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Publisher Resource:

Other Course Supplemental Resources:

FoolProof The program that teaches you about money, financial responsibility and the realities of advertising and the free enterprise system.

Algebra 1 (Khan Academy)

Finance and Capital Markets (Khan Academy)

Algebra 2 - Khan Academy

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Financial Algebra

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 12	1 8/10	• Budget : Part 1	Set up your "Future"

	2
	8/13 – 8/17
		• Module 8 : Episode 1
		
		• Linear Equations
		  Interpret Slope/Intercept through word problems
		    Understanding Domain/Constraints as it relates to real situations
		•
			Foolproofme.com
			Introduction to **FoolProof Module 8**: Burning Money. Go through Episode 1 and begin the 7 day "Spending Journal" with the students.
			
			Linear equations word problems: earnings - Khan Academy
			
			Decisions within a budget constraint - Khan Academy

	3 8/20 – 8/24	• Quadratic Equations Characteristics of Graphs of Quadratics as it relates to real-world interpretations – i.e. max/min, y-intercept, etc. • Proportions as it relates to applications of cost analysis including percent.	Zeros of polynomials & their graphs - Khan Academy Solving percent problems - Khan Academy
	4 8/27 – 8/31	• Module 8: Episode 2 • Absolute Value Equations Understanding absolute change relating to values • Understanding percent increase/decrease in an absolute sense.	**Foolproofme.com** Interpreting absolute value - Khan Academy Growing by a percentage - Khan Academy
	5 9/3 – 9/7	• Module 8: Episodes 3 & 4	**Foolproofme.com** Students will complete the Episodes online. Episodes 1-4 **Comprehensive Test**.

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	Week	Topics	Possible Resources
	6 9/10 – 9/14	• Inequalities • Systems of Equations One and two variable linear equations and systems of equations. Developing systems to model cost/benefit analysis	[Inequalities word problems - Khan Academy](#) [System of equations - Khan Academy](#)
	7 9/17 – 9/21	• Literal Equations • Exponential Equations Basic form of exponential as applied to finances – compound interest.	[Solving an equation for a variable - Khan Academy](#) [Exponential growth & decay word problems - Khan Academy](#) [Exponential expressions word problems (numerical) - Khan Academy](#)
	8 9/24 – 9/28	• Review and Test - Mathematical concepts – writing and analyzing characteristics of equations. • Module 9: Rent • Module 10: Buy Home	**Foolproofme.com** Complete Module 9 **including test** Complete Module 10 **including test**
	9 10/1 – 10/5	• Practical Money Skills-Lesson 11: Savvy Spending • Budget Project	[Lesson 11: Savvy Spending: Sharpening Money Decisions - Practical Money Skills](#)
	10 10/8 – 10/12	• Expected Value	[Expected value - Khan Academy](#)

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	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Oct 16 – Dec 21	1 10/16 – 10/19	• Solving linear systems by graphing • Solving linear systems by substitution •	System of equations - Khan Academy
	2 10/22 – 10/26	• Solving linear systems by elimination • Write and solve linear systems from word problems	System of equations - Khan Academy
	3 10/29 – 11/2	• Solving Non-Linear Systems • Financial Algebra Book Sections 2.5 – 2.8 *Expense, Revenue, Profit*	
	4 11/5 – 11/9	• Solving Rational Equations • Solving Radical Equations	Rational expressions, equations, and functions - Khan Academy
	5 11/12 – 11/16	• MATRICES PART A – Find the inverse of matrices • MATRICES PART B – Use the inverse to solve matrices	Matrices - Khan Academy
	6 11/19 – 11/20	• MATRICES PART B – Use the inverse to solve matrices (cont.)	**Foolproofme.com** Complete Module 15 **including test**
	7 11/26 – 11/30	• Module 15 – FOOLPROOF • PORTFOLIO PROJECT #2 INSURING YOUR CAR	Quadratic Equations and Functions - Khan Academy
	8 12/3 – 12/7	• Factoring simple quadratics • Completing the square of simple quadratics • Assessment	Arithmetic with Polynomials - Khan Academy Zeros of polynomials & their graphs - Khan Academy End behavior of polynomial functions - Khan Academy
	9 12/10 – 12/14	• Using the Remainder Theorem • Construct rough graphs using zeros and end behavior • Assessment	
	10 12/17 – 12/21	• EXAM WEEK	

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Quarter 3 Jan 7 – Mar 14	1 1/7– 1/11	• Scatterplots and Linear Regression (rate of change, intercepts)	Scatterplots - Khan Academy
	2 1/14 – 1/18	• Linear and Quadratics (intersections, interpret key features)	Features of quadratic functions - Khan Academy Interpreting Functions - Khan Academy
	3 1/21 – 1/25	• Piecewise Functions • Appropriate Units • Review Graphing	Piecewise Functions - Khan Academy Appropriate Units - Khan Academy
	4 1/28 – 2/1	• FoolProof Module 12: Tax Me, Please • Introduction to Taxes, Forms, Schedules, Statements	**Foolproofme.com** Complete Module 12 **including test** Taxes - Khan Academy
	5 2/4 – 2/8	• Taxes Continued	**Foolproofme.com** Complete Module 3 **including test** Federal Trade Commission - Credit and Loans
	6 2/11 – 2/15	• Portfolio Project #3: W2s and Filing Taxes	**Foolproofme.com** Complete Module 16 **including test** Dealing with Debt - Mycreditunion.gov Identity Theft - Mycreditunion.gov
	7 2/18 – 2/22	• FoolProof Module 3: Kick Some Buck • Introduction to Credit and Credit Cards • Why Credit Matter, Using Credit Cards Wisely	**Foolproofme.com** Complete Module 2, 6 and 7 **including test**
	8 2/25 – 3/1	• FoolProof Module 16: I'm Broke • Dangers of Debt, Identity Theft	
	9 3/4 – 3/8	• Portfolio Project #4: Credit Card Research (OR) • FoolProof Modules 2: Module 2: Breathing Without Air,	

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		Module 6: Sucker Punch Module 7: Boxing Practice	
	10 3/11 – 3/14	• Review and Test	

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Quarter 4 Mar 18 – May 24	1 3/18 – 3/22	• Exponential Function & Growth and Decay • Inverse Functions and Relations	e and compound interest - Khan Academy Inverse Functions - Khan Academy
	2 3/25 – 3/29	• **SPRING BREAK – NO SCHOOL**	
	3 4/1 – 4/5	• Log Functions • Properties of Logs • Exponential and Log Equations	Logarithmic Functions - Khan Academy
	4 4/8 – 4/12	• Exponential and Log Equations • Natural Log e • Module 17 – Pay Me While I Sleep	Logarithmic Functions - Khan Academy **Foolproofme.com** Complete Module 17 **including test**
	5 4/15 – 4/19	• Module 18 – Time Travel • Project #5 • Project #6	**Foolproofme.com** Complete Module 18 **including test**
	6 4/22 – 4/26	• Arithmetic Sequences • Geometric Sequences	
	7 4/29 – 5/3	• Sum of Finite Geometric series	
	8 5/6 – 5/10	• Project #6 • Project #7	
	9 5/13 – 5/17	• Course Standards Review	
	10 5/20 – 5/24	• Final Exams	

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