OJ DeJonge MS Curriculum Snapshots Trimester 3

Grade 6   Grade 7   Grade 8

6th Grade Courses

ELA 6   Math 6   Western Hemisphere 6 B

Science 6 B   STEAM 6   Exploring Woods 6

Health and PE 6   Outdoor Rec 6   Band 6

Choir 6   Art 6   Quiz Bowl 6   Robotics 6

SE ELA 6   SE Math 6

Sixth Grade English Language Arts - Third Trimester

Nonfiction Reading Unit & Book Project

Students will:

- determine the central idea of a text
- identify and define text features
- identify and explain nonfiction text structures
- summarize a text
- explain text connections
- use textual evidence to support writing

Realistic Fiction Novel Study: *Ghost* by Jason Reynolds

Students will:

- use textual evidence to support my analysis of the text
- draw inferences from the text
- describe how a story's plot unfolds in a series of episodes
- describe how a character responds or changes as the plot moves to a resolution.
- use context clues to determine meanings of words I do not know
- identify internal and external conflicts
- make inferences about characters and events in a story
- identify the theme of a story
- analyze the use of figurative language

Informational Research & Writing: Cause-Effect Relationships

Students will:

- analyze to explain cause and effect
- brainstorm viable topics
- explain cause-effect relationship
- categorize information
- cite sources
- develop a research question
- select relevant facts, quotations, and details
- provide constructive feedback
- revise to clarify and deepen analysis

O.J. DeJonge Middle School 2022-2023

Math 6 - Third Trimester

Integers and the Coordinate Plane

Students will:

- Read and graph integers
- Compare and order integers on a number line
- Compare and order rational numbers on a number line
- Find the absolute value of a number
- Identify and plot ordered pairs on a number line
- Plot and reflect ordered pairs on a coordinate plane

Surface Area and Volume

Students will:

- Identify the parts of prisms and pyramids
- Find the surface area of prisms using nets
- Find the surface area of pyramids from nets
- Find the volume of a prism using a formula

Equations and Inequalities

Students will

- Read and translate word problems into math equations
- Use inverse operations of addition and subtraction to find the solution to an equation
- Use the inverse operations of multiplication and division to find the solution to an equation
- Write and represent equations in two variables
- Graph and determine the solution of an inequality
- Solve inequalities using addition and subtraction
- Solve inequalities using multiplication and division

Statistical Measures

Students will:

- Use dot plots to answer statistical questions
- Find the mean of a set of data and discover the relationship between the mean and outliers
- Find the median and mode and identify which measure of center best describes data set
- Find the range, quartiles and interquartile range of a data set

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Sixth Grade Western Hemisphere - Third Trimester

Mexico

- Locate, interpret, and analyze the physical and human characteristics in Mexico.
- Apply spatial thinking skills, geographic reasoning and discover data driven sources for comparison.
- Culture and geography patterns of settlement and civilizations in Mesoamerica.
- Technology pattern in human interaction/adaptations with the environment.

Central America & The Caribbean

- Locate, interpret, and analyze the physical and human characteristics in Central America and The Caribbean.
- Apply spatial thinking skills, geographic reasoning and discover data driven sources for comparison.
- Explore the economic systems and role of government in a national economy.
- Investigate the cooperation and conflicts between governments.
- Interaction with humans and the environment.

South America

- Locate, interpret, and analyze the physical and human characteristics in South America.
- Apply spatial thinking skills, geographic reasoning and discover data driven sources for comparison.
- Investigate global issues starting from South America to other regions.

Intro to Engineering

- Define the criteria and constraints of a design problem.
- Apply scientific and mathematical principles to solve a problem.
- Develop, test, and refine prototypes as part of a cyclical design process
- Evaluate competing design solutions.
- Analyze similarities and differences among design solutions to identify the best characteristics of each in order to combine them into a new solution.
- Exhibit a tolerance for ambiguity, perseverance and the capacity to work with open-ended problems.
- Choose appropriate platforms and tools for meeting the desired objectives.
- Create original works or responsibly repurpose or remix digital resources into new creations
- Contribute constructively to project teams, assuming various roles and responsibilities to work effective toward a common goal.

3D Modeling/Printing

- Identify and explain the axis of 3 dimensions.
- Use technology to design 3D models.
- Design products to be successfully 3D printed and/or laser cut.

STEAM Careers

- Explore the variety of careers available in the STEAM careers.
- See how the problem solving we do in class can translate to the real world.

Measuring / Board Feet

- Demonstrate knowledge of understanding fundamental mathematical concepts as related to the discipline.
- Understand how to find lowest common denominator, with fractions, whole numbers numbers. Division by two and 144 to calculate board feet, reducing fractions, addition and subtraction of fractions.

Machine safety and proper usage

- Demonstrate knowledge and understanding of how to safely operate tools and equipment.
- Demonstrate safest method for performing task.
- Recognize potential hazards associated with process application.

Physical Education/Health 6 - Third Trimester

Physical Education Opportunities

~Students will have the opportunity to participate in a different team sports unit every week of the trimester.

~Units include: Basketball, Badminton, Pickleball, Team handball, Tennis, ultimate frisbee, ultimate football, Kickball, Wiffle ball.

~Students will have the opportunity to test their muscular strength and Cardiovascular endurance by completing fitness testing at the beginning and end of the trimester.

~Students will learn and demonstrate proper sportsmanship and **team play.**

Health Opportunities:

6th grade health concentrates on how the body is developing and changing physically and mentally.

Health Concepts

~Students will comprehend concepts related to health promotion and disease prevention to enhance health.

~ Students will analyze the influence of family, peers, culture, media, technology, and other factors on health behaviors.

~Students will demonstrate the ability to access valid information and products and services to enhance health.

~Students will demonstrate the ability to use interpersonal communication skills to enhance health and avoid or reduce health risks.

~Students will demonstrate the ability to use decision-making skills to enhance health.

~Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks

Students will demonstrate the ability to advocate for personal, family and community health.

Outdoor Recreation 6 - Third Trimester

Physical Education Concepts

- Students will explore recreational and outdoor opportunities with a focus on local offerings.
- Students will participate in an active curriculum that safely introduces them to activities such as biking, hiking, fishing, skiing, snowshoeing, disc golf, pickleball, badminton, kayaking, and orienteering.
- Students will discover new activities through a research project, expert guest speakers and participation on field trips.
- Students will build confidence through skill based learning that can be applied directly to life in Ludington all year round.
- Students will learn basic Health Concepts: healthy habits and goals, nutrition & physical activity, safety, communication, decision making, mental health and changes as we grow.

Health Concepts

~Students will comprehend concepts related to health promotion and disease prevention to enhance health.

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~Students will demonstrate the ability to access valid information and products and services to enhance health.

~Students will demonstrate the ability to use interpersonal communication skills to enhance health and reduce health risks.

~Students will demonstrate the ability to use decision-making skills to enhance health.

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Sixth Grade Quiz Bowl - Third Trimester

6th Grade Unit

- Introduction of Quiz Bowl Rules, Scoring, Teamwork, and Collaboration.

- Theme 1: Explorers & Ancient American History

- Theme 2: US Geography: 50 States, 50 Capitals, and other locations

7th Grade Unit

- Theme 3: Greek & Roman Mythology

- Theme 4: Ancient Greece & Roman History

8th Grade Unit

- Theme 5: US Presidents

- Theme 6: Famous Historical People, Places, and Events

Sixth Grade - RI English Language Arts - Third Trimester

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Historical Fiction Novel Study: *Number the Stars* by Lois Lowry

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- describe how a story's plot unfolds in a series of episodes
- describe how a character responds or changes as the plot moves to a resolution.
- use context clues to determine meanings of words I do not know
- identify internal and external conflicts
- make inferences about characters and events in a story
- identify the theme of a story

Informational Research & Writing: Evidence and Reasoning

Students will:

- analyze to explain evidence & reasoning
- brainstorm viable topics
- categorize information
- cite sources
- select relevant facts, quotations, and details
- revise to clarify and deepen analysis

O.J. DeJonge Middle School

Foundational Math Skills

Students will review and strengthen:

- Addition, subtraction, multiplication, and division
- number sense
- math computation
- Math reasoning

Integers and the Coordinate Plane

Students will:

- Understand positive and negative integers and use them to describe real-life situations.
- Graph integers on a number line.
- Use a number line to compare positive and negative integers.
- Use a number line to order positive and negative integers for real-life situations.
- Understand positive and negative numbers and use them to describe real-life situations.
- Graph numbers on a number line.
- Find the absolute value of numbers.
- Use absolute value to compare numbers in real-life situations.
- Describe the locations of points in the coordinate plane.
- Plot points in the coordinate plane given ordered pairs.
- Find distances between points in the coordinate plane.
- Understand reflections of points in the coordinate plane.

7th Grade Courses

ELA 7   Math 7   Advanced Math 7

Eastern Hemisphere 7 B   Science 7 C

STEAM 7/8   Lifetime Sports and Fitness 7/8

Health and PE 7/8   Fitness Walking 7/8

Woods ⅞   Rocket Cars ⅞   Home Technology ⅞

Drawing and Painting ⅞   Pottery and Sculpture ⅞

Product and Package Design ⅞   Textiles ⅞   History through Film 7/8

Band ⅞   Choir ⅞   Percussion 7/8

SE ELA 7   SE Math 7

Percents & Proportions

- Converting, comparing & ordering decimals, fractions & percents
- Finding percents using the percent proportion and the percent equation
- Use the percent of change formula and the simple interest formula to solve problems
- Use the percent equation to find discounts and markups
- Using scale drawings to find missing measurements

Surface Area & Volume

- Finding the surface area of a prism, pyramid, or cylinder, using a formula
- Finding the volume of prisms and pyramids

Circles & Composite Figures

- Calculating the circumference of circles using common estimates for pi
- Calculating the area of circles and semicircles
- Finding the perimeter and area of composite figures

Probability & Statistics

- Identifying the favorable outcomes of an event
- Finding the probability of an event
- Finding the experimental probability of an event and the theoretical probability of an event
- Using sample spaces and the total number of possible outcomes to find probabilities of compound events
- Identifying and finding probabilities of independent events and dependent events

Advanced Math 7 - Third Trimester

Surface Area and Volume

- Use standard formulas to find and apply the surface areas of prisms, pyramids, and cylinders
- Use standard formulas to find and apply the volumes of prisms and pyramids

Probability and Statistics

- Find and analyze basic probability and experimental/theoretical probability
- Find and analyze compound events, and independent vs. dependent events

Real Numbers and the Pythagorean Theorem

- Finding, using, and approximating square roots and cube roots
- Using the Pythagorean Theorem
- Using the Distance formula

Graphing and Writing Linear Equations and Functions

- Writing and graphing linear equations and functions in slope-intercept and standard form
- Finding and interpreting the slope of a line, slopes of parallel and perpendicular lines
- Graphing and analyzing proportional relationships, linear functions, and non-linear functions

Exponents and Scientific Notation

- Write, evaluate, and apply properties of powers and exponents
- Read, write, and apply scientific notation

O.J. DeJonge Middle School 2022-2023

7th Grade Science - Third Trimester

CHARACTERISTICS OF MATTER

- What is matter? What are properties and states of matter?
- How does matter exist? How does matter behave?
- Atoms/Elements/Compounds
- How is the Periodic Table organized? How can it be useful?

PHYSICAL/CHEMICAL CHANGES

- How do you know if a chemical change has occurred ?
- How is mass conserved during chemical changes?

MATTER & ENERGY

- How are particles affected when thermal energy is added or removed?
- What substances minimize and/or maximize
- How do conduction, convection, and radiation happen?

WAVES & ENERGY? Possibly moved to 8th for 2023-2024

- How do waves transfer energy?
- What are the different types of waves?
- How does amplitude and frequency affect energy?
- How do digital and analog signals compare?

World Religions 1

- How are religions/ belief systems connected to the characteristics of civilization?
- Introduction to Judaism, Christianity and Islam tenets.
- Elements of conflict and cooperation between religious groups in SW Asia.

South Asia

- Geography influencing settlement patterns - historical & now.
- Major contributions of South Asian Empires
- British Colonization of South Asia- cause & effect

World Religions 2

- Monotheistic / Polytheistic religious comparisons
- Introduction to Hinduism, Buddhism & Sikhism
- Elements of conflict and cooperation between religious groups in South Asia

China & Japan

- Geography & settlement patterns of China & Japan.
- Ancient dynasties- characteristics of civilization & related historical topics
- Trade / Economic systems / Government Systems

STEAM 7/8 - Curriculum Snapshot

Engineering Design Process

- Define the criteria and constraints of a design problem.
- Apply scientific and mathematical principles to solve a problem.
- Develop, test, and refine prototypes as part of a cyclical design process
- Evaluate competing design solutions.
- Analyze similarities and differences among design solutions to identify the best characteristics of each in order to combine them into a new solution.
- Exhibit a tolerance for ambiguity, perseverance and the capacity to work with open-ended problems.
- Choose appropriate platforms and tools for meeting the desired objectives.
- Create original works or responsibly repurpose or remix digital resources into new creations
- Contribute constructively to project teams, assuming various roles and responsibilities to work effective toward a common goal.

3D Modeling/Printing

- Identify and explain the axis of 3 dimensions.
- Use technology to design 3D models.
- Design products to be successfully 3D printed and/or laser cut.

STEAM Careers

- Explore the variety of careers available in the STEAM careers.
- See how the problem solving we do in class can translate to the real world.

O.J. DeJonge Middle School 2022-2023

Physical Education/Health 7/8 - Third Trimester

Physical Education Opportunities

~Students will have the opportunity to participate in a different team sports unit every week of the trimester.

~Units include: Basketball, Badminton, Pickleball, Team handball, Tennis, Ultimate Frisbee, Ultimate football, Kickball, Wiffle ball.

~Students will have the opportunity to test their muscular strength and Cardiovascular endurance by completing fitness testing at the beginning and end of the trimester.

Health Concepts

~Students will comprehend concepts related to health promotion and disease prevention to enhance health.

~ Students will analyze the influence of family, peers, culture, media, technology, and other factors on health behaviors.

~Students will demonstrate the ability to access valid information and products and services to enhance health.

~Students will demonstrate the ability to use interpersonal communication skills to enhance health and avoid or reduce health risks.

~Students will demonstrate the ability to use decision-making skills to enhance health.

~Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks

Students will demonstrate the ability to advocate for personal, family, and community health.

Fitness Walking 7/8 - Third Trimester

- Fitness walking gives students the opportunity to walk daily to enhance their cardiovascular endurance.
- Students will learn laws that help walkers and motorist stay safe while exercising.
- Students will learn orienteering concepts to help them with directions.
- Students will have the opportunity to do different workouts to work on muscular and cardiovascular endurance.
- Students will have the opportunity to walk off campus and learn the city layout.

Health Concepts

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~ Students will analyze the influence of family, peers, culture, media, technology, and other factors on health behaviors.

~Students will demonstrate the ability to access valid information and products and services to enhance health.

~Students will demonstrate the ability to use interpersonal communication skills to enhance health and avoid or reduce health risks.

~Students will demonstrate the ability to use decision-making skills to enhance health.

Lifetime Sport & Fitness 7/8 - Third Trimester

Physical Education

- Students will have the opportunity to participate in a different lifetime sport unit each week of the trimester.
- Units include: Basketball, Soccer, Pickleball, Tennis, Badminton, Volleyball, Ultimate Frisbee, Disc Golf, Kickball, Wiffle ball, Golf, Yard games and Outdoor Recreation activities.
- Students will have the opportunity to test their muscular strength and Cardiovascular endurance by completing fitness testing at the beginning and end of the trimester.
- Students will learn and demonstrate proper sportsmanship and healthy habits of a physically literate individual.
- 7/8th grade health concentrates on healthy habits and goals, nutrition & physical activity, safety, communication, decision making, mental health and changes as we grow during the adolescent years.

Health Concepts

~Students will comprehend concepts related to health promotion and disease prevention to enhance health.

~ Students will analyze the influence of family, peers, culture, media, technology, and other factors on health behaviors.

~Students will demonstrate the ability to access valid information and products and services to enhance health.

~Students will demonstrate the ability to use interpersonal communication skills to enhance health and reduce health risks.

~Students will demonstrate the ability to use decision-making skills to enhance health.

Examining the Black Experience in American History through movies:

- ❖ Roots (1750-1890)
- ❖ Harriet (1840-1870)
- ❖ Roots II (1890-1970)
- ❖ The Color Purple (1910-40)
- ❖ The Great Debaters (1935-1936)
- ❖ Marshall (1941)
- ❖ Red Tails (1944-45)
- ❖ 42 (1947)
- ❖ Fences (1950's)
- ❖ Devotion (1950-1953)
- ❖ Malcolm X (1940-1960)
- ❖ Hidden Figures (1961-62)
- ❖ Green Book (1962)

- ❖ The Help (1960's)
- ❖ Selma (1965)
- ❖ Glory Road (1966)
- ❖ Remember the Titans (1970's)
- ❖ The Butler (1952-1986)
- ❖ Just Mercy (1980's)
- ❖ The Hate U Give (1990's)

In addition to assorted videos from *Crash Course Black American History* found on YouTube.

7th Grade SE ELA- Third Trimester

Prefix-Root-Suffix (P-R-S)

Students will:

- Understand the role of prefixes, roots, and suffixes in words
- Be able to recognize common prefix, root, and suffix meanings
- Be able to determine the meaning of unknown words based on prefixes, roots, and suffixes

Nonfiction Reading

Students will:

- determine the central idea of a text
- identify and define text features
- identify and explain nonfiction text structures
- summarize a text
- explain text connections
- use textual evidence to support writing
- Compare and contrast paired texts

Writing: Evidence and Reasoning

Power Writing

Students will:

- analyze to explain evidence & reasoning
- brainstorm viable topics
- categorize information
- select relevant facts, quotations, and details to support claims
- revise to clarify and deepen analysis

READING and GRAMMAR:
Article of the Week (Action Magazine), Daily Language Review, Text-Features, Theater Plays, IXL

Students will:

- analyze and explain the elements of a story
- determine the central idea of a text
- identify and define text features
- annotate the text
- summarize a text
- explain text connections
- increase reading fluency as they read aloud with meaning and emphasis
- Recognize errors in punctuation and grammar

Foundational Math Skills

Students will:

- solve one-step and two-step word problems
- determine which operation to perform.
- divide multi-digit numbers.

Percents

Students will:

- Write percents as decimals.
- Write decimals as percents.
- Compare and order fractions, decimals, and percents.
- Use the percent proportion to find parts, wholes, and percents.
- Use the percent equation to find parts, wholes, and percents.
- Find percents of increase.
- Find percents of decrease.
- Use percent of discounts to find prices of items.
- Use percent of markups to find selling prices of items.
- Use the simple interest formula to find interest earned or paid, annual interest rates, and amounts paid on loans.

Circles and Area

Students will:

- Describe a circle in terms of radius and diameter.
- Understand the concept of pi.
- Find circumferences of circles and perimeters of semicircles.
- Find perimeters of composite figures.
- Find areas of circles and semicircles.
- Find areas of composite figures by separating them into familiar figures.

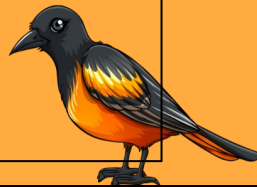## Constructions and Scale Drawings

Students will:

- Identify adjacent and vertical angles.
- Find angle measures using adjacent and vertical angles.
- Classify pairs of angles as complementary, supplementary, or neither.
- Find angle measures using complementary and supplementary angles.
- Construct triangles with given angle measures.
- Construct triangles with given side lengths.
- Understand that the sum of the angle measures of any triangle is 180°.
- Find missing angle measures in triangles.
- Understand that the sum of the angle measures of any quadrilateral is 360°.
- Find missing angle measures in quadrilaterals.
- Construct quadrilaterals. Use scale drawings to find actual distances.
- Find scale factors.
- Use scale drawings to find actual perimeters and areas.
- Recreate scale drawings at a different scale.

Surface Area and Volume

Students will:

- Use two-dimensional nets to represent three-dimensional solids.
- Find surface areas of rectangular and triangular prisms.
- Find surface areas of regular pyramids.
- Find surface areas of cylinders.
- Find volumes of prisms.
- Find volumes of pyramids.
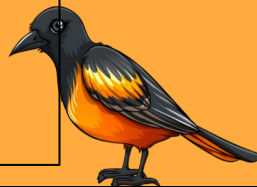- Describe the intersections of planes and solids.

Probability and Statistics

Students will:

- Identify and count the outcomes of experiments.
- Understand the concept of probability and the relationship between probability and likelihood.
- Find probabilities of events.
- Find relative frequencies.
- Use experimental probabilities to make predictions.
- Use theoretical probabilities to find quantities.
- Compare experimental and theoretical probabilities.
- Use tree diagrams, tables, or a formula to find the number of possible outcomes.
- Find probabilities of compound events. Identify independent and dependent events.
- Use formulas to find probabilities of independent and dependent events.
- Use simulations to find experimental probabilities.
- Determine when samples are representative of populations.
- Use data from random samples to make predictions about populations.
- Use multiple samples to make predictions about populations.
- Use measures of center and variation to compare populations.
- Use random samples to compare populations.

8th Grade Courses

ELA 8   Math 8   Algebra 8

US History 8 C   Science 8B

STEAM 7/8   Lifetime Sports and Fitness 7/8

Health and PE 7/8   Fitness Walking 7/8

Woods ⅞   Rocket Cars ⅞   Home Technology ⅞

Drawing and Painting ⅞   Pottery and Sculpture ⅞

Product and Package Design ⅞   Textiles ⅞   History through Film 7/8

Band ⅞   Choir ⅞   Percussion ⅞   Spanish 8 B

SE ELA 8   SE Math 8

Eighth Grade English Language Arts - Third Trimester

Fiction and Nonfiction Reading and Language Skills for Success

Students will:

- Determine the meaning of words and phrases in text using context clues
- Identify the relationship between passages
- Identify author's purpose of a line, passage, and text.
- Cite textual evidence to support a given claim
- Analyze part of the text and identify how that impacts the whole text
- Compare the structure of texts
- Analyze claims and counterclaims
- Correclty use appropriate punctuation, such as colons, semicolons, dashes, and commas used in clauses

Mythology

Students will:

- Analyze literary works in their cultural context
- Determine universal themes
- Compare and contrast similarities and differences in text structure (drama, text, modernized, etc.)
- Determine the meaning of words using Latin and Greek affixes
- Analyze how a text makes connections between individuals, ideas, and events
- Understand the significance of allusions based on mythology
- Gather relevant information from multiple sources
- Notice character types and how they are portrayed
- Understand what role myths have played in the creation of modern fiction

Argumentative Reading and Writing

Students will:

- Analyze the use of rhetorical devices and logical fallacies used in advertisements and in persuasive writing
- Evaluate the argument and specific claims to determine if the evidence is relevant and meaningful.
- Support claims with logical reasoning and relevant evidence using credible sources
- Anticipate counter claims and formulate appropriate rebuttals
- Analyze sources to determine neutral sources or account for their bias
- Quote and paraphrase while avoiding plagiarism
- Cite sources using MLA format

Graphing and Writing Linear Equations and Functions

- Writing and graphing linear equations and functions in slope-intercept and standard form
- Finding and interpreting the slope of a line, slopes of parallel and perpendicular lines
- Graphing and analyzing proportional relationships, linear functions, and non-linear functions

Real Numbers and the Pythagorean Theorem

- Finding, using, and approximating square roots and cube roots
- Using the Pythagorean Theorem
- Using the Distance formula

Systems of Linear Equations

- Solving systems of linear equations by graphing
- Solving systems of linear equations by substitution

Volume of Cylinders, Cones, and Spheres

- Using standard formulas to find the volume of three-dimensional solids
- Applying volume to real world problems

Polynomial Equations and Factoring

- Identifying monomials and classifying polynomials.
- Adding, subtracting, and multiplying polynomials
- Factoring polynomials using a variety of strategies.

Graphing Quadratic Functions

- Graphing $y=ax^2$, $y=ax^2 + c$, $y=ax^2 + bx +c$, and $y=(x-h)^2 + k$.
- Finding and using the focus of a parabola.
- Identifying linear, exponential, and quadratic functions.

Solving Quadratic Equations

- Solving quadratic equations by graphing, using square roots, by completing the square, and by using the quadratic formula.
- Solving systems of linear and quadratic equations.

Square Root Functions and Geometry

- Graphing, simplifying, and solving square root functions and expressions,.
- Using the Pythagorean Theorem and its converse to solve for lengths of a right triangle.
- Using the distance formula.

Geologic Time (Including Changes of Organisms Over Time Supported in the Rock Record.)

- What does the scale of geologic time look like?
- What are the major events during each Geologic Era and Eon?
- What is the evidence of organism adaptation and evolution?
- How are events from geologic history evident in landforms today?
- How did Plate Tectonics and other geologic processes affect the distribution of natural resources?

Forces Affecting Motion (Including the Indirect Forces of Electricity, Magnetism and Gravity)

- How do Newton's 3 laws of motion affect our daily lives?
- How do electricity and magnetism affect each other?
- How does energy convert during different processes of electrical generation?
- How is energy used in various ways to create forces that affect motion?

Our Solar System - Objects, Scale and Interactions

- How does gravity affect objects within our solar system?
- How would a scale model of our solar system look?
- How do Earth, moon and sun relationships create moon phases, tides, and seasons?
- How do we observe the motion and makeup of deep space bodies?

Pre-Civil War Unit

- Explain how regional issues were not resolved
- Explain causes of the Civil War (Political, Social and Economic Causes)

The Civil War Unit

- Describe the Advantages and disadvantages of both sides of the Civil War
- Articulate the impact that the Civil War had on the United States (politically, socially, and economically)
-

Reconstruction Unit

- Evaluate the goals of the Reconstruction
- Describe the Successes and failures of Reconstruction
-

8th Grade Math (Special Education) - Third Trimester

Ch. 4 Graphing and Writing Linear Equations

I can:

- Write/graph linear equations in slope-intercept and standard form
- Find/interpret the slope of a line, slopes of parallel and perpendicular lines
- Graph proportional relationships

Ch.8 Volume of Cylinders, Cones, and Spheres

I can:

- Use formulas to find the volume of three-dimensional solids
- Apply volume to real world problems

Equation Review

I can:

- Identify parts of a equation
- Solve one-step, one-variable equations
- Solve two-step equations

Financial Literacy

I can:

- Review money skills
- Learn about basic banking skills
- Learn about basic budgeting

Eighth Grade - RI English Language Arts - Third Trimester

Nonfiction Reading Unit & Book Project

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- summarize a text
- explain text connections
- use textual evidence to support writing

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- draw inferences from the text
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- describe how a character responds or changes as the plot moves to a resolution.
- use context clues to determine meanings of words I do not know
- identify internal and external conflicts
- make inferences about characters and events in a story
- identify the theme of a story

Informational Research & Writing: Evidence and Reasoning

Students will:

- analyze to explain evidence & reasoning
- brainstorm viable topics
- categorize information
- cite sources
- select relevant facts, quotations, and details
- revise to clarify and deepen analysis

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