



Grade 5

Standards-Based Report Card

Progress Check Points

First Nine Weeks



English/Language Arts

All students should know and be able to:

- Determine a theme of a story, drama, or poem
- Determine the meaning of words and phrases as they are used in a text
- Analyze how visual and multimedia elements contribute to the meaning
- Read and comprehend texts, including stories, dramas, and poetry on grade level text (S/T)
- Quote accurately from a text when explaining what the text says
- Compare and contrast the overall structure of events in two or more texts
- Explain how an author uses reasons support particular points
- Write opinion pieces on topics or texts, supporting a point of view with reasons
- Write informative/explanatory texts to examine a topic and convey ideas and information clearly
- Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences

Science

All students should know and/or be able to:

- Use magnifiers such as microscopes or hand lenses to observe cells and their structure.
- Identify parts of a plant cell (membrane, wall, cytoplasm, nucleus, chloroplasts) and of an animal cell (membrane, cytoplasm, and nucleus) and determine the function of the parts.
- Explain how cells in multi-celled organisms are similar and different in structure and function to single-celled organisms.
- Identify beneficial microorganisms and explain why they are beneficial.
- Identify harmful microorganisms and explain why they are harmful

Mathematics

All students should know and/or be able to:

- Evaluate expressions using grouping symbols such as parentheses, brackets, or braces in numerical expressions
- Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them
- Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left
- Explain patterns in the placement of the decimal point when decimal is multiplied or divided by a power of 10
- Use whole-number exponents to denote powers of 10
- Perform operations with multi-digit whole numbers and with decimals to hundredths
- Read, write, and compare decimals to thousandths
- Use place value understanding to round decimals to any place/Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies

Social Studies

All students should know and/or be able to:

- Explain and use the 5 Themes of Geography
- Explain causes, events, consequences, and geography of the Civil War
- Explain Reconstruction and its implications
- Explain how life changed at the turn of the century
- Communicate spatial patterns of economic activity
- Describe protection of citizens
- Explain and discuss amendments to the Constitution
- Discuss the impact of economics on history
- Describe interaction between businesses and consumers



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Second Nine Weeks



English/Language Arts

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- Determine the meaning of words and phrases as they are used in a text
- Analyze how visual and multimedia elements contribute to the meaning
- Read and comprehend texts, including stories, dramas, and poetry on grade level text (S/T)
- Quote accurately from a text when explaining what the text says
- Compare and contrast the overall structure of events in two or more texts
- Explain how an author uses reasons support particular points
- Write opinion pieces on topics or texts, supporting a point of view with reasons
- Write informative/explanatory texts to examine a topic and convey ideas and information clearly
- Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences

Social Studies

All students should know and/or be able to:

- Explain westward migration
- Explain industrialism and technology
- Explain immigration
- Describe Indian Wars
- Explain spatial patterns of economic activity
- Describe protection of citizens
- Identify Amendments to the Constitution
- Explain World War I
- Describe the 1920s
- Explain the Great Depression
- Explain the New Deal
- Identify geographic features of US
- Explain the role of Government in Economy
- Describe the impact of economics on history
- Describe the interaction between businesses and consumers

Mathematics

All students should know and be able to:

- Explain patterns in the number of zeros of the product when multiplying a number by powers of 10
- Explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10
- Use whole-number exponents to denote powers of 10
- Perform operations with multi-digit whole numbers and with decimals to hundredths
- Use equivalent fractions as a strategy to add and subtract fractions
- Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions
- Interpret a fraction as division of the numerator by the denominator ($a/b = a \div b$)
- Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers
- Find the area of a rectangle with fractional side lengths by tiling it with unit squares of the appropriate unit fraction side lengths, and show that the area is the same as would be found by multiplying the side lengths
- Multiply fractional side lengths to find areas of rectangles, and represent fraction products as rectangular areas
- Solve real world problems involving multiplication of fractions and mixed numbers
- Make a line plot to display a data set of measurements in fraction units ($1/2, 1/4, 1/8$)
- Use operations on fractions for the grade to solve problems involving information presented in line plots

Science

All students should know and/or be able to:

- Compare and contrast the characteristics of learned behaviors and of inherited traits.
- Discuss what a gene is and the role genes play in the transfer of traits.
- Demonstrate how animals are sorted into groups (vertebrate and invertebrate) and how vertebrates are sorted into groups (fish, amphibian, reptile, bird, and mammal).
- Demonstrate how plants are sorted into groups.



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Third Nine Weeks



English/Language Arts

All students should know and be able to:

- Determine the meaning of words and phrases as they are used in a text, including figurative a language such as metaphors
- Analyze how visual and multimedia elements contribute to the meaning, tone, beauty of a text
- By the end of the year, read and comprehend literature, including stories, dramas, and poetry at the high end of leveled readers U and above, and with the grades 4-5 text complexity
- Quote accurately from a text when explaining what the text says explicitly
- Compare and contrast the overall structure of events, ideas, concepts, or information in two or more texts
- Explain how an author uses reasons and evidence to support particular points in a text, identifying which reasons
- Write opinion pieces on topics or texts, supporting a point of view with reasons
- Write informative/explanatory texts to examine a topic and convey ideas and information clearly

Social Studies

All students should know and/or be able to:

- Explain World War II
- Identify geographic features of US
- Explain the Cold War
- Identify key people and events 1950-1975
- Identify geographic features of the US
- Identify spatial patterns of economic activity
- Explain citizen's rights
- Describe the impact of economics on history

Mathematics

All students should know and be able to:

- Graph points on the coordinate plane to solve real world and mathematical problems
- Use a pair of perpendicular number lines, called axes, to define a coordinate system, with the intersection of the lines (the origin) arranged to coincide with the 0 on each line and a given point in the plane located by using an ordered pair of numbers, called its coordinates
- Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation
- Analyze patterns and relationships
- Generate two numerical patterns using two given rules
- Form ordered pairs consisting of corresponding terms from the two patterns, and graph the ordered pairs on a coordinate plane
- Classify tow-dimensional figures into categories based on their properties

Science

All students should know and/or be able to:

- Identify and find examples of surface features caused by destructive processes.
- Identify surface features caused by constructive processes.
- Relate the role of technology and human intervention in the control of constructive and destructive processes.
- Demonstrate that the mass of an object is equal to the sum of its parts by manipulating and measuring different objects made of various parts.
- Investigate how common items have parts that are too small to be seen without magnification.
- Investigate physical changes by separating mixtures and manipulating paper to demonstrate examples of physical change.
- Recognize that the changes in state of water are due to temperature differences and are examples of physical change.
- Investigate the properties of a substance before, during, and after a chemical reaction to find evidence of change.



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Fourth Nine Weeks



English/Language Arts

All students should know and be able to:

- Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text
- Determine a theme of a story, drama, or poem from details in the text, including how characters in a story or drama respond to challenges or how the speaker in a poem reflects upon a topic summarize the text
- Determine the meaning of words and phrases as they are used in a text, including figurative language such as metaphors and similes
- Analyze how visual and multimedia elements contribute to the meaning, tone or beauty of text (e.g., graphic novel, multimedia presentation of fiction, folktale, myth, poem)
- Read and comprehend literature, including stories, dramas, and poetry, at the high end of leveled readers V and above, and with the grades 4-5 text complexity band independently and proficiently
- Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text
- Compare and contrast the overall structure (e.g., chronology, comparison, cause/effect problem/solution) of events, ideas, concepts or information in two or more texts
- Explain how an author uses reasons and evidence to support particular points in text, identifying which reasons and evident supports which point(s)
- Write opinion pieces on topics or texts, supporting a point of view with reasons
- Write informative/explanatory texts to examine a topic and convey idea and information clearly
- Write narratives to develop real or imagine experiences or events using effective technique, descriptive details, and clear event sequences

Social Studies

All students should know and/or be able to:

- Describe the people and events since 1975
- Describe the spatial patterns of economic activity
- Identify the industrial and agricultural centers
- Explain the protection of Citizens' rights
- Identify the Constitutional Amendments
- Explain economic Decision Making
- Explain decisions about saving and spending

Mathematics

All students should know and be able to:

- Classify two-dimensional figures into categories based on their properties
- Convert like measurements units within a given measurement system and use these conversions in solving multi-step, real world problems
- Make and interpret a line plot to display a data set of measurements in fractions of a unit ($1/2$, $1/4$, $1/8$)
- Understand concepts of volume and relate volume to multiplication and division
- Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units
- Relate volume to the operations of multiplications and addition and solve real world and mathematical problems involving volume

Science

All students should know and/or be able to:

- Investigate static electricity.
- Determine the necessary components for completing an electric circuit.
- Investigate common materials to determine if they are insulators or conductors of electricity.
- Compare a bar magnet to an electromagnet.

