



Elk Grove Unified School District  
Math I, II, and III Instructional Guide  
Houghton Mifflin Harcourt Integrated Math Series  
May 2016

The document below represents the work of HS math department chairs and other department leaders. Created in May 2016, this guide utilizes knowledge gained during the first year of Math I implementation.

The goal of the guide is to provide classroom teachers and math departments with **suggestions** regarding instructional decisions for Math I, II, and III. Among the common understandings of the group are:

1. It is expected that topics marked as a priority will be taught to the depth and breadth of the CA Common Core State Standards for Math.
2. Topics marked as not a priority fall into the following two categories:
  - a. Topics have the lowest priority are highlighted in purple.
  - b. Non-highlighted topics can be taught to a depth and breadth of the teacher's/department's choosing.
3. Topics that are found in one or more textbooks in the sequence have been assigned to a particular course. These are highlighted in yellow.
4. Topics that are listed as "Not a Standard" can be taught at the teacher's/department's discretion. These are highlighted in grey.
5. Plus standards are taught in Honors courses as suggested by the CA Core Standards for Math. They are highlighted in pink.

Course	HMH Lesson	Lesson Title	Book's Claim of Standard	Priority?		Move to Other Course?			Justification:		Notes
				Yes	No	Math I	Math II	Math III	CCSS	SBAC	
Math I	1.1	Solving Equations	A-REI 1	x					x		
Math I	1.2	Modeling Quantities	N-Q 2		x						Not a Standard
Math I	1.3	Reporting with Precision Accuracy	N-Q 3		x						Not a Standard
Math I	2.1	Modeling with Expressions	A-SSE 1a		x						Not a Standard
Math I	2.2	Creating and Solving Equations	A-CED 1	x					x	m	
Math I	2.3	Solving for a Variable	A-CED 4	x					x	a/s	
Math I	2.4	Creating and Solving Inequalities	A-CED 3	x					x	m	
Math I	2.5	Creating and Solving Compound Inequalities	A-CED 1	x					x	a/s	
Math I	3.1	Graphing Relationships	F-IF 4	x					x	m	
Math I	3.2	Understanding Relations and Functions	F-IF 1	x					x	m	
Math I	3.3	Modeling with Functions	F-IF 2	x					x	m	
Math I	3.4	Graphing Functions	F-IF 1	x					x	m	
Math I	4.1	Identifying and Graphing Sequences	F-IF 3	x					x		
Math I	4.2	Constructing Arithmetic Sequence	F-LE 2	x					x	a/s	
Math I	4.3	Modeling with Arithmetic Sequence	F-BF 1a	x					x	m	
Math I	5.1	Understanding Linear Functions	F-LE 1b	x					x	m	
Math I	5.2	Using Intercepts	F-IF 7a	x					x	m	
Math I	5.3	Interpreting Rate of Change and Slope	F-IF 6	x					x	m	
Math I	6.1	Slope Intercept	F-IF 7a	x					x	m	SBAC focus is on analyzing functions using different representations
Math I	6.2	Point Slope Form	A-REI 10	x					x	m	
Math I	6.3	Standard Form	A-CED 2	x					x	m	
Math I	6.4	Transforming Linear Functions	F-BF 3		x				x		
Math I	6.5	Comparing Properties of Linear Functions	F-IF 9		x				x	a/s	
Math I	7.1	Modeling Linear Relationships	A-CED 3	x					x	a/s	
Math I	7.2	Using Functions to Solve One-Variable Equations	A-REI 11	x					x	m	
Math I	7.3	Linear Inequalities in Two Variables	A-REI 12	x					x	m	
Math I	8.1	Two Way Frequency Tables	S-ID 5	x					x	m	
Math I	8.2	Relative Frequency	S-ID 5	x					x	m	
Math I	9.1	Measures of Center and Spread	S-ID 2	x					x	m	
Math I	9.2	Data Distributions and Outliers	S-ID 1	x					x	m	
Math I	9.3	Histograms and Box Plots	S-ID 2	x					x	m	
Math I	9.4	Normal Distribution	S-ID 2		x				x	a/s	Not a Math I standard; also taught (more comprehensively) in Math III

Course	HMH Lesson	Lesson Title	Book's Claim of Standard	Priority?		Move to Other Course?			Justification:		Notes
				Yes	No	Math I	Math II	Math III	CCSS	SBAC	
Math I	10.1	Scatterplots and Trend Lines	S-ID 6c	x					x	a/s	May want to put at the end of linear functions and writing the equation of the
Math I	10.2	Fitting a Linear Model to Data	S-ID 6a		x						Also 10.1 in Math II; not a priority in either course
Math I	11.1	Solving Linear Systems by Graphing	A-REI 6	x					x	m	
Math I	11.2	Solving Linear Systems by Substitution	A-REI 6	x					x	m	
Math I	11.3	Solving Linear Systems by Adding or Subtracting	A-REI 6	x					x	m	
Math I	11.4	Solving Linear Systems by Multiplying First	A-REI 5	x					x	m	
Math I	12.1	Creating Systems of Linear Equations	A-CED 3	x					x	m	
Math I	12.2	Graphing Systems of Linear Inequalities	A-REI 12	x					x	m	
Math I	12.3	Modeling With Linear Systems	A-CED 3	x					x	a/s	
Math I	13.1	Understanding Piece-Wise Defined Functions	F-IF 7b		x						Necessary for advanced math, but does not appear anywhere else in the Math 1-3
Math I	13.2	Absolute Value Functions and Transformation	F-IF 7b				x				2.1 in Math II
Math I	13.3	Solving Absolute Value Equations	A-REI 3.1 (CA)				x		CA		2.2 in Math II
Math I	13.4	Solving Absolute Value Inequalities	A-REI 3.1 (CA)				x		CA		2.3 in Math II
Math I	14.1	Understanding Geometric Sequences	F-LE 2	x					x	a/s	
Math I	14.2	Constructing Geometric Sequences	F-BF 1a	x					x	m	
Math I	14.3	Constructing Exponential Functions	F-LE 2	x					x	a/s	
Math I	14.4	Graphing Exponential Functions	F-IF 7e	x					x	m	SBAC focus is on analyzing functions using different representations
Math I	14.5	Transforming Exponential Functions	F-BF 3	x					x		
Math I	15.1	Using Graphs and Properties to Solve Equations with Exponents	A-CED 1	x					x	a/s	
Math I	15.2	Modeling Exponential Growth and Decay	F-IF 7e	x					x	m	
Math I	15.3	Using Exponential Regression Models	S-ID 6a		x				x		Taught in other lessons/contexts
Math I	15.4	Comparing Linear and Exponential Models	F-LE 1c		x				x	a/s	This lesson addresses important skills, note that a graphing calculator is required.
Math I	16.1	Segment Length and Midpoint	G-CO 1	x					x	a/s	
Math I	16.2	Angle Measures and Angle Bisectors	G-CO 1	x					x	a/s	
Math I	16.3	Representing and Describing Transformations	G-CO 2	x					x	a/s	
Math I	16.4	Reasoning and Proof	G-CO 9	x					x	a/s	
Math I	17.1	Translations	G-CO 4	x					x	a/s	
Math I	17.2	Reflections	G-CO 4	x					x	a/s	
Math I	17.3	Rotations	G-CO 4	x					x	a/s	

Course	HMH Lesson	Lesson Title	Book's Claim of Standard	Priority?		Move to Other Course?			Justification:		Notes
				Yes	No	Math I	Math II	Math III	CCSS	SBAC	
Math I	17.4	Investigating Symmetry	G-CO 3	x					x	a/s	
Math I	18.1	Sequences of Transformations	G-CO 5	x					x	a/s	
Math I	18.2	Proving Figures are Congruent Using Rigid Motion	G-CO 6	x					x	a/s	
Math I	18.3	Corresponding Parts of Congruent Figures are Congruent	G-CO 7	x					x	a/s	
Math I	19.1	Angles Formed by Intersecting Lines	G-CO 9	x					x	a/s	Also Gr 8 - Review Vocab
Math I	19.2	Transversals and Parallel Lines	G-CO 9	x					x	m	Also Gr 8 - Review Vocab
Math I	19.3	Proving Lines are Parallel	G-CO 9	x					x	m	
Math I	19.4	Perpendicular Lines	G-CO 9	x					x	m	
Math I	19.5	Equations of Parallel and Perpendicular Lines	G-GPE 5	x					x	a/s	
Math I	20.1	Exploring What Makes Triangles Congruent	G-CO 7	x					x	a/s	Students need the vocabulary and theorems from Module 19 to succeed in Module 20
Math I	20.2	ASA Triangle Congruence	G-CO 8	x					x	a/s	
Math I	20.3	SAS Triangle Congruence	G-CO 8	x					x	a/s	
Math I	20.4	SSS Triangle Congruence	G-CO 8	x					x	a/s	
Math I	21.1	Justifying Constructions	G-CO 12		x				x	a/s	Also in 1.3 in Math III
Math I	21.2	AAS Triangle Congruence	G-SRT 5	x					x	m	
Math I	21.3	HL Triangle Congruence	G-SRT 5	x					x	m	
Math I	22.1	Interior and Exterior Angles	G-CO 10				x				15.1 in Math II (Also in Gr 8)
Math I	22.2	Isosceles and Equilateral Triangles	G-CO 10				x				15.2 in Math II (Also in Gr 8)
Math I	22.3	Triangle Inequalities	G-GM 6				x				15.3 in Math II
Math I	23.1	Perpendicular Bisectors of Triangles	G-C 3				x				15.4 in Math II
Math I	23.2	Angle Bisectors of Triangles	G-C 3				x				15.5 in Math II
Math I	23.3	Medians and Altitudes in Triangles	G-CO 10		x						Mod 23 is moved to Math II, but this section isn't repeated
Math I	23.4	Midsegments of Triangles	G-CO 10					x			2.3 in Math III
Math I	24.1	Properties of Parallelograms	G-CO 11				x		x	a/s	15.6 in Math II
Math I	24.2	Conditions for Parallelograms	G-CO 11		x				x	a/s	Mod 24 is moved to Math II, but this section isn't repeated
Math I	24.3	Properties of Rectangles, Rhombuses and Squares	G-CO 11		x		x		x	a/s	Mod 24 is moved to Math II, but this section isn't repeated
Math I	24.4	Conditions for Rectangles, Rhombuses and Squares	G-CO 11				x		x	a/s	15.7 in Math II
Math I	24.5	Properties and Conditions for Kites and Trapezoids	G-SRT 5		x						Mod 24 is moved to Math II, but this section isn't repeated

Course	HMH Lesson	Lesson Title	Book's Claim of Standard	Priority?		Move to Other Course?			Justification:		Notes
				Yes	No	Math I	Math II	Math III	CCSS	SBAC	
Math I	25.1	Slope and Parallel Lines	G-GPE 5					x	x		2.1 in Math III
Math I	25.2	Slope and Perpendicular Lines	G-GPE 5					x	x		2.2 in Math III
Math I	25.3	Coordinate Proof Using Distance With Segments and Triangles	G-GPE 4					x	x	a/s	2.3 in Math III
Math I	25.4	Coordinate Proof Using Distance With Quadrilaterals	G-CO 11					x	x	a/s	2.4 in Math III
Math I	25.5	Perimeter and Area on the Coordinate Plane	G-GPE 5					x	x	a/s	2.5 in Math III

Course	HMH Lesson	Lesson Title	Book's Claim of Standard	Priority?		Move to Other Course?			Justification:		Notes
				Yes	No	Math I	Math II	Math III	CCSS	SBAC	
Math II	1.1	Domain, Range and End Behavior	F-IF 5	x					x	m	This lesson does not address the standard as it is written, but addresses important skills for later topics in math
Math II	1.2	Characteristics of Function Graphs	F-IF 4	x					x	m	
Math II	1.3	Inverses of Functions	F-BF 4					x	x		5.2 in Math III.
Math II	2.1	Graphing Absolute Value Functions	F-IF 7b	x					x	m	
Math II	2.2	Solving Absolute Value Equations	A-REI 3.1	x					CA		
Math II	2.3	Solving Absolute Value Inequalities	A-REI 3.1	x					CA		
Math II	3.1	Understanding Rational Exponents and Radicals	N-RN 1	x					x	a/s	
Math II	3.2	Simplifying Expressions With Rational Exponents and	N-RN 2	x					x	a/s	
Math II	4.1	Understanding Polynomial Expressions	A-SSE 1a		x						Incorporate the vocabulary from this lesson in 4.2 and 4.3 if you choose to eliminate this section.
Math II	4.2	Adding Polynomial Expressions	A-APR 1	x					x	m	
Math II	4.3	Subtracting Polynomial Expressions	A-APR 1	x					x	m	
Math II	5.1	Multiplying Polynomial Expressions by Monomials	A-APR 1	x					x	m	
Math II	5.2	Multiplying Polynomial Expressions	A-APR 1	x					x	m	
Math II	5.3	Special Products With Binomials	A-APR 1	x					x	m	
Math II	6.1	Understanding Quadratic Functions	F-BF 3	x					x	m	
Math II	6.2	Transforming Quadratic Functions	F-BF 3	x					x	m	
Math II	6.3	Interpreting Vertex Form and Standard Form	F-IF 4	x					x	m	
Math II	7.1	Connecting Intercepts and Zeros	F-IF 7a	x					x	a/s	
Math II	7.2	Connecting Intercepts and Linear Factors	A-APR 3	x					x	a/s	Module 7 has flexibility to be taught all together instead of in individual sections
Math II	7.3	Applying the Zero Product Property to Solve Equations	A-REI 4	x						a/s	
Math II	8.1	Solving Equations by Factoring $x^2 + bx + c$	A-SSE 2	x					x	m	
Math II	8.2	Solve Equations by Factoring $ax^2 + bx + c$	F-LE 6	x					x	m	
Math II	8.3	Using Special Factors to Solve Equations	A-SSE 3a	x					x	m	
Math II	9.1	Solving Equations by Taking Square Roots	A-REI 4b	x					x	m	
Math II	9.2	Solving Equations by Completing the Square	A-SSE 3b	x					x	m	
Math II	9.3	Using Quadratic Formula to Solve Equations	A-REI 4a	x					x	m	
Math II	9.4	Choosing a Method for Quadratic Equations	A-REI 4b	x					x	m	
Math II	9.5	solving non-linear systems	A-REI 7	x					x	m	
Math II	10.1	Fitting a Linear Model to Data	S-ID 6b		x						course

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				Yes	No	Math I	Math II	Math III	CCSS	SBAC	
Math II	10.2	Graphing Exponential Functions	F-IF 7e			x				m	14.4 in Math I. SBAC focus is on analyzing functions using different representations.
Math II	10.3	Modeling Exponential Growth and Decay	F-IF 7e			x				m	15.2 in Math I. SBAC focus is on analyzing functions using different representations.
Math II	10.4	Modeling with Quadratic Functions	A-CED 2		x						This lesson does not address the standard as it is written, but addresses important
Math II	10.5	Comparing Linear, Exponential, and Quadratic Models	F-LE 1b		x					a/s	This lesson does not address the standard as it is written, but addresses important
Math II	11.1	Solving Quadratic Equations by Taking Square Roots	N-CN 1	x					x	a/s	
Math II	11.2	Complex Numbers	N-CN 2	x					x	a/s	
Math II	11.3	Finding Complex Solutions of Quadratic Equations	N-CN 7	x					x	a/s	
Math II	12.1	Circles (Equations of)	G-GPE 3.1					x			26.1 in Math III
Math II	12.2	Parabolas	G-GPE 3.1					x		m	26.2 in Math III
Math II	12.3	Solving Linear-Quadratic Systems	A-REI 7		x						
Math II	13.1	Graphing Polynomial Functions	F-IF 7c		x					m	SBAC focus is on analyzing functions using different representations. This standard is not in the frameworks for Math II, but is in the frameworks for Math III. This lesson relates to lesson 5.4 in the Math III
Math II	13.2	Understanding Inverse Functions	F-BF 4a		x				x		This concept is taught in greater depth in Math III. This lesson closely mirrors 5.2 in Math III (or 1.3 in Math II) with the addition of using inverse functions for modeling.
Math II	13.3	Graphing Square Root Functions	F-IF 7b		x				x	m	SBAC focus is on analyzing functions using different representations. This topic is addressed again in Math III at a greater difficulty level; omit if necessary.
Math II	13.4	Graphing Cube Root Functions	F-IF 7b		x				x	m	SBAC focus is on analyzing functions using different representations. This topic is addressed again in Math III at a greater difficulty level; omit if necessary.
Math II	14.1	Angles Formed by Intersecting Lines	G-CO 9			x					19.1 in Math I
Math II	14.2	Transversals and Parallel Lines	G-CO 9			x					19.2 in Math I

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				Yes	No	Math I	Math II	Math III	CCSS	SBAC	
Math II	14.3	Proving Lines are Parallel	G-CO 9			x					19.3 in Math I
Math II	14.4	Perpendicular Lines	G-CO 9			x					19.4 in Math I
Math II	15.1	Interior and Exterior Angles	G-CO 10	x					x	a/s	Introduced in Grade 8
Math II	15.2	Isosceles and Equilateral Triangles	G-CO 10	x					x	a/s	
Math II	15.3	Triangle Inequalities	G-GMD 6	x					x	a/s	
Math II	15.4	Perpendicular Bisectors of Triangles	G-C 3		x				x	a/s	
Math II	15.5	Angle Bisectors of Triangles	G-C 3		x				x	a/s	
Math II	15.6	Properties of Parallelograms	G-CO 11	x					x	a/s	
Math II	15.7	Conditions for Rectangles, Rhombuses, and Squares	G-CO 11	x					x	a/s	
Math II	16.1	Dilations	G-SRT 1	x					x	a/s	
Math II	16.2	Proving Figures are Similar Using Transformations	G-SRT 2	x					x	a/s	
Math II	16.3	Corresponding Parts of Similar Figures	G-SRT 2	x					x	a/s	
Math II	16.4	AA Similarity of Triangles	G-SRT 3	x					x	a/s	
Math II	17.1	Triangle Proportionality Theorem	G-SRT 4	x					x	a/s	
Math II	17.2	Subdividing a Segment in a Given Ratio	G-GPE 6	x					x	a/s	
Math II	17.3	Using Proportional Relationships	G-SRT 5	x					x	a/s	
Math II	17.4	Similarity in Right Triangles	G-SRT 4	x					x	a/s	
Math II	18.1	Tangent Ratio	G-SRT 6	x					x	m	
Math II	18.2	Sine and Cosine Ratios	G-SRT 6	x					x		
Math II	18.3	Special Right Triangles	G-SRT 8.1	x					x	m	
Math II	18.4	Problem Solving with Trigonometry	G-SRT 8	x					x	m	
Math II	18.5	Using a Pythagorean Identity	F-TF 8					x	x		18.3 in Math III
Math II	19.1	Central Angles and Inscribed Angles	G-C 2	x					x	a/s	
Math II	19.2	Angles in Inscribed Quadrilaterals	G-C 3	x					x	a/s	
Math II	19.3	Tangents and Circumscribed Angles	G-C 2	x					x	a/s	
Math II	19.4	Segment Relationships in Circles	G-C 2	x					x	a/s	
Math II	19.5	Angle Relationships in Circles	G-C 2	x					x	a/s	
Math II	20.1	Justifying Circumference and Area of a Circle	G-GMD 1	x					x	m	
Math II	20.2	Arc Length and Radian Measure	G-C 1	x					x	a/s	
Math II	20.3	Sector Areas	G-C 5	x					x	a/s	
Math II	21.1	Volume of Prisms and Cylinders	G-GMD 1	x					x	m	
Math II	21.2	Volume of Pyramids	G-GMD 1	x					x	m	
Math II	21.3	Volume of Cones	G-GMD 1	x					x	m	
Math II	21.4	Volume of Spheres	G-GMD 2	x					x	m	
Math II	21.5	Scale Factor	G-GMD 5	x					x	a/s	



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				Yes	No	Math I	Math II	Math III	CCSS	SBAC	
Math II	22.1	Probability and Set Theory	S-CP 1	x					x	a/s	
Math II	22.4	Mutually Exclusive and Overlapping Events	S-CP 4	x					x	a/s	
Math II	23.1	Conditional Probability	S-CP 4	x					x	a/s	
Math II	23.2	Independent Events	S-CP 2	x					x	a/s	
Math II	22.2 (+)	Permutations and Probability	S-CP 9								Taught in Honors Math II
Math II	22.3 (+)	Combinations and Probability	S-CP 9								Taught in Honors Math II
Math II	23.3 (+)	Dependent Events	S-CP 8								Taught in Honors Math II
Math II	24.1 (+)	Using Probability to Make Fair Decisions	S-MD 6								Taught in Honors Math II
Math II	24.2 (+)	Analyzing Decisions	S-CP 4								Taught in Honors Math II

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				Yes	No	Math I	Math II	Math III	CCSS	SBAC	
Math III	1.1	Proving Lines are Parallel	G-CO 9								19.3 in Math I Review if necessary
Math III	1.2	Perpendicular Lines	G-CO 9								19.4 in Math I Review if necessary
Math III	1.3	Justifying Constructions	G-CO 12								21.1 in Math I Review if necessary
Math III	1.4	Properties of Parallelograms	G-CO 11								15.6 in Math II Review if necessary
Math III	2.1	Slope and Parallel Lines	G-GPE 5	x					x		
Math III	2.2	Slope and Perpendicular Lines	G-GPE 5	x					x		
Math III	2.3	Coordinate Proof Using Distance with Segments and Triangles	G-GPE 4	x					x	a/s	
Math III	2.4	Coordinate Proof Using Distance with Quadrilaterals	G-CO 11	x					x	a/s	
Math III	2.5	Perimeter and Area on the Coordinate Plane	G-GPE 7	x					x		
Math III	2.6	Subdividing a Segment in a Given Ratio	G-GPE 6				x				17.2 in Math II
Math III	3.1	Cross Sections and Solids of Rotations	G-GMD 4	x					x	a/s	
Math III	3.2	Surface Area of Prisms and Cylinders	G-MG 1		x				x	No	Very loose connection between surface area and the standards
Math III	3.3	Surface Area of Pyramids and Cones	G-MG 1		x				x	No	Very loose connection between surface area and the standards
Math III	3.4	Surface Area of Spheres	G-MG 1		x				x	No	Very loose connection between surface area and the standards
Math III	4.1	Scale Factor	G-GMD 5				x				21.5 in Math II
Math III	4.2	Modeling and Density	G-MG 1	x					x	m	
Math III	4.3	Problem Solving With Constraints	G-MG 1	x					x	m	
Math III	5.1	Transformations of Function Graphs	F-BF 3		x				x		
Math III	5.2	Inverses of Functions	F-BF 4	x					x		
Math III	5.3	Graphing Cubic Functions	F-BF 3	x					x	m	
Math III	5.4	Graphing Polynomial Functions	F-IF 7c	x					x	m	SBAC focus is on analyzing functions using different representations
Math III	6.1	Adding and Subtracting Polynomials	A-APR 1	x					x	m	
Math III	6.2	Multiplying Polynomials	A-APR 1	x					x	m	
Math III	6.4	Factoring Polynomials	A-SSE 2	x					x	m	
Math III	6.5	Dividing Polynomials	A-APR 6	x					x	a/s	
Math III	7.1	Finding Rational Solutions of Polynomial Equations	A-APR 2	x					x	m	

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				Yes	No	Math I	Math II	Math III	CCSS	SBAC	
Math III	9.3	Solving Rational Expressions	A-REI 2	x					x	m	
Math III	10.1	Inverses of Simple Quadratic and Cubic Functions	F-BF 4	x					x		
Math III	10.2	Graphing Square Root Functions	F-IF 7b	x					x	m	SBAC focus is on analyzing functions using different representations
Math III	10.3	Graphing Cube Root Functions	F-IF 7b	x					x	m	SBAC focus is on analyzing functions using different representations
Math III	11.1	Radical Expression and Rational Exponents	N-NR 1	x					x	a/s	
Math III	11.2	Simplifying Radical Expressions	N-NR 2	x					x	a/s	
Math III	11.3	Solving Radical Equations	A-REI 2	x					x	m	
Math III	12.1	Arithmetic Sequences	F-BF 2	x					x	m	
Math III	12.2	Geometric Sequences	F-BF 2	x					x	m	
Math III	12.3	Geometric Series	A-SSE 4	x					x	a/s	
Math III	13.1	Exponential Growth Functions	F-BF 3	x					x	m	
Math III	13.2	Exponential Decay Functions	F-BF 3	x					x	m	
Math III	13.3	The Base e	F-BF 3	x					x	m	
Math III	13.4	Compound Interest	F-LE 2	x					x		
Math III	14.1	Fitting Exponential Functions to Data	S-ID 6a		x						This lesson addresses this standard at a very rigorous level. In Math I this standard is taught for linear functions.
Math III	14.2	Choosing Among Linear, Quadratic and Exponential Models	S-ID 6a		x						Non-priority as a stand alone if 14.1 is not
Math III	15.1	Defining and Evaluating and Logarithmic Function	F-BF 5	x							
Math III	15.2	Graphing Logarithmic functions	F-BF 3	x					x		
Math III	16.1	Properties of Logs	F-LE 4.1	x					x		
Math III	16.2	Solving Exponential Equations	F-LE 4.2	x					x		
Math III	17.1	Problem Solving with Trigonometry	G-SRT 8				x				18.4 in Math II
Math III	18.1	Angles of Rotation and Radian Measure	F-TF 1		x				x		
Math III	18.2	Defining and Evaluating the Basic Trigonometric Functions	F-TF 2		x				x		
Math III	18.3	Using a Pythagorean Identity	F-TF 8		x				x		
Math III	19.1	Stretching, Compression and Reflecting Sine and Cosine Graphs	F-TF 2.1		x				x		
Math III	19.2	Stretching, Compression and Reflecting Tangents Graphs	F-TF 2.1		x				x		
Math III	19.3	Translating Trigonometric Graphs	F-IF 7e		x				x	a/s	This is included in the pre-cal standards.
Math III	19.4	Fitting Sine Functions to Data	F-TF 5		x				x		
Math III	20.1	Data Gathering Techniques	S-IC 1	x					x	a/s	
Math III	20.2	Shape, Center and Spread	S-ID 4	x					x	m	

Course	HMH Lesson	Lesson Title	Book's Claim of Standard	Priority?		Move to Other Course?			Justification:		Notes
				Yes	No	Math I	Math II	Math III	CCSS	SBAC	
Math III	21.1	Probability Distributions	S-IC 2	x					x	a/s	
Math III	21.2	Normal Distributions	S-ID 4	x					x	a/s	
Math III	21.3	Sampling Distributions	S-IC4		x				x		Addresses standard at an AP stats level
Math III	22.1	Confidence Intervals and Margins of Error	S-IC 4		x				x		Addresses standard at an AP stats level
Math III	22.2	Surveys, Experiments and Observational Studies	S-IC 3		x				x		Addresses standard at an AP stats level
Math III	22.3	Determining the Significance of Experimental Results	S-IC 3		x				x		Addresses standard at an AP stats level
Math III	24.1	Central Angles and Inscribed Angles	G-C 2				x				19.1 in Math II
Math III	24.2	Angles in Inscribed Quadrilaterals	G-C 3				x				19.2 in Math II
Math III	24.3	Tangents and Circumscribed Angles	G-C 2				x				19.3 in Math II
Math III	24.4	Segment Relationships in Circles	G-C 2				x				19.4 in Math II
Math III	24.5	Angle Relationships in Circles	G-C 2				x				19.5 in Math II
Math III	25.1	Justifying Circumference and Area of a Circle	G-GMD 1				x				20.1 in Math II
Math III	25.2	Arc Length and Radian Measure	G-C 1				x				20.2 in Math II
Math III	25.3	Sector Areas	G-C 5				x				20.3 in Math II
Math III	26.1	Equation of a Circle	G-GPE 3.1	x					x	a/s	
Math III	26.2	Equation of a Parabola	G-GPE 2	x					x	a/s	
Math III	26.3	Solving Linear-Quadratic Systems	A-REI 7		x				x		
Math III	17.2 (+)	Law of Sines	G-SRT 10								Taught in Honors Math II
Math III	17.3 (+)	Law of Cosines	G-SRT 10								Taught in Honors Math II
Math III	23.1 (+)	Using Probability to Make Fair Decisions	S-CP 4								Taught in Honors Math II
Math III	23.2 (+)	Analyzing Decisions	S-CP 2								Taught in Honors Math II
Math III	6.3 (+)	Binomial Theorem	A-APR 5								Taught in Honors Math II
Math III	7.2 (+)	Finding Complex Solutions of Polynomial Equations	A-APR 2								Taught in Honors Math II
Math III	8.1 (+)	Graphing Simple Rational Functions	F-IF 7d								Taught in Honors Math II SBAC focus is on analyzing functions using different representations
Math III	8.2 (+)	Graphing More Complicated Rational Functions	F-IF 7d								Taught in Honors Math II SBAC focus is on analyzing functions using different representations
Math III	9.1 (+)	Adding and Subtracting Rational Expressions	A-APR 7								Taught in Honors Math II
Math III	9.2 (+)	Multiplying and Dividing Rational Expression	A-APR 7								Taught in Honors Math II