8 G-SRT.8.1 F-TF.8	8 days
	Review & Test		2 days

<b>Unit 6 Circles</b>	19.1 Central Angles and Inscribed Angles 19.2 Angles in Inscribed Quadrilaterals 19.3 Tangents and Circumscribed Angles 19.4 Segment Relationships in Circles 19.5 Angle Relationships in Circles	G-C.1 G-C.2 G-C.3 G-C.4(+) G-C.5 G-GMD.1	17 days
<b>Quarter 4 Modules 20-24 (Potential Honors Modules - 21.4, 24)</b>			
	20.1 Justifying Circumference and Area of a Circle 20.2 Arc Length and Radian Measure 20.3 Sector Area		
	Review & Test		2 days
<b>Unit 7 Volume</b>	21.1 Volume of Prisms and Cylinders 21.2 Volume of Pyramids 21.3 Volume of Cones 21.4 Volume of Spheres 21.5 Scale Factors	G-GMD.1 G-GMD.2(+) G-GMD.3 G-GMD.5 A-CED.4	8 days
<b>Unit 8 Probability</b>	Class Rules...Getting to know students 22.1 Probability and Set Theory 22.2 Permutations and Probability 22.3 Combinations and Probability 22.4 Mutually Exclusive and Overlapping Events	S-CP.1 S-CP.9(+)	8 days
	23.1 Conditional Probability 23.2 Independent Events 23.3 Dependent Events	S-CP.2 S-CP.3 S-CP.4 S-CP.5 S-CP.6 S-CP.7 S-CP.8(+)	5 days
	24.1 Using Probability to Make Fair Decisions 24.2 Analyzing Decisions	S-MD.6(+) S-MD.7(+) S-CP.4	3 days

	Review & Testing		4 days
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Notes: F-IF.8b was covered in IM1