

Crest Memorial School Curriculum and Pacing Guide	
Grade: Algebra	Subject Area: Math
Adoption Date:	Revision Date: February 16, 2024

Mission and Vision Statements
<p><i>Mission:</i> Successful teaching and learning of mathematics play an important role in ensuring that students have the right skills required to compete in a 21st century global economy. When properly implemented and coupled with opportunities for students to engage in mathematical investigation, communication and problem solving, rigorous mathematics standards hold the promise of elevating the mathematical knowledge and skill of every learner to levels competitive with the best in the world, of preparing our college entrants to undertake advanced work in the mathematical sciences, and of readying the next generation for the jobs their world will demand.</p> <p><i>Vision:</i> A New Jersey education in Mathematics builds quantitatively and analytically literate citizens prepared to meet the demands of college and career, and to engage productively in an information-driven society. All students will have access to a high-quality mathematics education that fosters a population that:</p> <ul style="list-style-type: none"> ● leverages data in decision-making and as a lens for discussing, analyzing, and responding to practical questions. ● persists to make sense of and model problems arising in everyday life, society, and the workplace. ● thinks critically and strategically to assess quantitative relationships and to solutions to complex problems. ● employs precise reasoning and constructs viable arguments to deduce conclusions, recognize false statements and assess peers' reasoning. ● interprets, evaluates and critiques the mathematics embedded in social, scientific and commercial systems, as well as the claims made in the private and public sectors. ● communicates precisely when conveying, representing, and justifying both qualitative and quantitative perspectives

Integration of Technology
<p>9.4.5.TL.3 9.4.5.TL.5</p>

21st Century Skills
<p>9.4.5.IML.3 9.4.8.IML.5</p>

Career Education

- 9.2.8.CAP.2
- 9.2.8.CAP.6

Interdisciplinary Connection

Accommodations and Modifications

Special Education	<ul style="list-style-type: none">● follow 504/IEP accommodations● provide a student copy of class notes● read test questions aloud● provide a “second chance” grading option (correct answers for additional points)● allow extra time to complete assignments● color code notebook dividers by tests, study guides, etc.
English Language Learners	<ul style="list-style-type: none">● create visual word wall with labels● highlight and define important vocabulary● ask yes/no questions● provide sentence frames or sentence stems● allow for use of pictures in science journal with dictation support● create a word map
Students At-Risk of Failure	<ul style="list-style-type: none">● Allow verbalization before writing● Use audio materials when necessary● Read tests aloud● Restate, reword, clarify directions● Re-teach concepts using small groups● Provide educational “breaks” as necessary● Chunking content into “digestible bites”● Shorten assignments to focus on mastery concept● Assignment, Project, and Assessment Modification Based on Individual Student Needs● Use mnemonic devices
Gifted and Talented	<ul style="list-style-type: none">● Student Choice● Assignment, Project, and Assessment Modification Based on Individual Student Needs

Students with 504 Plans	<ul style="list-style-type: none"> ● Allow verbalization before writing ● Use audio materials when necessary ● Read tests aloud ● Restate, reword, clarify directions ● Re-teach concepts using small groups ● Provide educational “breaks” as necessary ● Chunking content into “digestible bites” ● Shorten assignments to focus on mastery concept ● Use mnemonic devices
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Assessments	
Formative	<ul style="list-style-type: none"> ● Warm-Ups ● Lesson Quick Checks (Exit Tickets) ● Teacher Observation ● Effective Questioning
Summative	<ul style="list-style-type: none"> ● Unit Exams ● Short Lessons
Benchmark	<ul style="list-style-type: none"> ● MAP Test ● Unit Exams
Alternative	<ul style="list-style-type: none"> ● Projects ● Performance Exams

Pacing Guide	
Unit 1A: Numbers and Expressions	21 Days
Unit 1B: Equations and Functions	22 Days
Unit 2A: Linear Functions	43 Days
Unit 2B: Exponential Equations	12 Days
Unit 3: Polynomials Expressions and Equations	50 Days

Unit Learning Goals

- Students will be able to Convert Measurements
- Students will be able to Simplify and Evaluate Expressions
- Students will be able to Simplify Rational Expressions

Core Instructional Materials

- Textbook

Supplemental Materials

- Online Math Dictionary
- Math Antics Videos

Daily Targets	NJSLs Performance Expectations	Instructional Activities
<ul style="list-style-type: none"> ● Day 1: Introduce Numbers and Expressions 	<ul style="list-style-type: none"> ● MA.A-SSE.A.1a 	<ul style="list-style-type: none"> ● Warm-Up: Set Up Binder and Insert Unit 1A ● Watch Video Introduction to Unit 1A ● Complete Unit 1A Vocabulary ● Complete Unit 1A Crossword Puzzle
<ul style="list-style-type: none"> ● Day 2: Understanding Precision and Significant Digits 	<ul style="list-style-type: none"> ● MA.A-SSE.A.1a 	<ul style="list-style-type: none"> ● Warm-Up: Spiral Pre-Algebra Review ● Guided Notes on Lesson 1.1 Precision and Significant Digits ● Guided Practice Worksheet ● Riddle on Significant Digits
<ul style="list-style-type: none"> ● Day 3: Understanding Converting Measurements 	<ul style="list-style-type: none"> ● MA.A-CED.A.1 	<ul style="list-style-type: none"> ● Warm-Up: Find the Precision ● Guided Notes on Lesson 1.2 Converting Measurements ● Independent Practice Worksheet
<ul style="list-style-type: none"> ● Day 4: Practicing Converting Measurements 	<ul style="list-style-type: none"> ● MA.A-CED.A.1 	<ul style="list-style-type: none"> ● Warm-Up: Convert the Measurements ● Finish Independent Practice ● Color by Solution Conversion Worksheet
<ul style="list-style-type: none"> ● Day 5: Reviewing Precision and Converting Measurements 	<ul style="list-style-type: none"> ● MA.A-SSE.A.1a ● MA.A-CED.A.1 	<ul style="list-style-type: none"> ● Warm-Up: Questions from 1.1 and 1.2 ● Create Study Guide ● Board Races to Review ● Module Review and Assessment Practice Worksheet

<ul style="list-style-type: none"> Day 6: Assessing Precision and Converting Measurements 	<ul style="list-style-type: none"> MA.A-SSE.A.1a MA.A-CED.A.1 	<ul style="list-style-type: none"> Quiz on Lessons 1.1 and 1.2
<ul style="list-style-type: none"> Day 7: Understanding Radical and Rational Exponents 	<ul style="list-style-type: none"> MA.A-APR.D.6 MA.A-REI.A.2 	<ul style="list-style-type: none"> Warm-Up: Spiral Review Worksheet Introduction to Radicals Video Guided Notes on Lesson 2.1 Radicals and Rational Exponents
<ul style="list-style-type: none"> Day 8: Practicing Radical and Rational Exponents 	<ul style="list-style-type: none"> MA.A-APR.D.6 MA.A-REI.A.2 	<ul style="list-style-type: none"> Warm-Up: Radical and Rational Equations Finish 2.1 Notes if Needed Guided and Independent Practice Worksheets
<ul style="list-style-type: none"> Day 9: Understanding Real Numbers 	<ul style="list-style-type: none"> MA.A-APR.D.7 	<ul style="list-style-type: none"> Warm-Up: Simplify the Rational Expression Guided Notes on 2.2 Real Numbers Independent Practice on Closed Sets
<ul style="list-style-type: none"> Day 10: Reviewing Radicals and Real Numbers 	<ul style="list-style-type: none"> MA.A-APR.D.6 MA.A-REI.A.2 MA.A-APR.D.7 	<ul style="list-style-type: none"> Warm-Up: Questions from Each Section Create a Study Guide Quizizz Game Review Module Review Worksheet
<ul style="list-style-type: none"> Day 11: Assessing Radicals and Real Numbers 	<ul style="list-style-type: none"> MA.A-APR.D.6 MA.A-REI.A.2 MA.A-APR.D.7 	<ul style="list-style-type: none"> Quiz on Lessons 2.1 and 2.2
<ul style="list-style-type: none"> Day 12: Understanding Evaluating Expressions 	<ul style="list-style-type: none"> MA.A-SSE.A.1a MA.A-SSE.A.1b 	<ul style="list-style-type: none"> Warm-Up: Spiral Review Worksheet Guided Notes on Lesson 3.1 Evaluating Expressions Guided Practice and Independent Practice Worksheet Evaluating Expressions Riddle
<ul style="list-style-type: none"> Day 13: Understanding Simplifying Expressions 	<ul style="list-style-type: none"> MA.A-APR.D.6 	<ul style="list-style-type: none"> Warm-Up: Evaluate the Expression Review Worksheet Guided Notes on lesson 3.2 Simplifying Expressions
<ul style="list-style-type: none"> Day 14: Practicing Simplifying Expressions 	<ul style="list-style-type: none"> MA.A-APR.D.6 MA.A-SSE.B.3c 	<ul style="list-style-type: none"> Warm-Up: Simplify Expressions Finish 3.2 Notes Independent Practice Worksheet Review Properties
<ul style="list-style-type: none"> Day 15: Practicing Simplifying Expressions 	<ul style="list-style-type: none"> MA.A-APR.D.6 	<ul style="list-style-type: none"> Warm-Up: Name the Properties Combine Like Terms Scavenger Hunt

	<ul style="list-style-type: none"> MA.A-SSE.B.3c 	<ul style="list-style-type: none"> Combined Like Terms Color by Solution
<ul style="list-style-type: none"> Day 16: Reviewing Expressions 	<ul style="list-style-type: none"> MA.A-SSE.A.1a MA.A-SSE.A.1b MA.A-APR.D.6 MA.A-SSE.B.3c 	<ul style="list-style-type: none"> Warm-Up: Question from each Lesson Review What will be on the Quiz Smart Board Race Game Quizizz Review
<ul style="list-style-type: none"> Day 17: Assessing Expressions 	<ul style="list-style-type: none"> MA.A-SSE.A.1a MA.A-SSE.A.1b MA.A-APR.D.6 MA.A-SSE.B.3c 	<ul style="list-style-type: none"> Quiz on Lessons 3.1 and 3.2
<ul style="list-style-type: none"> Day 18-19: Reviewing Numbers and Expressions 	<ul style="list-style-type: none"> MA.A-SSE.A.1a MA.A-SSE.A.1b MA.A-CED.A.1 MA.A-APR.D.6 MA.A-APR.D.7 MA.A-SSE.B.3c 	<ul style="list-style-type: none"> Warm-Up: Review Task Cards Unit 1A Study Guide Quizizz Review Unit 1A Jeopardy Review
<ul style="list-style-type: none"> Day 20-21: Unit 1A Assessment 	<ul style="list-style-type: none"> See Days 1-19 	<ul style="list-style-type: none"> Assessment on Numbers and Expressions

Inclusive concepts

- Explain any character education effort where you are encouraging inclusivity and culture competency.

Unit Learning Goals

- Students will be able to Solve Equations and Inequalities with One Variable
- Students will be able to Graph Equations in Two Variables
- Students will be able to find and Utilize Functions
- Students will be able to Write and Understand Sequences

Core Instructional Materials

- Teacher Created Textbook

Supplemental Materials

- Online Math Dictionary
- Math Antics Videos

Daily Targets	NJSLs Performance Expectations	Instructional Activities
<ul style="list-style-type: none"> Day 1: Understanding Equations and Functions 	<ul style="list-style-type: none"> MA.A-REI 	<ul style="list-style-type: none"> Warm-Up: Clean out Unit 1A and Insert Unit 1B Notes Spiral Review Worksheet Complete Unit 1B Vocabulary Complete Unit 1B Vocabulary Crossword Puzzle
<ul style="list-style-type: none"> Day 2: Understanding Equations in One Variable 	<ul style="list-style-type: none"> MA.A-REI.A.1 MA.A-REI.A.2 	<ul style="list-style-type: none"> Warm-Up: Solve Equation Guided Notes on Lesson 4.1 Equations in One Variable Independent Practice Worksheet
<ul style="list-style-type: none"> Day 3-4: Practicing Solving Equations 	<ul style="list-style-type: none"> MA.A-REI.B.3 	<ul style="list-style-type: none"> Warm-Up: Solve the Equations Independent Practice Worksheet Color by Solution Worksheet Solving Equations Pixel Art Activity
<ul style="list-style-type: none"> Day 5: Understanding Inequalities with One Variable 	<ul style="list-style-type: none"> MA.A-REI.B.3 	<ul style="list-style-type: none"> Warm-Up: Solve the Equations Guided Notes on Lesson 4.2 Inequalities in One Variable Independent Practice Worksheet
<ul style="list-style-type: none"> Day 6: Practicing Solving Inequalities with One Variable 	<ul style="list-style-type: none"> MA.A-REI.B.3 	<ul style="list-style-type: none"> Warm-Up: Solve and Graph the Inequality Complete Inequality Riddle Complete Inequality VersaTiles worksheet
<ul style="list-style-type: none"> Day 7: Understanding Literal Equations 	<ul style="list-style-type: none"> MA.A-CED.A.4 	<ul style="list-style-type: none"> Warm-Up: Review Homework Together Guided Notes on Lesson 4-3 Literal Equations Guided Practice Worksheet
<ul style="list-style-type: none"> Day 8 Practicing Literal Equations 	<ul style="list-style-type: none"> MA.A-CED.A.4 	<ul style="list-style-type: none"> Warm-Up: Literal Equations Guided Practice on Literal Equations Pumpkin Literal Equations Activity
<ul style="list-style-type: none"> Day 9: Reviewing Equations and Inequalities 	<ul style="list-style-type: none"> MA.A-REI.A.1 MA.A-REI.A.2 MA.A-CED.A.4 	<ul style="list-style-type: none"> Warm-Up: Solve the Equations and Inequalities What will be on the quiz? Module Review Worksheet Quizizz Review

	<ul style="list-style-type: none"> • MA.A-REI.B.3 	
<ul style="list-style-type: none"> • Day 10-11: Assessing Equations and Inequalities 	<ul style="list-style-type: none"> • MA.A-REI.A.1 • MA.A-REI.A.2 • MA.A-CED.A.4 • MA.A-REI.B.3 	<ul style="list-style-type: none"> • Quiz on Lessons 4.1 through 4.3
<ul style="list-style-type: none"> • Day 12: Understanding Equations in Two Variables 	<ul style="list-style-type: none"> • MA.A-CED.A.2 • MA.A-REI.D.10 	<ul style="list-style-type: none"> • Warm-Up: Spiral Review Worksheet • Notes on Lesson 5.1 Equations in Two Variables • Guided Practice and Independent Practice Worksheet
<ul style="list-style-type: none"> • Day 13: Understanding Functions 	<ul style="list-style-type: none"> • MA.A-REI.D.11 	<ul style="list-style-type: none"> • Warm-Up: Graph the Equation • Guided Notes on 5.2 Functions • Identify Functions Practice
<ul style="list-style-type: none"> • Day 14: Halloween Equation Activity 	<ul style="list-style-type: none"> • MA.A-CED.A.2 • MA.A-REI.D.10 	<ul style="list-style-type: none"> • Complete Halloween Themed Practice Activity
<ul style="list-style-type: none"> • Day 15: Understanding Sequences 	<ul style="list-style-type: none"> • MA.A-SSE.B.4 	<ul style="list-style-type: none"> • Warm-Up: Find when the functions are equal • Video on Sequences • Guided Notes on Lesson 5.3 Sequences • Guided Practice Worksheet
<ul style="list-style-type: none"> • Day 16: Practicing Sequences 	<ul style="list-style-type: none"> • MA.A-SSE.B.4 	<ul style="list-style-type: none"> • Warm-Up: Write the Geometric Sequence • Independent Practice on Sequences • Functions Practice
<ul style="list-style-type: none"> • Day 17: Reviewing Functions and Sequences 	<ul style="list-style-type: none"> • MA.A-CED.A.2 • MA.A-SSE.B.4 • MA.A-REI.D.10 • MA.A-REI.D.11 	<ul style="list-style-type: none"> • Warm-Up: Questions from each section • Study Guide for Module 5 • Quiziz Review Game • Finish Review Worksheet with time remaining
<ul style="list-style-type: none"> • Day 18 Assessing Functions and Sequences 	<ul style="list-style-type: none"> • MA.A-CED.A.2 • MA.A-SSE.B.4 	<ul style="list-style-type: none"> • Quiz on Lessons 5.1 through 5.3

	<ul style="list-style-type: none"> • MA.A-REI.D.10 • MA.A-REI.D.11 	
<ul style="list-style-type: none"> • Day 19-20: Reviewing equations and Functions 	<ul style="list-style-type: none"> • See Days 1-18 	<ul style="list-style-type: none"> • Warm-Up: Review Worksheet • Study Guide on Unit 1B • Review What will be On the Test • Quizizz Review • Board Practice with Remaining Time
<ul style="list-style-type: none"> • Day 21-22 Assessing Unit 1B 	<ul style="list-style-type: none"> • See Days 1-18 	<ul style="list-style-type: none"> • Complete Unit 1B Assessment

Inclusive concepts

- Explain any character education effort where you are encouraging inclusivity and culture competency.

Unit Learning Goals

- Students will be able to Graph Linear Functions
- Students will be able to write equation in standard and slope intercept form
- Students will be able to solve systems of equations and inequalities
- Students will be able to graph linear functions and their inverses

Core Instructional Materials

- Textbook

Supplemental Materials

- Online Math Dictionary
- Math Antics Videos

Daily Targets

- Day 1: Unit 2A Introduction

NJSLs Performance Expectations

- MA.A-CED.A

Instructional Activities

- Warm-Up: Watch Video on Linear Equations
- Complete Sprial Review Worksheet
- Complete Unit 2A Vocabulary
- Complete Unit 2A Crossword Puzzle

<ul style="list-style-type: none"> Day 2: Understanding Linear Functions 	<ul style="list-style-type: none"> MA.A-CED.A.2 MA.A-CED.A.3 	<ul style="list-style-type: none"> Warm-Up: Make a Table of Values Guided Notes on Lesson 6.1 Linear Functions Independent Practice Worksheet
<ul style="list-style-type: none"> Day 3: Practicing Linear Functions 	<ul style="list-style-type: none"> MA.A-CED.A.1 MA.A-CED.A.2 MA.A-CED.A.3 	<ul style="list-style-type: none"> Warm-Up: Finish I.P from Yesterday Writing Equations Worksheet Graphing Equations
<ul style="list-style-type: none"> Day 4: Understanding Intercepts 	<ul style="list-style-type: none"> MA.A-APR.B.3 	<ul style="list-style-type: none"> Warm-Up: Graph the Equation Guided Notes on 6.2 Finding Intercepts Guided Practice Worksheet
<ul style="list-style-type: none"> Day 5: Understanding Slope 	<ul style="list-style-type: none"> MA.A-CED.A.1 	<ul style="list-style-type: none"> Warm-Up: Find the Intercepts Guided Notes on 6-3 Finding Slope Slopes and Intercepts Riddle
<ul style="list-style-type: none"> Day 6: Practicing Slope 	<ul style="list-style-type: none"> MA.A-CED.A.1 	<ul style="list-style-type: none"> Warm-Up: Find the Slope Finding Slope Partner Activity Finding Slope Scavenger Hunt
<ul style="list-style-type: none"> Day 7: Understanding Slope-Intercept Form 	<ul style="list-style-type: none"> MA.A-CED.A.2 MA.A-CED.A.3 	<ul style="list-style-type: none"> Warm-Up: Review Work Guided Notes on 6.4 Slope Intercept Form Guided Practice Writing Equations
<ul style="list-style-type: none"> Day 8: Practicing Slope Intercept Form 	<ul style="list-style-type: none"> MA.A-CED.A.2 MA.A-CED.A.3 	<ul style="list-style-type: none"> Warm-Up: Find the Slope Complete Slope-Intercept Form Riddles Killing Zombies Slope Practice
<ul style="list-style-type: none"> Day 9: Understanding Writing Linear Functions 	<ul style="list-style-type: none"> MA.A-CED.A.2 MA.A-CED.A.3 	<ul style="list-style-type: none"> Warm-Up: Find the Slope Guided Notes on 6.5 Writing Linear Equations Guided Practice Worksheet
<ul style="list-style-type: none"> Day 10: Practicing Writing Linear Equations 	<ul style="list-style-type: none"> MA.A-CED.A.2 MA.A-CED.A.3 	<ul style="list-style-type: none"> Warm-Up: Write the equation from two points Riddle Worksheet writing the equation
<ul style="list-style-type: none"> Day 11: Reviewing Linear Equations 	<ul style="list-style-type: none"> MA.A-CED.A.1 MA.A-CED.A.2 MA.A-CED.A.3 MA.A-APR.B.3 	<ul style="list-style-type: none"> Warm-Up: Word Problem Using Slope Intercept form Quizizz Review Study Independently
<ul style="list-style-type: none"> Day 12: Assessing Linear Equations 	<ul style="list-style-type: none"> MA.A-CED.A.1 	<ul style="list-style-type: none"> Quiz on Lessons 6.1 through 6.5

	<ul style="list-style-type: none"> • MA.A-CED.A.2 • MA.A-CED.A.3 • MA.A-APR.B.3 	
<ul style="list-style-type: none"> • Day 13: Understanding Arithmetic Sequences 	<ul style="list-style-type: none"> • MA.A-SSE.B.4 	<ul style="list-style-type: none"> • Warm-Up: Spiral Review Worksheet • Guided Notes on 7.1 Arithmetic Sequences • Guided Practice Worksheet • Independent Practice Worksheet
<ul style="list-style-type: none"> • Day 14: Understanding Operations with Linear Functions 	<ul style="list-style-type: none"> • MA.A-APR.A.1 	<ul style="list-style-type: none"> • Warm-Up: Write a recursive and explicit rule • Guided Notes on 7.2 Operations with Linear Functions • Independent Practice Worksheet
<ul style="list-style-type: none"> • Day 15: Understanding Inverses of Linear Functions 	<ul style="list-style-type: none"> • MA.A-REI.C.9 	<ul style="list-style-type: none"> • Warm-Up: Operations with two functions • Guided Notes on Lesson 7.3 Inverses of Linear Functions • Inverse Riddle
<ul style="list-style-type: none"> • Day 16: Practicing Inverses of Linear Functions 	<ul style="list-style-type: none"> • MA.A-REI.C.9 	<ul style="list-style-type: none"> • Warm-Up: Find the Inverse of the Function • Complete Inverse Practice Worksheet
<ul style="list-style-type: none"> • Day 17: Understanding Linear Inequalities 	<ul style="list-style-type: none"> • MA.A-REI.D.12 	<ul style="list-style-type: none"> • Warm-Up: Find the Inverse • Guided Notes on Lesson 7.4 Linear Inequalities • Linear Inequality Riddle
<ul style="list-style-type: none"> • Day 18: Practicing Linear Inequalities 	<ul style="list-style-type: none"> • MA.A-REI.D.12 	<ul style="list-style-type: none"> • Warm-Up: Graph the Inequality • Finish Linear Inequality Riddle • Graph Linear Inequalities using Graphing Calculator
<ul style="list-style-type: none"> • Day 19: Reviewing Operations, Inverses, and Inequalities 	<ul style="list-style-type: none"> • MA.A-APR.A.1 • MA.A-SSE.B.4 • MA.A-REI.C.9 • MA.A-REI.D.12 	<ul style="list-style-type: none"> • Warm-Up: Question from each section • Review what will be on the quiz • Module Review Worksheet
<ul style="list-style-type: none"> • Day 20: Assessing Operations, Inverses, and Inequalities 	<ul style="list-style-type: none"> • MA.A-APR.A.1 • MA.A-SSE.B.4 • MA.A-REI.C.9 • MA.A-REI.D.12 	<ul style="list-style-type: none"> • Quiz on Lessons 7.1 through 7.4

<ul style="list-style-type: none"> Day 21: Understanding Linear Correlation 	<ul style="list-style-type: none"> MA.A-CED.A.2 	<ul style="list-style-type: none"> Warm-Up: Graph the Equation Guided Notes on Lesson 8.1 Linear Correlation Independent Practice on Linear Correlation
<ul style="list-style-type: none"> Day 22-23: Practicing Linear Correlation 	<ul style="list-style-type: none"> MA.A-CED.A.2 	<ul style="list-style-type: none"> Warm-Up: Write an equation from two points Complete Practice Packet on Correlation Correlation Technology Assignment
<ul style="list-style-type: none"> Day 24: Reviewing Linear Correlation 	<ul style="list-style-type: none"> MA.A-CED.A.2 	<ul style="list-style-type: none"> Warm-Up: Word Problem Review What will be on the quiz Review Correlation Packet Quizizz Game Review
<ul style="list-style-type: none"> Day 25: Assessing Linear Correlation 	<ul style="list-style-type: none"> MA.A-CED.A.2 	<ul style="list-style-type: none"> Quiz on Linear Correlation
<ul style="list-style-type: none"> Day 26: Understanding Systems of Equations with Graphing 	<ul style="list-style-type: none"> MA.A-REI.C.5 MA.A-REI.C.6 	<ul style="list-style-type: none"> Warm-Up: Spiral Review Worksheet Watch Video Introducing Systems of Equations Guided Notes on Lesson 9.1 Solving Systems by Graphing Check with Calculators
<ul style="list-style-type: none"> Day 27: Practicing Solving Systems of Equations by Graphing 	<ul style="list-style-type: none"> MA.A-REI.C.6 MA.A-REI.C.7 	<ul style="list-style-type: none"> Warm-Up: Graph the System Riddle on Graphing Systems Independent Practice Worksheet
<ul style="list-style-type: none"> Day 28: Understanding Solving Systems of Equations by Substitution 	<ul style="list-style-type: none"> MA.A-REI.C.5 MA.A-REI.C.7 	<ul style="list-style-type: none"> Warm-Up: Solve by Graphing Guided Notes on Lesson 9.2 Solving Systems of Equations with Substitution Guided Practice Worksheet
<ul style="list-style-type: none"> Day 29-30: Practicing Solving Systems of Equations by Substitution 	<ul style="list-style-type: none"> MA.A-REI.C.5 MA.A-REI.C.7 	<ul style="list-style-type: none"> Warm-Up: Solve Systems by Graphing Complete Riddle Complete Partner Activity Independent Practice
<ul style="list-style-type: none"> Day 31: Assessing Graphing and Substitution 	<ul style="list-style-type: none"> MA.A-REI.C.5 MA.A-REI.C.6 MA.A-REI.C.7 	<ul style="list-style-type: none"> Quiz on Solving Systems of Equations by Graphing and Substitution
<ul style="list-style-type: none"> Day 32-33: Understanding Solving Systems of Equations by Elimination 	<ul style="list-style-type: none"> MA.A-REI.C.8 MA.A-REI.C.9 	<ul style="list-style-type: none"> Warm-up: Solve the Equations any way Guided Notes on 9-3 Solving Systems of

		<ul style="list-style-type: none"> Equations using Elimination Practice Problems involving Multiplication Riddle Worksheet
<ul style="list-style-type: none"> Day 34: Quiz on Elimination Method 	<ul style="list-style-type: none"> MA.A-REI.C.8 MA.A-REI.C.9 	<ul style="list-style-type: none"> Quiz on Elimination Method and Matrices
<ul style="list-style-type: none"> Day 35: Understanding Systems of Inequalities 	<ul style="list-style-type: none"> MA.A-REI.D.10 MA.A-REI.D.12 	<ul style="list-style-type: none"> Warm-Up: Review Quiz Corrections Guided Notes on 9.5 Solving Systems of Linear Inequalities Independent Practice
<ul style="list-style-type: none"> Day 36: Practicing Systems of Linear Inequalities 	<ul style="list-style-type: none"> MA.A-REI.D.10 MA.A-REI.D.12 	<ul style="list-style-type: none"> Warm-Up: Graph the System System of Inequalities Pixel Art Riddle Worksheet
<ul style="list-style-type: none"> Day 37-38: Reviewing Systems of Equations and Inequalities 	<ul style="list-style-type: none"> MA.A-REI.C.5 MA.A-REI.C.6 MA.A-REI.C.7 MA.A-REI.C.8 MA.A-REI.C.9 MA.A-REI.D.10 MA.A-REI.D.12 	<ul style="list-style-type: none"> Warm-Up: Solve the Systems any way Riddles on each type (Choose your own assignment) Study Guide Together Review Game
<ul style="list-style-type: none"> Day 39: Assessing Systems of Equations and Inequalities 	<p>See Day 38-39</p>	<ul style="list-style-type: none"> Quiz on 9.1 through 9.5
<ul style="list-style-type: none"> Day 40-41: Reviewing Linear Functions 	<p>See Day 1-37</p>	<ul style="list-style-type: none"> Unit 2A Study Guide Review What will be on the quiz Unit 2A Review Jeopardy Game
<ul style="list-style-type: none"> Day 42-43 	<p>See Days 1-37</p>	<ul style="list-style-type: none"> Unit 2A Assessment

Inclusive concepts

- Explain any character education effort where you are encouraging inclusivity and culture competency.

Unit Learning Goals

- Students will be able to graph equations with exponents
- Students will be able to solve problems with exponential variables
- Students will be able to complete problems involving exponential growth and decay

Core Instructional Materials	Supplemental Materials
<ul style="list-style-type: none"> ● Textbook 	<ul style="list-style-type: none"> ● Online Math Dictionary ● Math Antics Videos

Daily Targets	NJSLs Performance Expectations	Instructional Activities
<ul style="list-style-type: none"> ● Day 1: Unit 2B Introduction 	<ul style="list-style-type: none"> ● MA.A-SSE.B.3c 	<ul style="list-style-type: none"> ● Warm-Up: Clean out Unit 2A and Insert Unit 2B ● Introduction Video to Exponential Equations ● Complete Unit 2B Vocabulary ● Complete Unit 2B Crossword Puzzle
<ul style="list-style-type: none"> ● Day 2: Understanding Exponential Functions 	<ul style="list-style-type: none"> ● MA.A-SSE.A.1b ● MA.A-REI.D.10 ● MA.A-REI.D.11 	<ul style="list-style-type: none"> ● Warm-Up: Spiral Review Worksheet ● Guided Notes on Lesson 10.1 Exponential Functions ● Guided Practice Worksheet
<ul style="list-style-type: none"> ● Day 3: Practicing Exponential Functions 	<ul style="list-style-type: none"> ● MA.A-SSE.A.1b ● MA.A-REI.D.10 ● MA.A-REI.D.11 	<ul style="list-style-type: none"> ● Warm-Up: Solve the word problem ● Key Features of Exponential Functions Worksheet ● Independent Practice Worksheet
<ul style="list-style-type: none"> ● Day 4: Understanding Exponential Growth and Decay 	<ul style="list-style-type: none"> ● MA.A-SSE.A.1b ● MA.A-REI.D.10 ● MA.A-REI.D.11 	<ul style="list-style-type: none"> ● Warm-Up: Solve the Word Problem ● Guided Notes on Lesson 10.2 Exponential Growth and Decay ● Independent Practice Worksheet
<ul style="list-style-type: none"> ● Day 5: Practicing Exponential Growth and Decay 	<ul style="list-style-type: none"> ● MA.A-SSE.A.1b ● MA.A-REI.D.10 ● MA.A-REI.D.11 	<ul style="list-style-type: none"> ● Warm-Up: Solve the growth word problem ● Exponential Functions Worksheet ● Independent Practice Worksheet

<ul style="list-style-type: none"> Day 6: Understanding Geometric Sequences 	<ul style="list-style-type: none"> MA.A-SSE.B.4 	<ul style="list-style-type: none"> Warm-Up: Exponential Decay Word Problem Guided Notes on Lesson 10-3 Geometric Sequences Guided Practice Worksheet
<ul style="list-style-type: none"> Day 7-8: Practicing Geometric Sequences 	<ul style="list-style-type: none"> MA.A-SSE.B.4 	<ul style="list-style-type: none"> Warm-Up: Write the Equation for the Sequence Independent Practice on Sequences Review Together Sequences Crossword Puzzle
<ul style="list-style-type: none"> Day 9: Understanding Exponential Equations 	<ul style="list-style-type: none"> MA.A-REI.B.4b 	<ul style="list-style-type: none"> Warm-Up: Write the sequence Guided Notes on Lesson 10.5 Equations involving Exponents Guided Practice and Independent Practice Worksheet
<ul style="list-style-type: none"> Day 10: Practicing Exponential Equations 	<ul style="list-style-type: none"> MA.A-REI.B.4b 	<ul style="list-style-type: none"> Warm-Up: Solve the equation Complete Work from Day 9 Color by Solution Equation
<ul style="list-style-type: none"> Day 11: Reviewing Exponential Functions 	<ul style="list-style-type: none"> MA.A-SSE.A.1b MA.A-SSE.B.3c MA.A-REI.B.4b MA.A-REI.D.10 MA.A-REI.D.11 	<ul style="list-style-type: none"> Warm-Up: Question from Each Section Module Review and Assessment Readiness Worksheet Quizizz Review
<ul style="list-style-type: none"> Day 12: Assessing Unit 2B 	<ul style="list-style-type: none"> MA.A-SSE.A.1b MA.A-SSE.B.3c MA.A-REI.B.4b MA.A-REI.D.10 MA.A-REI.D.11 	<ul style="list-style-type: none"> Unit 2B Assessment

Inclusive concepts

- Explain any character education effort where you are encouraging inclusivity and culture competency.

Unit Learning Goals

- Students will be able to identify and utilize polynomials
- Students will be able to identify and factor different types of polynomials
- Students will be able to Graph Parabolic Functions

Core Instructional Materials	Supplemental Materials
● Teacher Created Textbook	<ul style="list-style-type: none"> ● Online Math Dictionary ● Math Antics Videos

Daily Targets	NJSLs Performance Expectations	Instructional Activities
<ul style="list-style-type: none"> ● Day 1: Unit 3 Introduction 	<ul style="list-style-type: none"> ● MA.A-APR.A.1 	<ul style="list-style-type: none"> ● Warm-Up: Clean out binder of Unit 2A ● Insert New Unit into binder ● Watch Introduction Video ● Complete Unit 3 Vocabulary
<ul style="list-style-type: none"> ● Day 2: Classifying Polynomials 	<ul style="list-style-type: none"> ● MA.A-APR.A.1 	<ul style="list-style-type: none"> ● Warm-Up: Find perimeter of Triangle ● Notes on 14-1 Polynomials ● Complete Practice Worksheet Pages 8-9 on Polynomials
<ul style="list-style-type: none"> ● Day 3: Practice Polynomials 	<ul style="list-style-type: none"> ● MA.A-APR.A.1 ● MA.A-APR.C.4 	<ul style="list-style-type: none"> ● Warm-Up: Classify the Polynomials ● Independent Practice Pages in Notes ● Perimeter Polynomial Practice Task Cards
<ul style="list-style-type: none"> ● Day 4: Adding and Subtracting Polynomials 	<ul style="list-style-type: none"> ● MA.A-APR.D.6 	<ul style="list-style-type: none"> ● Warm-Up: Combine Like Terms ● Notes on Adding and Subtracting Polynomials ● Combining Polynomials Riddles
<ul style="list-style-type: none"> ● Day 5: Multiplying Monomials 	<ul style="list-style-type: none"> ● MA.A-APR.A.1 	<ul style="list-style-type: none"> ● Warm-Up: Adding and Subtracting Polynomials ● Notes on Lesson 14-3 Multiplying Monomials ● Independent Practice on Multiplying Monomials

<ul style="list-style-type: none"> Day 6: Practice Multiplying Monomials 	<ul style="list-style-type: none"> MA.A-APR.A.1 	<ul style="list-style-type: none"> Warm-Up: Distributive Property of Monomials Review HW together Guided Practice Worksheet Independent Practice on Multiplying Monomials
<ul style="list-style-type: none"> Day 7: Multiplying Binomials 	<ul style="list-style-type: none"> MA.A-APR.A.1 MA.A-APR.C.5 	<ul style="list-style-type: none"> Warm-Up: Simplifying Fractions with exponents Notes on lesson 14-4 Multiplying Binomials Practice Riddle on Multiplying Binomials
<ul style="list-style-type: none"> Day 8: Practice Multiplying Binomials 	<ul style="list-style-type: none"> MA.A-APR.A.1 MA.A-APR.C.5 	<ul style="list-style-type: none"> Warm-Up: Binomials Expansion Question Independent Practice on Binomials Pixel Art Activity on Binomials
<ul style="list-style-type: none"> Day 9: Reviewing Polynomials 	<ul style="list-style-type: none"> MA.A-APR.A.1 MA.A-APR.C.4 MA.A-APR.C.5 	<ul style="list-style-type: none"> Warm-Up: Question from lessons 1-4 Ready to Go On? Worksheet Quizizz on Lessons 14-1 through 14-4 to review
<ul style="list-style-type: none"> Day 10 Assessing Polynomials 	<ul style="list-style-type: none"> MA.A-APR.A.1 MA.A-APR.C.4 MA.A-APR.C.5 	<ul style="list-style-type: none"> Quiz on Lessons 14-1 through 14-4
<ul style="list-style-type: none"> Day 11-13: Understanding Factoring Polynomials 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none"> Warm-Up: Dividing Monomials Notes on 15-1 Factoring Polynomials Find GCF and LCM of pairs Riddles on Factoring Independent Practice on 15-1
<ul style="list-style-type: none"> Day 14-20: Understanding Factoring Trinomials 	<ul style="list-style-type: none"> 	<ul style="list-style-type: none">

Inclusive concepts

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