

Please Note:

All standards in the state course description are designed to be learned by the end of the course. This guide represents a recommended timeline and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course are best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

Publisher Resource:

[Walch](#)

Other Course Supplemental Resources:

[Khan Academy – Algebra 1](#)

[Khan Academy – Finance and Capital Markets](#)

[Khan Academy – Personal Finance](#)

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|------------------------------|--------------------|--|---|
| Quarter 1 Aug 16 – Oct 15 | 1 8/16 – 8/20 | <ul style="list-style-type: none"> Lesson 1.1: Identifying Terms, Factors, and Coefficients Lesson 1.2: Interpreting Complicated Expressions | Terms, factors and coefficients - Khan Academy Interpreting complicated expressions - Khan Academy |
| | 2 8/23 – 8/27 | <ul style="list-style-type: none"> Lesson 1.3: Creating Linear Equations in One Variable Lesson 1.4: Creating and Graphing Linear Equations | Linear equations - Khan Academy Graphing linear equations - Khan Academy |
| | 3 8/30 – 9/3 | <ul style="list-style-type: none"> Lesson 1.5: Representing Constraints Lesson 1.6: Rearranging Formulas | Solving an equation for a variable - Khan Academy |
| | 4 9/6 – 9/10 | <ul style="list-style-type: none"> Labor Day Holiday – 9/6 Lesson 1.7: Evaluating Functions Lesson 1.8: Identifying Key Features of Linear and Exponential Graph | Evaluating functions from a graph - Khan Academy Key features of graphs - Khan Academy |
| | 5 9/13 – 9/17 | <ul style="list-style-type: none"> Interims Issued – 9/14 Lesson 1.9: Recognizing Rate of Change Lesson 1.10: Automobile Depreciation Lesson 1.11: Arithmetic Sequences | Rate of change - Khan Academy Amortization and depreciation - Khan Academy Intro to arithmetic sequences - Khan Academy |
| | 6 9/20 – 9/24 | <ul style="list-style-type: none"> Lesson 1.12: Interpreting Parameters Lesson 1.13: Solving Systems of Linear Equations by Graphing Lesson 1.14: Solving Problems Given Functions Fitted to Data | Interpreting linear functions - Khan Academy Solving Systems by Graphing - Khan Academy |
| | 7 9/27 – 10/1 | <ul style="list-style-type: none"> Lesson 1.15: Determining Inverses of Other Functions Lesson 1.16: Logarithmic Functions as Inverses Lesson 1.17: Analyzing Decisions | Finding inverse functions: linear - Khan Academy Intro to inverse functions - Khan Academy Intro to logarithms - Khan Academy |
| | 8 10/4 – 10/8 | <ul style="list-style-type: none"> Remediate Review Assess Lesson 2.1: Interpreting Expressions and Equations | Unit: Algebra foundations - Khan Academy |
| | 9 10/11 – 10/15 | <ul style="list-style-type: none"> PSAT/NMSQT – 10/13 Lesson 2.2: Creating Inequalities in One Variable Lesson 2.3: Creating and Graphing Exponential Equations Lesson 2.4: Evaluating Functions | Inequality word problem: one variable - Khan Academy One-step inequalities - Khan Academy Exponential function graph - Khan Academy |

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| | | | Evaluating functions from equations - Khan Academy Evaluating functions from graph - Khan Academy |
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| Quarter 2 Oct 18 – Dec 21 | 1 10/18 – 10/22 | <ul style="list-style-type: none"> Teacher Planning Day – 10/18 Lesson 2.5: Graphing Other Functions Lesson 2.6: Interpreting Parameters | |
| | 2 10/25 – 10/29 | <ul style="list-style-type: none"> Report Cards – 10/26 Lesson 2.7: Categorical and Quantitative Variables Lesson 2.8: Reading Report | Identifying individuals, variables and categorical variables - Khan Academy |
| | 3 11/1 – 11/5 | <ul style="list-style-type: none"> Remediate Review Assess Lesson 3.1: Creating Exponential Equations | Writing exponential functions - Khan Academy |
| | 4 11/8 – 11/12 | <ul style="list-style-type: none"> Veterans Day 11/11 Lesson 3.2: Creating and Graphing Equations in Two Variables Lesson 3.3: Identifying Key Features of Linear and Exponential Graphs | Two-variable linear equations intro - Khan Academy |
| | 5 11/15 – 11/19 | <ul style="list-style-type: none"> Interims Issued – 11/16 Lesson 3.4: Comparing Linear to Exponential Functions Lesson 3.5: Constructing Functions from Graphs and Tables | Exponential vs. linear growth - Khan Academy Recognizing functions from graph - Khan Academy Recognizing functions from table - Khan Academy |
| | 6 11/22 – 11/26 | <ul style="list-style-type: none"> Thanksgiving Holiday 11/24 – 11/26 Lesson 3.6: Solving Systems of Linear Equations | <i>Unit: Systems of equations</i> - Khan Academy |
| | 7 11/29 – 12/3 | <ul style="list-style-type: none"> Lesson 3.7: Interpreting Key Features of Quadratic Functions Lesson 3.8: Solving Systems by Graphing | Parabolas intro - Khan Academy Systems of equations with graphing - Khan Academy |
| | 8 12/6 – 12/10 | <ul style="list-style-type: none"> Lesson 3.9: Adding and Subtracting Polynomials Lesson 3.10: Remainder Theorem Remediate/Review Assess | Adding and subtracting polynomials - Khan Academy Remainder Theorem - Khan Academy |
| | 9 12/13 – 12/17 | <ul style="list-style-type: none"> Lesson 4.1: Creating Equations and Inequalities—Gross Pay Lesson 4.2: Creating Equations in Context—Net Pay | Anatomy of a paycheck - Khan Academy |

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| | <p style="text-align: center;">10 12/20 – 12/24</p> | <ul style="list-style-type: none"> • Second Quarter/First Semester Ends – 12/21 • Winter Break – 12/22 –1/4 • Midterm • Lesson 4.3: Constraints in Employment • Lesson 4.4: Rearranging Formulas | <p>Manipulating formulas: perimeter - Khan Academy</p> <p>Manipulating formulas: temperature - Khan Academy</p> <p>Manipulating formulas: area - Khan Academy</p> |
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| Quarter 3 Jan 6 – Mar 10 | 1 1/5 – 1/7 | <ul style="list-style-type: none"> • Teacher Planning Day – 1/5 • Lesson 4.5: Interpreting Employment Parameters • Lesson 4.6: Building Functions from Context | |
| | 2 1/10 – 1/14 | <ul style="list-style-type: none"> • Lesson 4.7: Function Notation • Remediate • Review | Function notation - Khan Academy |
| | 3 1/17 – 1/21 | <ul style="list-style-type: none"> • Martin Luther King Jr. Holiday – 1/17 • Report Cards – 1/19 • Assess • Lesson 5.1: Interpreting Complicated Expressions | Interpreting linear expressions - Khan Academy |
| | 4 1/24 – 1/28 | <ul style="list-style-type: none"> • Lesson 5.2: Creating Equations and Inequalities in Two Variables • Lesson 5.3: Geometric Sequences • Lesson 5.4: Interpreting Parameters • Lesson 5.5: Properties of Equality | Intro to geometric sequences - Khan Academy |
| | 5 1/31 – 2/4 | <ul style="list-style-type: none"> • Lesson 5.6: Solving Equations and Inequalities • Lesson 5.7: Taking the Square Root on Both Sides • Lesson 5.8: Factoring • Lesson 5.9: Square Root and Cube Root Functions | Solving equations and inequalities - Khan Academy Solving linear equations and inequalities - Khan Academy Two variable inequalities - Khan Academy Solving quadratics by taking square roots - Khan Academy Unit: Factorization - Khan Academy Intro to square roots - Khan Academy Intro to cube roots - Khan Academy |
| | 6 2/7 – 2/11 | <ul style="list-style-type: none"> • Teacher Inservice – 2/7 • Interims Issued – 2/8 • Remediate • Review • Assess • Lesson 6.1: Creating and Graphing Equations in Two Variables | Two variable equations - Khan Academy |

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| | <p>7 2/14 – 2/18</p> | <ul style="list-style-type: none"> • Lesson 6.2: Solving Linear Equations • Lesson 6.3: Solving Exponential Equations • | <p>Solutions to 2-variable equations - Khan Academy Solving exponential equations - Khan Academy</p> |
| | <p>8 2/21 – 2/25</p> | <ul style="list-style-type: none"> • Presidents Day Holiday – 2/21 • Lesson 6.4: Completing the Square • Lesson 6.5: Create and Graphing Equations Using Vertex Form | <p>Completing the square - Khan Academy Vertex form intro - Khan Academy Graphing quadratics: vertex form - Khan Academy</p> |
| | <p>9 2/28 – 3/4</p> | <ul style="list-style-type: none"> • Lesson 6.6: Graphing Absolute Value & Step Functions • Lesson 6.7: Graphing Other Piecewise Functions | <p>Graphing absolute value functions - Khan Academy Introduction to piecewise functions - Khan Academy</p> |
| | <p>10 3/7 – 3/11</p> | <ul style="list-style-type: none"> • Teacher Planning Day – 3/11 • Lesson 6.8: Solving Rational Equations • Lesson 6.9: Solving Radical Equations | <p>Rational equations intro - Khan Academy Square-root equations intro - Khan Academy</p> |

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| Quarter 4 Mar 14 – June 2 | 1 3/14 – 3/18 | <ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL | |
| | 2 3/21 – 3/25 | <ul style="list-style-type: none"> • Remediate • Review • Assess • Lesson 7.1: Creating and Solving Equations in Two Variables | Solutions to 2-variable equations - Khan Academy |
| | 3 3/28 – 4/1 | <ul style="list-style-type: none"> • Report Cards – 3/29 • Lesson 7.2: Representing Constraints • Lesson 7.3: Arithmetic Sequences • Lesson 7.4: Geometric Sequences | <i>Unit: Sequences</i> - Khan Academy |
| | 4 4/4 – 4/8 | <ul style="list-style-type: none"> • Remediate • Review • Assess • Lesson 8.1: Creating Equations and Inequalities in Two Variables | Two variable equations - Khan Academy |
| | 5 4/11 – 4/15 | <ul style="list-style-type: none"> • Holiday – 4/15 • Lesson 8.2: Evaluating Financial Expressions • Lesson 8.3: Arithmetic & Geometric Sequences • Lesson 8.4: Fitting Linear Functions to Data | <i>Unit: Sequences</i> - Khan Academy Fitting a line to data - Khan Academy |
| | 6 4/18 – 4/22 | <ul style="list-style-type: none"> • Holiday – 4/18 • Lesson 8.5: Reading Reports • Lesson 8.6: Finite Geometric Series • Lesson 8.7: Calculating Expected Value | Finite geometric series - Khan Academy |
| | 7 4/25 – 4/29 | <ul style="list-style-type: none"> • Interims Issued – 4/26 • Remediate • Review • Assess • Lesson 9.1: Functions and Budgets | |

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| 8 5/2 – 5/6 | <ul style="list-style-type: none"> Lesson 9.2: Graphing Non-Linear Functions Lesson 9.3: Representing Systems of Equations With Matrices | Representing linear systems with matrix equations - Khan Academy |
| 9 5/9 – 5/13 | <ul style="list-style-type: none"> Lesson 9.4: Using Inverse Matrix to Solve Systems of Equations Remediate Review | Into to matrix inverses - Khan Academy |
| 10 5/16 – 5/20 | <ul style="list-style-type: none"> Assess Standards Review | |
| 11 5/23 – 5/27 | <ul style="list-style-type: none"> Standards Review | |
| 12 5/30 – 6/2 | <ul style="list-style-type: none"> Memorial Day Holiday – 5/30 Standards Review | |

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