

Please Note:

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Publisher Resource:

HMH (Holt McDougal) - My.hrw.com

Username: SJCSD55FLs#####

Password: First initial + last initial + the student birthday in MMDDYYYY format (initials must be in CAPS)

Other Course Supplemental Resources:

[Math Nation](#) (use student Active Directory)

[Study Island](#) (use student Active Directory)

[IXL Math – High School Standards](#)

FSA Practice: (Please Note: these links work best in Firefox or Chrome)

[FSA Portal](#)

[FSA Scientific Calculator](#)

[Equation Editor Item Tutorial](#)

[PARCC](#)

[Smarter Balanced Portal](#)

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 14	1 8/10 - 8/12	Unit 1 Sequences and Series <ul style="list-style-type: none"> Chapter 9 Sequences and Series Lesson 9.1 Introduction to Sequences 	Lesson 9.1 Khan Academy
	2 8/15 – 8/19	Unit 1 Sequences and Series <ul style="list-style-type: none"> Chapter 9 Sequences and Series Lesson 9.2 Series and Summation Notation Lesson 9.3 Arithmetic Sequences and Series Assessment 	Lesson 9.2 Khan Academy Lesson 9.3 Khan Academy
	3 8/22 – 8/26	Unit 1 Sequences and Series <ul style="list-style-type: none"> Chapter 9 Sequences and Series Lesson 9.4 Geometric Sequences and Series Lesson 9.5 Mathematical Induction & Infinite Geometric Sequence Assessment 	Lesson 9.4 Khan Academy Lesson 9.5 Khan Academy
	4 8/29 – 9/2	Unit 2 Linear Unit <ul style="list-style-type: none"> Supplemental Lesson Rate of Change/Slope & Writing Linear Equations Review Chapter 6 Properties and Attributes of Functions Lesson 6.3 Piecewise Functions Chapter 1 Foundations of Functions Lesson 1.2 Parent Functions Supplemental Lesson Absolute Value Parent Function Supplemental Lesson Graphing Linear and Absolute Value Inequalities Assessment 	Rate of Change Khan Academy Linear Equations Khan Academy Lesson 6.3 Khan Academy Lesson 1.2 Virtual Nerd Absolute Value Khan Academy Graphing Linear and Absolute Value Inequalities Khan Academy
	5 9/6 – 9/9	Unit 2 Linear Unit <ul style="list-style-type: none"> Supplemental Lesson Solving Systems of Equations Graphically and Algebraically 	Solving Systems of Equations Graphically Khan Academy Solving Systems of Equations Algebraically Khan Academy
	6 9/12 – 9/16	Unit 2 Linear Unit <ul style="list-style-type: none"> Supplemental Lesson Solving Systems of Inequalities Supplemental Lesson Solving Systems of Equations in Three Variables 	Solving Systems of Equations in Three Variables Khan Academy
	7 9/19 – 9/23	<ul style="list-style-type: none"> Unit 2 Assessment Unit 3 Quadratic Functions <ul style="list-style-type: none"> Chapter 2 Quadratic Functions Lesson 2.1 Using Transformations to Graph Quadratic Functions Lesson 2.2 Properties of Quadratic Functions in Standard Form Lesson 2.3 Solving Quadratic Equations by Graphing and Factoring 	Lesson 2.1 Youtube Lesson 2.2 Khan Academy Lesson 2.3 Khan Academy

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Algebra 2

2016 – 2017

8 9/26 – 9/30	Unit 3 Quadratic Functions <ul style="list-style-type: none"> • Lesson 2.3 Solving Quadratic Equations by Graphing and Factoring • Lesson 2.4 Completing the Square • Assessment 	Lesson 2.3 Khan Academy Lesson 2.4 Khan Academy
9 10/3 – 10/7	Unit 3 Quadratic Functions <ul style="list-style-type: none"> • Chapter 2 Quadratic Functions • Lesson 2.5 Complex Numbers and Roots • Lesson 2.6 The Quadratic Formula • Assessment 	Lesson 2.5 Khan Academy Lesson 2.6 Khan Academy
10 10/10 – 10/14	<ul style="list-style-type: none"> • Lesson 2.7 Solving Quadratic Inequalities • Lesson 2.9 Operations with Complex Numbers 	Lesson 2.7 Khan Academy Lesson 2.9 Khan Academy

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Quarter 2 Oct 18 – Dec 21	1 10/18 – 10/21	<ul style="list-style-type: none"> • Chapter 12 Conic Sections • Lesson 12.7 Solving Non-Linear Systems • Lesson 12.5 Parabolas (Focus and Directrix) • Assessment 	Lesson 12.7 Khan Academy Lesson 12.5 Khan Academy
	2 10/24 – 10/28	Unit 4 Polynomial Functions <ul style="list-style-type: none"> • Chapter 3 Polynomial Functions • Lesson 3.1 Polynomials • Lesson 3.2 Multiplying Polynomials • Lesson 3.3 Dividing Polynomials 	Lesson 3.1 Khan Academy Lesson 3.2 Khan Academy Lesson 3.3 Khan Academy
	3 10/31 – 11/4	<ul style="list-style-type: none"> • Chapter 3 Polynomial Functions • Lesson 3.4 Factoring Polynomials • Lesson 3.5 Finding Real Roots of Polynomial Equations 	Lesson 3.4 Khan Academy Lesson 3.5 Youtube
	4 11/7 – 11/10	Unit 4 Polynomial Functions <ul style="list-style-type: none"> • Chapter 3 Polynomial Functions • Lesson 3.7 Investigating Graphs of Polynomial Functions • Assessment 	Lesson 3.7 Khan Academy
	5 11/14 – 11/18	Unit 5 Rational Functions <ul style="list-style-type: none"> • Chapter 5 Rational and Radical Functions • Lesson 5.1 Variation Functions • Lesson 5.2 Multiplying and Dividing Rational Expressions • Lesson 5.3 Adding and Subtracting Rational Expressions 	Lesson 5.1 Khan Academy Lesson 5.2 Khan Academy Lesson 5.3 Khan Academy
	6 11/21 – 11/22	Unit 5 Rational Functions <ul style="list-style-type: none"> • Lesson 5.4 Rational Functions 	Lesson 5.4 Khan Academy
	7 11/28 – 12/2	Unit 5 Rational Functions <ul style="list-style-type: none"> • Lesson 5.4 Rational Functions • Lesson 5.5 Solving Rational Equations and Inequalities • Lesson 5.6 Radical Expressions and Rational Exponents 	Lesson 5.4 Khan Academy Lesson 5.5 Khan Academy Lesson 5.6 Khan Academy
	8 12/5 – 12/9	<ul style="list-style-type: none"> • Assessment Unit 6 Radical Functions <ul style="list-style-type: none"> • Chapter 6 Properties and Attributes of Functions • Lesson 6.5 Operations with Functions • Lesson 6.4 Transforming Functions 	Lesson 6.5 Youtube Lesson 6.4 Youtube
	9 12/12 – 12/16	<ul style="list-style-type: none"> • Lesson 6.6 Functions and Their Inverses • Assessment 	Lesson 6.6 Khan Academy
	10 12/19 – 12/21	<ul style="list-style-type: none"> • District Exams 	

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Quarter 3 Jan 5 – Mar 10	1 1/5 – 1/6	Unit 6 Radical Functions <ul style="list-style-type: none"> • Chapter 5 Rational and Radical Functions • Lesson 5.7 Radical Functions 	Lesson 5.7 Khan Academy
	2 1/9 – 1/13	Unit 6 Radical Functions <ul style="list-style-type: none"> • Chapter 5 Rational and Radical Functions • Lesson 5.8 Solving Radical Equations • Assessment 	Lesson 5.8 Khan Academy
	3 1/17 – 1/20	Unit 7 Exponential and Logarithmic Functions <ul style="list-style-type: none"> • Chapter 4 Exponential and Logarithmic Functions • Lesson 4.1 Exponential Functions, Growth and Decay • Lesson 4.2 Inverses of Relations and Functions 	Lesson 4.1 Khan Academy Lesson 4.2 Khan Academy
	4 1/23 – 1/27	Unit 7 Exponential and Logarithmic Functions <ul style="list-style-type: none"> • Chapter 4 Exponential and Logarithmic Functions • Lesson 4.3 Logarithmic Functions • Lesson 4.4 Properties of Logarithms • Assessment 	Lesson 4.3 Khan Academy Lesson 4.4 Khan Academy
	5 1/30 – 2/3	Unit 7 Exponential and Logarithmic Functions <ul style="list-style-type: none"> • Chapter 4 Exponential and Logarithmic Functions • Lesson 4.5 Exponential and Logarithmic Equations • Lesson 4.6 The Natural Base, e • Lesson 4.7 Transforming Exponential and Logarithmic Functions 	Lesson 4.5 Khan Academy Lesson 4.6 Khan Academy Lesson 4.7 Youtube
	6 2/6 – 2/10	Unit 7 Exponential and Logarithmic Functions <ul style="list-style-type: none"> • Assessment Unit 8 Probability <ul style="list-style-type: none"> • Chapter 7 Probability • Lesson 7.1 Permutations and Combinations • Lesson 7.2 Theoretical and Experimental Probability 	Lesson 7.1 Khan Academy Lesson 7.2 Khan Academy
	7 2/13 – 2/16	Unit 8 Probability <ul style="list-style-type: none"> • Chapter 7 Probability • Lesson 7.3 Independent and Dependent Events • Lesson 7.4 Two-Way Tables 	Lesson 7.3 Khan Academy Lesson 7.4 Khan Academy
	8 2/21 – 2/24	Unit 8 Probability <ul style="list-style-type: none"> • Chapter 7 Probability • Lesson 7.5 Compound Events • Assessment 	Lesson 7.5 Khan Academy

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	9 2/27 – 3/3	Unit 9 Data Analysis and Statistics <ul style="list-style-type: none"> • Chapter 8 Data Analysis and Statistics • Lesson 8.1 Measures of Central Tendency and Variation • Lesson 8.2 Data Gathering • Lesson 8.3 Surveys, Experiments, and Observational Studies • Extension on Normal Distributions (p.594) 	Lesson 8.1 Khan Academy Lesson 8.2 Khan Academy Lesson 8.3 Youtube
	10 3/6 – 3/10	Unit 9 Data Analysis and Statistics <ul style="list-style-type: none"> • Chapter 8 Data Analysis and Statistics • Lesson 8.7 Fitting to a Normal Distribution • Assessment 	Lesson 8.7 Khan Academy

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Quarter 4 Mar 21 – May 24	1 3/12 – 3/24	Unit 10 Trigonometric Functions <ul style="list-style-type: none"> • Chapter 10 Trigonometric Functions • Lesson 10.1 Right-Angle Trigonometry • Lesson 10.2 Angles of Rotation 	Lesson 10.1 Khan Academy Lesson 10.2 Khan Academy
	2 3/27 – 3/31	Unit 10 Trigonometric Functions <ul style="list-style-type: none"> • Chapter 10 Trigonometric Functions • Lesson 10.3 The Unit Circle • Assessment 	Lesson 10.3 Khan Academy
	3 4/3 – 4/7	Unit 10 Trigonometric Functions <ul style="list-style-type: none"> • Chapter 11 Trigonometric Graphs and Identities • Lesson 11.1 Graphs of Sine and Cosine • Lesson 11.3 Graphs of Other Trigonometric Functions (ONLY - Pythagorean Identity) 	Lesson 11.1 Khan Academy Lesson 11.3 Khan Academy
	4 4/10 – 4/13	Unit 10 Trigonometric Functions <ul style="list-style-type: none"> • Assessment • Standards Based Performance Tasks 	
	5 4/17 – 4/21	<ul style="list-style-type: none"> • Standards Based Performance Tasks 	
	6 4/24 – 4/28	<ul style="list-style-type: none"> • Standards Based Performance Tasks 	
	7 5/1 – 5/5	<ul style="list-style-type: none"> • Standards Based Performance Tasks 	
	8 5/8 – 5/12	<ul style="list-style-type: none"> • Standards Based Performance Tasks • Course Review 	
	9 5/15 – 5/19	<ul style="list-style-type: none"> • Course Review • Final Exams 	
	10 5/22 – 5/24	<ul style="list-style-type: none"> • Final Exams 	

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