

Sixth Grade Learning Skills

Work Skills

- Listens attentively
- Listens and follows directions
- Makes appropriate transitions
- Focuses on and complete work and tasks in a timely, neat manner
- Works independently when appropriate
- Cooperates with and helps others
- Follows multi-step oral and written directions
- Asks questions to aid in understanding

Organizational Skills

- Unpacks and packs backpack
- Demonstrates responsibility for school supplies and personal belongings
- Keeps personal and school supplies neat and organized
- Maintains neat and organized system (binder, expandable file, etc.)
- Brings necessary materials for each class
- Manages time and prioritizes in order to meet deadlines
- Reviews and reflects upon daily class concepts
- Uses daily planner effectively
- Follows daily schedule
- Writes name on papers
- Turns in finished homework assignments on time

Study Skills

- Visits the public library
- Demonstrates library skills
- Accurately copies words and sentences
- Creates and uses **graphic organizers**
- Completes homework assignments averaging 60 minutes five times per week, plus special assignments
- Demonstrates test-taking techniques
- Responds to essay questions
- Writes answers to questions in complete sentences
- Takes notes
- Develops research strategies
- Writes bibliography
- Expresses information in his or her own words
- Respects copyright laws, intellectual property, and internet user agreement
- Distinguishes between essential and non-essential information
- Selects and demonstrates appropriate use of **reference sources**

Sixth Grade Reading

Reading Skills

- Apply **conventions of print** accurately
- Read a variety of genres
- Increase and apply vocabulary
- Arranges words in alphabetical order
- Read sight words
- Read **Fry's Common Words 1-1000**
- Identify words from other languages
- Use homophones, homographs, words with multiple meanings, synonyms, and antonyms
- Use contractions, compound words, suffixes and prefixes
- Use picture, context, phonetic, root words, word origins, and syllabication clues to identify unknown words
- Recognize changes in words to express plural, possessive, and tense
- Use appropriate volume, intonation, enunciation, expression, and rate of fluency
- Use punctuation to guide fluent oral reading
- Self-corrects
- Participate in paired, choral, and shared reading
- Choose appropriate material to read independently

Phonics

- Apply phonics, structural analysis, syllabication to understand and decode new words

Comprehension

- Establishes a purpose for reading
- Recognize and discusses universal themes in literature
- Actively listen and respond to oral reading
- Interpret illustrations
- Apply prior knowledge
- Generates questions
- Skims text
- Explains connections within a text, to other text, to personal experience, text to the world
- Visualize
- Preview text and make, confirms, and revises predictions
- Make inferences and draws conclusions
- Dramatize
- Summarizes
- Paraphrases
- Begin to synthesize
- Compare and contrasts the differences between summarizing, paraphrasing and plagiarizing
- Identify topic sentence, main idea, supporting details, and cause and effect
- Categorizes, compare, and contrasts organizational patterns of text

- Use criteria to develop **literary responses**
- Analyzes through rereading and discussion

Literary Analysis

- Summarizes and analyzes author's purpose and theme
- Begin to analyze the author's use of literary devices
- Express and support opinion
- Identify and compare and contrasts the characteristics of biographies, autobiographies, articles, mysteries, novels, short stories, personal narratives, speeches, historical fiction, science fiction, persuasive essays, interviews, literature responses, journals, diaries, and letters
- Compare and contrasts realism, fantasy, fiction, non-fiction, fact, and opinion
- Demonstrates an understanding of **literary elements** (plot, setting, character, character motivation and action, theme, conflict, climax, point of view, resolution, foreshadowing, dialogue, exaggeration, bias, mood, symbolism)
- Demonstrates an understanding of **literary devices** (rhyme, repetition, alliteration, onomatopoeia, dialogue, humor, analogies, imagery, personification, simile, metaphor, colloquialism, connotation, denotation, slang, idiom, hyperbole, flashback, suspense)
- Analyzes the structure of poetry
- Examine, compare and contrasts works of literature through a variety of media

Sixth Grade Language Arts

Grammar

- Uses conventional English
- Recognizes parts of speech and their functions
- Identifies and uses verb tenses
- Demonstrates correct subject and verb agreement
- Uses correct homophone
- Uses and punctuates declarative, interrogative, exclamatory, and imperative sentences
- Identifies and uses complete simple and compound sentences
- Begins to identify and use complex sentences
- Identifies complete and compound subjects and predicates
- Identifies sentence fragments and run-on sentences
- Diagrams simple and compound sentences
- Begins to diagram complex sentences
- Identifies prepositional phrases, including the object of the preposition
- Begins to identify various phrases and clauses
- Identifies direct and indirect objects and the subject complement
- Identifies and uses capitalization, punctuation, quotation marks, commas, and apostrophes

Writing

- Uses the **writing process**
- Writes complete simple and compound sentences
- Begins to write complex sentences
- Writes in paragraph form using topic sentence, supporting details, and closing sentence
- Uses transitional words and phrases
- Writes multi-paragraph pieces
- Uses relevant illustrations
- **Writes for various purposes** and for various audiences
- Writes using a variety of **genres** (poetry, **journal writing**, reports, letters, persuasive essays, opinion essays, narratives, summaries, paraphrasing, short stories, literature responses)
- Uses **literary elements**

Speaking and Listening

- Demonstrates increased attention
- Increases and applies vocabulary
- Displays courtesy and manners in speaking and listening
- Listens for various purposes
- Analyzes intent and content of speaker's message
- Follows multi-step directions
- Participates in discussions, remaining on topic
- Asks and answers questions appropriately
- Listens to and acknowledges the contributions of others

- Sets a purpose for speaking
- Makes oral presentations using a variety of methods
- Organizes thoughts
- Uses appropriate volume, intonation, enunciation, and rate of fluency, paying attention to poise and eye contact

Spelling

- Uses conventional spelling
- Spells **Sitton high frequency words 1-800**
- Spells grade level words related to subject areas
- Uses word banks
- Writes sentences dictated by the teacher
- Applies spelling skills to written work

Handwriting

- Demonstrates correct posture, paper position, and pencil grip for writing
- Prints legibly
- Uses and reads cursive writing
- Forms and spaces letters and words correctly
- Indents correctly and maintains margins

Mathematics | Grade 6

In Grade 6, instructional time should focus on four critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and (4) developing understanding of statistical thinking.

(1) Students use reasoning about multiplication and division to solve ratio and rate problems about quantities. By viewing equivalent ratios and rates as deriving from, and extending, pairs of rows (or columns) in the multiplication table, and by analyzing simple drawings that indicate the relative size of quantities, students connect their understanding of multiplication and division with ratios and rates. Thus students expand the scope of problems for which they can use multiplication and division to solve problems, and they connect ratios and fractions. Students solve a wide variety of problems involving ratios and rates.

(2) Students use the meaning of fractions, the meanings of multiplication and division, and the relationship between multiplication and division to understand and explain why the procedures for dividing fractions make sense. Students use these operations to solve problems. Students extend their previous understandings of number and the ordering of numbers to the full system of rational numbers, which includes negative rational numbers, and in particular negative integers. They reason about the order and absolute value of rational numbers and about the location of points in all four quadrants of the coordinate plane.

(3) Students understand the use of variables in mathematical expressions. They write expressions and equations that correspond to given situations, evaluate expressions, and use expressions and formulas to solve problems. Students understand that expressions in different forms can be equivalent, and they use the properties of operations to rewrite expressions in equivalent forms. Students know that the solutions of an equation are the values of the variables that make the equation true. Students use properties of operations and the idea of maintaining the equality of both sides of an equation to solve simple one-step equations. Students construct and analyze tables, such as tables of quantities that are in equivalent ratios, and they use equations (such as $3x = y$) to describe relationships between quantities.

(4) Building on and reinforcing their understanding of number, students begin to develop their ability to think statistically. Students recognize that a data distribution may not have a definite center and that different ways to measure center yield different values. The median measures center in the sense that it is roughly the middle value. The mean measures center in the sense that it is the value that each data point would take on if the total of the data values were redistributed equally, and also in the sense that it is a balance point. Students recognize that a measure of variability (interquartile range or mean absolute deviation) can also be useful for summarizing data because two very different sets of data can have the same mean and

median yet be distinguished by their variability. Students learn to describe and summarize numerical data sets, identifying clusters, peaks, gaps, and symmetry, considering the context in which the data were collected.

Students in Grade 6 also build on their work with area in elementary school by reasoning about relationships among shapes to determine area, surface area, and volume. They find areas of right triangles, other triangles, and special quadrilaterals by decomposing these shapes, rearranging or removing pieces, and relating the shapes to rectangles. Using these methods, students discuss, develop, and justify formulas for areas of triangles and parallelograms. Students find areas of polygons and surface areas of prisms and pyramids by decomposing them into pieces whose area they can determine. They reason about right rectangular prisms with fractional side lengths to extend formulas for the volume of a right rectangular prism to fractional side lengths. They prepare for work on scale drawings and constructions in Grade 7 by drawing polygons in the coordinate plane.

Grade 6 Overview

Ratios and Proportional Relationships

- Understand ratio concepts and use ratio reasoning to solve problems.

The Number System

- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
- Compute fluently with multi-digit numbers and find common factors and multiples.
- Apply and extend previous understandings of numbers to the system of rational numbers.

Expressions and Equations

- Apply and extend previous understandings of arithmetic to algebraic expressions.
- Reason about and solve one-variable equations and inequalities.
- Represent and analyze quantitative relationships between dependent and independent variables.

Geometry

- Solve real-world and mathematical problems involving area, surface area, and volume.

Statistics and Probability

- Develop understanding of statistical variability.
- Summarize and describe distributions.

Mathematical Practices

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Ratios and Proportional Relationships**6.RP****Understand ratio concepts and use ratio reasoning to solve problems.**

1. Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. *For example, "The ratio of wings to beaks in the bird house at the zoo was 2:1, because for every 2 wings there was 1 beak." "For every vote candidate A received, candidate C received nearly three votes."*
2. Understand the concept of a unit rate a/b associated with a ratio $a:b$ with $b \neq 0$, and use rate language in the context of a ratio relationship. *For example, "This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is $3/4$ cup of flour for each cup of sugar." "We paid \$75 for 15 hamburgers, which is a rate of \$5 per hamburger."*¹
3. Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.
 - a. Make tables of equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.
 - b. Solve unit rate problems including those involving unit pricing and constant speed. *For example, if it took 7 hours to mow 4 lawns, then at that rate, how many lawns could be mowed in 35 hours? At what rate were lawns being mowed?*
 - c. Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means $30/100$ times the quantity); solve problems involving finding the whole, given a part and the percent.
 - d. Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.

The Number System**6.NS****Apply and extend previous understandings of multiplication and division to divide fractions by fractions.**

1. Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions, e.g., by using visual fraction models and equations to represent the problem. *For example, create a story context for $(2/3) \div (3/4)$ and use a visual fraction model to show the quotient; use the relationship between multiplication and division to explain that $(2/3) \div (3/4) = 8/9$ because $3/4$ of $8/9$ is $2/3$. (In general, $(a/b) \div (c/d) = ad/bc$.) How much chocolate will each person get if 3 people share $1/2$ lb of chocolate equally? How many $3/4$ -cup servings are in $2/3$ of a cup of yogurt? How wide is a rectangular strip of land with length $3/4$ mi and area $1/2$ square mi?*

Compute fluently with multi-digit numbers and find common factors and multiples.

2. Fluently divide multi-digit numbers using the standard algorithm.
3. Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation.
4. Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1-100 with a common factor as a multiple of a sum of two whole numbers with no common factor. *For example, express $36 + 8$ as $4(9 + 2)$.*

¹Expectations for unit rates in this grade are limited to non-complex fractions.

Apply and extend previous understandings of numbers to the system of rational numbers.

5. Understand that positive and negative numbers are used together to describe quantities having opposite directions or values (e.g., temperature above/below zero, elevation above/below sea level, credits/debits, positive/negative electric charge); use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation.
6. Understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane with negative number coordinates.
 - a. Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself, e.g., $-(-3) = 3$, and that 0 is its own opposite.
 - b. Understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane; recognize that when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes.
 - c. Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.
7. Understand ordering and absolute value of rational numbers.
 - a. Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram. *For example, interpret $-3 > -7$ as a statement that -3 is located to the right of -7 on a number line oriented from left to right.*
 - b. Write, interpret, and explain statements of order for rational numbers in real-world contexts. *For example, write $-3^{\circ}\text{C} > -7^{\circ}\text{C}$ to express the fact that -3°C is warmer than -7°C .*
 - c. Understand the absolute value of a rational number as its distance from 0 on the number line; interpret absolute value as magnitude for a positive or negative quantity in a real-world situation. *For example, for an account balance of -30 dollars, write $|-30| = 30$ to describe the size of the debt in dollars.*
 - d. Distinguish comparisons of absolute value from statements about order. *For example, recognize that an account balance less than -30 dollars represents a debt greater than 30 dollars.*
8. Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.

Expressions and Equations

6.EE

Apply and extend previous understandings of arithmetic to algebraic expressions.

1. Write and evaluate numerical expressions involving whole-number exponents.
2. Write, read, and evaluate expressions in which letters stand for numbers.
 - a. Write expressions that record operations with numbers and with letters standing for numbers. *For example, express the calculation "Subtract y from 5" as $5 - y$.*

- b. Identify parts of an expression using mathematical terms (sum, term, product, factor, quotient, coefficient); view one or more parts of an expression as a single entity. *For example, describe the expression $2(8 + 7)$ as a product of two factors; view $(8 + 7)$ as both a single entity and a sum of two terms.*
 - c. Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations). *For example, use the formulas $V = s^3$ and $A = 6s^2$ to find the volume and surface area of a cube with sides of length $s = \frac{1}{2}$.*
3. Apply the properties of operations to generate equivalent expressions. *For example, apply the distributive property to the expression $3(2 + x)$ to produce the equivalent expression $6 + 3x$; apply the distributive property to the expression $24x + 18y$ to produce the equivalent expression $6(4x + 3y)$; apply properties of operations to $y + y + y$ to produce the equivalent expression $3y$.*
 4. Identify when two expressions are equivalent (i.e., when the two expressions name the same number regardless of which value is substituted into them). *For example, the expressions $y + y + y$ and $3y$ are equivalent because they name the same number regardless of which number y stands for.*

Reason about and solve one-variable equations and inequalities.

5. Understand solving an equation or inequality as a process of answering a question: which values from a specified set, if any, make the equation or inequality true? Use substitution to determine whether a given number in a specified set makes an equation or inequality true.
6. Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set.
7. Solve real-world and mathematical problems by writing and solving equations of the form $x + p = q$ and $px = q$ for cases in which p , q and x are all nonnegative rational numbers.
8. Write an inequality of the form $x > c$ or $x < c$ to represent a constraint or condition in a real-world or mathematical problem. Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely many solutions; represent solutions of such inequalities on number line diagrams.

Represent and analyze quantitative relationships between dependent and independent variables.

9. Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation. *For example, in a problem involving motion at constant speed, list and graph ordered pairs of distances and times, and write the equation $d = 65t$ to represent the relationship between distance and time.*

Geometry

6.G

Solve real-world and mathematical problems involving area, surface area, and volume.

1. Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

2. Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Apply the formulas $V = l w h$ and $V = b h$ to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.
3. Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems.
4. Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world and mathematical problems.

Statistics and Probability

6.SP

Develop understanding of statistical variability.

1. Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers. *For example, "How old am I?" is not a statistical question, but "How old are the students in my school?" is a statistical question because one anticipates variability in students' ages.*
2. Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center, spread, and overall shape.
3. Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.

Summarize and describe distributions.

4. Display numerical data in plots on a number line, including dot plots, histograms, and box plots.
5. Summarize numerical data sets in relation to their context, such as by:
 - a. Reporting the number of observations.
 - b. Describing the nature of the attribute under investigation, including how it was measured and its units of measurement.
 - c. Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.
 - d. Relating the choice of measures of center and variability to the shape of the data distribution and the context in which the data were gathered.

Sixth Grade Life Science

- Observe, discuss, and participate in the scientific method
- Demonstrate knowledge of science concepts through hands-on science projects, labs, and activities
- Identify significant equipment, instruments, and scientists in each discipline

Microscope

- Describe the difference between a compound microscope and an electron microscope
- Identify parts and demonstrate knowledge of operating a compound microscope
- Create a wet mount slide for observation

Classification of Living Things

- Explain the processes of living things: energy, stimuli, response, growth and development, reproduction, and adaptation
- List and describe kingdom, phylum, class, order, family, genus, and species
- List and describe Kingdoms Fungi, Monera, Plantae, Protista, and Animalia
- Identify living things by utilizing the taxonomic key

Cells

- Identify and discuss the components of the cell theory
- Identify, compare and contrast plant and animal cells
- Identify and describe the parts of the cell and their functions
- Distinguish between diffusion and osmosis
- Compare and contrast mitosis and meiosis

Kingdoms Monera, Protista, and Fungi

- Observe and describe the characteristics of monerans, protists, and fungi and how they live, grown, and reproduce

Kingdom Animalia

- Identify, describe, and classify examples of invertebrates according to the phylum Sponges, Cnidarians, Worms, Mollusks, Arthropods, Insects, and Echinoderms
- Identify, describe, and classify examples of vertebrates according to the phylum Fish, Amphibians, Reptiles, Birds, and Mammals

Kingdom Plantae

- Describe the evolution and adaptation of plants
- Examine the chemical interactions (including photosynthesis and respiration) of plants

- Compare and contrast vascular and nonvascular plants
- Compare and contrast flowering and non-flowering plants by their structure, function, and methods of reproduction

Ecology

- Describe the process of succession within an ecosystem
- Analyze and illustrate the natural cycles within an ecosystem
- Differentiate between the biotic and abiotic parts of an ecosystem
- Distinguish between habitats and niches
- Distinguish between a food chain, food web, and energy pyramid

Genetics

- Analyze the principles of genetics
- Explain patterns of inheritance including dominant genes, recessive, genes, genotypes, phenotypes, mutations, inherited disorders, and sex-linked traits
- Demonstrate the use of a Punnett square
- Describe the function and structure of DNA

Sixth Grade Environmental Education

Ecology

Describes the roles of producers, consumers, and decomposers within a local ecosystem
Explains the basic components of the water cycle
Describes different food webs including a food web incorporating humans
Explains the costs and benefits of recycling in controlling resource use

Watersheds and Wetlands

Identifies the five major watersheds of Pennsylvania
Describes the characteristics of soils found in a wetland
Identifies natural and human-made factors that affect water quality

Agriculture and Society

Explains how different plants and animals in the United States have specific growing requirements related to climate and soil conditions
Analyzes how soil types and geographic regions have impacted agriculture in Pennsylvania

Humans and the Environment

Examines how historical events have shaped the sustainable use of natural resources
Identifies key people and events that shaped the environmental history in the United States
Illustrates how human actions and natural events change the environment; past, present, and future
Integrates ways to protect natural habitats
Experiments with methods that may reduce or prevent pollution
Analyzes the impact of pollution on the environment
Practices ways to reduce, reuses and recycle
Relates local, state, and federal laws and agencies to environmental concerns

Sixth Grade Social Studies

Civics and Government

- Identify and discuss the functions and responsibilities of the three branches of United States government and how they compare to the government structures of the Ancient World
- Describe the principles and ideals shaping liberty, freedom, democracy, justice and equality, and how these principles compare to those in the Ancient World
- Identify and discuss Ancient World symbols, songs, speeches, slogans, documents, and holidays
- Compare individual rights and responsibilities of the people of the Ancient World to those of today
- Analyze and demonstrate the principles of citizenship
- Recite and discuss the Pledge of Allegiance and the School Pledge
- Sing the National Anthem
- Examine and discuss the importance of political leadership and public service
- Identify various types of governments
- Understand the rule of law in protecting property rights, individual rights, and the common good
- Demonstrate “Be Safe, Be Respectful, Be Responsible”
- Explain the role of courts in resolving conflicts over the principles and ideals of government
- Explain the difference between allies and adversaries
- Participate in and describe the voting process including registration, primaries, and general elections
- Participate in a service project and discuss its impact on the community
- Identify a problem within the local community and discuss possible solutions
- Discuss current events and the role media plays in reporting issues
- Describe the influence of mass media on society

Geography

- Identify, discuss and connect the five themes of geography
- Use, read, and create maps with keys
- Explain and illustrate how geographic tools are used to organize and interpret information about people, places, and environments
- Name and locate major cities, physical features, bodies of water, and boundaries in the Ancient World
- Describe and locate places and regions as defined by physical and human features
- Illustrate the interaction between people, animals, natural events, and physical and human features of the environment
- Examine the human and cultural characteristics of the Ancient World
- Examine natural events and their effect on the Ancient World

Economics

- Define and discuss the relationship of goods, services, consumers and producers in local, regional, and national markets
- Define and identify scarcity of resources within the national community
- Explain how limited resources and unlimited wants cause scarcity
- Define and explain currency, income, savings, taxes, profit, and prices
- Examine how various economic systems address the three common questions: What to produce, How to produce it, and For whom to produce it
- Identify incentives which affect personal choices
- Discuss examples and impact of trade
- Describe the impact of government involvement in state and national economic activities
- Explain why people specialize in the production of goods and services and divide labor
- Illustrate how a good moves from production to consumption
- Illustrate how resources, transportation, communication, and technology effect United States commerce
- Explain the role of entrepreneurship across the nation
- Explain how advertising influences economic decisions
- Discuss natural and human resources in the United States

History

(Sixth Grade History will focus on the time period identified as the Ancient World. This time period is the Beginning of Recorded Human History through the Decline of the Roman Empire.)

- Identify and discuss time and place of significant events in the Ancient World
- Identify and explain the importance of historical figures, artifacts, places, and documents of the Ancient World
- Discuss the social, political, cultural, religious, and economic contributions of individuals and groups during the Ancient World
- Examine patterns of conflict and cooperation among groups and organizations that impacted the development of the Ancient World
- Differentiate between fact and opinion, multiple points of view, and primary and secondary sources
- Explain why cultures of the Ancient World have commemorations and celebrations
- Discuss and explain the role of communication in the Ancient World

Sixth Grade Character Education

- Describe and interpret feelings
- Use social cues to appropriately modify behavior
- Recognize and accept similarities and differences in others
- Examine and relate situations that evoke feelings
- Use "I" messages
- Respond appropriately to someone in distress
- Demonstrate interpersonal skills
- Identify intent of action and accept responsibility
- Recognize and accept the rights of others
- Demonstrate self-control
- Understand the cause and effect of choice and behavior
- Discuss and manage anger through appropriate techniques
- Describe and use strategies to avoid or manage conflict and violence
- Demonstrate positive ways to respond to behaviors of others
- Show respect to self and others
- Use problem solving skills
- Define and identify bullying behavior
- Abide by St. Stephen's bullying policy
- Practice good manners and proper etiquette

Sixth Grade Health

Mental and Social Health

- Realizes and accepts the growing responsibility of making choices
- Describes methods of contending with difficulties in dealing with various problems and situations
- Identifies and seeks resources available for guidance and development

Growth and Development

- Identifies and describes the structure and function of the reproductive, circulatory, nervous, digestive, and immune systems
- Discusses how human reproduction occurs
- Identifies the anatomy of both male and female reproductive systems
- Describes the emotional and physical changes during puberty
- Identifies and describes the characteristics of the human life cycle
- Describes how personal choice can impact health maintenance and disease prevention
- Explains how traits and diseases are passed from mother to child in utero
- Explains the stages of development from conception to birth

Hygiene and Personal Health

- Practices good body and dental hygiene
- Explains the relationship between personal health practices and individual well being
- Demonstrates decision making and refusal skills
- Analyzes prevention and intervention strategies in relation to drug use

Practices

- Practices and studies a healthy lifestyle by participating in yoga and conditioning

Sixth Grade Art

- create art through the use of shape, color, texture, line, pattern, and composition
- create and describe the effects made by a variety of materials and tools
- describe, react, evaluate, and interpret works of art
- discuss art through a variety of medium
- explore different periods and artists in history
- view and discuss a collection of art
- appreciate their own artistic creations and the works and opinions of others
- use imaginations to create individualized design
- experience and explore a variety of art exhibits and performances

Sixth Grade Religion

Biblical Stories

- Listen to, discuss, and analyze various Bible stories from the Old and New Testament
- Explore biblical stories through different media
- Listen to and sing Bible songs

Traditions

- Demonstrate familiarity with aspects of worship and chapel procedures
- Recite the Lord's Prayer and the Apostle's Creed
- Listen to, respond to, and retell stories of the People of Faith
- Listen to and perform songs for worship

Religion and the Environment

- Explore the connection between religion and the environment
- Explore and discuss various behaviors of responsible stewardship
- Demonstrate an understanding of the stewardship of creation
- Explore theories of creation
- Discuss ecumenical philosophies of environmental stewardship

Peace and Justice

- Show respect for self and others
- Explore, apply, and explain ethical decision making skills
- Explore, apply, and explain conflict resolution skills
- Explore and discuss issues of peace and justice in current events
- Explore and discuss environmental issues of justice and ethics

Sixth Grade World Language

- Understands and responds to greetings, introductions, and courtesy expressions
- Initiates and engages in conversation
- Uses, writes, and reads sentences
- Recites numbers 0-1000
- Varies voice and speech techniques
- Uses and applies noun, pronoun and verb forms, correct word order, and articles
- Classifies and categorizes fruits, vegetables, family members, colors, classroom objects, rooms in a home, animals, body parts, weather, clothing, shapes, and universe words
- Identifies and writes calendar concepts, including time
- Examines, discusses, and demonstrates a knowledge of culture
- Examines connections to other cultures

Sixth Grade Music

- Creates, responds to, and performs music
- Composes and performs an original group piece
- Classifies and distinguishes instruments
- Compares and contrasts musical styles
- Analyzes musical compositions
- Harmonizes with a group
- Understands and expands voice range
- Listens to, discusses, and examines music from a variety of cultures, styles, and time periods, in different mediums
- Examines and describes composers and their compositions
- Performs musical compositions
- Demonstrates an appreciation of music

Sixth Grade Physical Education

- Develops and uses vocabulary
- Identifies and engages in physical activities that promote physical fitness and health
- Performs balance, agility, cardio, stretching, and strength building activities
- Demonstrates accurate throwing, catching, and kicking skills
- Analyzes and engages in activities that promote personal fitness goals
- Participates in complex games and physical activities, offensive strategies, defensive strategies, and time management
- Participates in structured activities, including team play
- Demonstrates lead-up skills
- Demonstrates rule knowledge and strategy application
- Understands and demonstrates the need for rules, good sportsmanship, cooperation, and teamwork

Sixth Grade Computer

General

- Demonstrates proper use and care of all technology equipment
- Demonstrates proper posture and position
- Uses and explains computer terminology
- Uses all keys on keyboard and keyboard shortcuts

Word Processing

- Creates, manipulates, and edits documents with graphics and tables
- Saves, retrieves, and prints documents
- Inserts headers and footers in documents
- Creates outlines with appropriate use of tabs
- Creates graphic organizers
- Uses thesaurus and dictionary in word processing programs
- Creates and inserts tables within documents
- Formats and inputs data in tables

Keyboarding

- Uses correct keyboarding skills to type a minimum of 15 words per minute
- Uses typing conventions
- Increases accuracy and efficiency in typing

Internet

- Demonstrates appropriate and responsible use of internet sites
- Demonstrates knowledge of protecting personal information when using the internet
- Evaluates appropriateness or inappropriateness of internet information
- Discusses the importance of reporting inappropriate content and contact to adults
- Creates strong passwords, and discusses the importance of password privacy
- Explains that information placed on the internet can be seen by others and remains there forever
- Explains the risks of computer and internet security issues, i.e. viruses, spam, etc.
- Describes what constitutes cyberbullying and explains its ramifications
- Explains the dangers associated with social networking
- Recognizes and respect basic copyright laws
- Demonstrates safe downloading
- Searches for specific information using a search engine
- Uses multiple tabs within a browser
- Bookmarks webpages
- Uses copy and paste functions

- Creates and sends emails with attachments
- Gathers information for citations

Spreadsheets

- Creates and sorts spreadsheets
- Uses formulas in cells
- Formats spreadsheets

Powerpoint

- Organizes learning concepts
- Creates a presentation