

SEVENTH GRADE SECOND NINE WEEKS

READING

Reading Applications: Informational, Technical, and Persuasive Text

- A 1.** Use text features, such as chapter titles, headings and subheadings; parts of books, including the index and table of contents and online tools (search engines) to locate information.
- B 2.** Analyze examples of cause and effect and fact and opinion.
- C 3.** Compare and contrast different sources of information including books, magazines, newspapers and online resources, to draw conclusions about a topic.
- D 7.** Identify and understand an author's purpose for writing and explain an author's argument, perspective or viewpoint in text.

Acquisition of Vocabulary

- A 1.** Define the meaning of unknown words by using context clues and the author's use of definition, restatement and example.
- B 3.** Infer word meanings through the identification of analogies and other word relationships, including synonyms and antonyms.
- C 2.** Apply knowledge of connotation and denotation to determine the meaning of words.
- E 6.** Use knowledge of Greek, Latin and Anglo-Saxon roots and affixes to understand vocabulary.
- F 8.** Determine the meanings and pronunciations of unknown words by using dictionaries, thesauruses, glossaries, technology and textual features, such as definitional footnotes or sidebars.

Reading Applications: Literacy Text

- A 1.** Explain interactions and conflicts (e.g., character vs. Self, nature or society) between main and minor characters in literary text and how the interactions affect the plot.
- B 2.** Analyze the features of setting and explain their importance in literary text.
- E 5.** Identify recurring themes, patterns and symbols found in literature from different eras and cultures.
- G 7.** Interpret how mood or meaning is conveyed through word choice, figurative language and syntax.

Reading Process: Concepts of Print, Comprehension Strategies and Self-Monitoring Strategies

- A 1.** Establish and adjust purposes for reading, including to find out, to understand, to interpret, to enjoy and to solve problems.
- B 2.** Predict or hypothesize as appropriate from information in the text, substantiating with specific references to textual examples that may be in widely separated sections of text.
- B 3.** Make critical comparisons across texts, noting author's style as well as literal and implied content of text.
- B 4.** Summarize the information in texts, recognizing important ideas and supporting details and noting gaps or contradictions.
- C 6.** Answer literal, inferential, evaluative and synthesizing questions to demonstrate comprehension of grade-appropriate print texts, electronic and visual media.
- D 8.** Use criteria to choose independent reading materials (e.g., personal interest, knowledge of authors and genres, or recommendations from others)
- D 9.** Independently read books for various purposes (e.g., for enjoyment, for literary experience, to gain information or to perform a task.)

WRITING

Writing Applications

- B 2.** Write responses to novels, stories, poems and plays that provide an interpretation, critique or reflection and support judgments with specific references to the text.
- E 6.** Produce informal writings (e.g., journals, notes and poems) for various purposes.

Writing Conventions

- A 1.** Spell frequently misspelled and high-frequency words correctly.
- B 2.** Use commas, end marks, apostrophes and quotation marks correctly.
- B 3.** Use semicolons, colons, hyphens, dashes and brackets.
- B 4.** Use correct capitalization.
- C 5.** Use all eight parts of speech (e.g., noun, pronoun, verb, adverb, adjective, conjunction, preposition, interjection)
- C 6.** Use dependent and independent clauses.
- C 7.** Use subject-verb agreement with collective nouns, indefinite pronouns, compound subjects and prepositional phrases.
- C 8.** Conjugate regular and irregular verbs in all tenses correctly.

Communication: Oral and Visual

- A 1.** Demonstrate active listening strategies (e.g., asking focused questions, responding to cues, making visual contact.)
- A 2.** Draw logical inferences from presentations and visual media.

Writing Process

- A 1.** Generate writing ideas through discussions with others and from printed material, keep a list of writing ideas.
- A 2.** Conduct background reading, interviews or surveys when appropriate.
- A 3.** Establish a thesis statement for informational writing or a plan for narrative writing.
- B 4.** Determine a purpose and audiences.
- C 5.** Use organizational strategies(e.g., rough outlines, diagrams, maps, webs and Venn diagrams) to plan writing.
- D 6.** Organize writing with an effective and engaging introduction, body and a conclusion that summarizes, extend or elaborates on points or ideas in the writing.
- D 7.** Vary simple, compound and complex sentence structures.
- D 8.** Group related ideas into paragraphs, including topic sentences following paragraph form, and maintain a consistent focus across paragraphs.
- D 9.** Use precise language, action verbs, sensory details, colorful modifiers and style as appropriate to audience and purpose.
- D 10.** Use available technology to compose text.
- D 11.** Reread and analyze clarity of writing.
- D 12.** Add and delete information and details to better elaborate on a stated central idea and to more effectively accomplish purpose.
- D 13.** Rearrange words, sentences and paragraphs, and add transitional words and phrases to clarify meaning.
- E 14.** Use resources and reference materials (e.g., dictionaries and thesauruses) to select more effective vocabulary.
- F 15.** Proofread writing, edit to improve conventions (e.g., grammar, spelling, punctuation and capitalization) and identify and correct fragments and run-ons.
- G 16.** Apply tools (e.g., rubric, checklist and feedback) to judge the quality of writing.

MATH

Number, Number Sense and Operations

- H 8.** Develop and analyze algorithms for computing with percents and integers, and demonstrate fluency in their use.
- I 7.** Solve problems using the appropriate form of a rational number (fraction, decimal or percent)

Patterns, Functions, and Algebra

- J 8.** Use formulas in problem-solving situations.

Geometry and Spatial Sense

- D 2.** Determine sufficient (not necessarily minimal) properties that define a specific two-dimensional figure or three-dimensional object. For example:
- Determine when one set of figures is a subset of another; e.g., all squares are rectangles
 - Develop a set of properties that eliminates all but desired figure e.g., only squares are quadrilaterals with all sides congruent and all angles congruent.
- E 1.** Use proportional reasoning to describe and express relationships between parts and attributes of similar and congruent figures.
- E 6.** Determine and use scale factors for similar figures to solve problems using proportional reasoning.
- F 4.** Determine necessary conditions for congruence of triangles.
- G 5.** Apply properties of congruent or similar triangles to solve problems involving missing lengths and angle measures.
- J 1.** Use proportional reasoning to describe and express relationships between parts and attributes of similar and congruent figures.

SEVENTH GRADE SECOND NINE WEEKS

MATH CONTINUED

Measurement

- A 1** Select appropriate units of measuring derived measurements e.g., miles per hour, revolutions per minute.
- E 4.** Solve problems involving proportional relationships and scale factors; e.g., scale models that require unit conversions within the same measurement system.

SOCIAL STUDIES

History

- A 1.** Group events by broadly defined historical eras and enter onto multiple-tier lines.
- B 2.** Describe the enduring impact of early civilizations in India, China, Egypt, Greece, and Rome after 1000 B.C.

Government

- C 2.** Describe the essential characteristics of the systems of government found in city-states, kingdoms and empires from ancient times through the Middle Ages.

Economics

- A 1.** Compare the endowment of productive resources in world regions and explain how this endowment contributed to specialization, trade and interdependence in ancient times.
- B 2.** Describe the growth of cities and the establishment of trade routes in Asia, Africa and Europe; the products and inventions that traveled along these routes (e.g., spices textiles, paper, precious metals and new crops); and the role of merchants.

Citizenship Rights and Responsibilities

- B 2.** Describe the rights found in the Magna Carta and show connections to rights Americans have today.

Geography

- A 1.** For each of the societies studied, identify the location of significant physical and human characteristics on a map of the relevant region.
- A 2.** On a map, identify places related to the historical events being studied and explain their significance.
- B 3.** Describe changes in the physical and human characteristics of regions that occur over time and identify the consequences of such changes.
- C 4.** Use physical and historical maps to analyze the reasons that human features are located in particular places.
- D 5.** Describe the geographic factors and processes that contribute to the impede the diffusion of people, products and ideas from place to place including:
- Physical features
 - Culture
 - War
 - Trade
 - Technological innovations

People in Societies

- A 1.** Analyze the relationships among cultural practices, products and perspectives of early civilizations.
- C 3.** Give examples of contacts among different cultures that led to the changes in belief systems, art, science, technology, language or systems of government.
- C 4.** Describe the cultural and scientific legacies of African, Greek, Roman, Chinese, Arab and European civilizations.

Social Studies Skills and Methods

- B 1.** Describe historical events and issues from the perspectives of people living at the time order to avoid evaluating the past in terms of today's norms and values.
- C 2.** Compare multiple viewpoints and frames of reference related to important events in world history.
- D 3.** Establish guidelines, rules and time line for group work.
- D 4.** Reflect on the performance of a classroom group in which one has participated, including the contribution of each member in reaching group goals.

SCIENCE

Science Inquiry

- B 7.** Use graphs, tables, and charts to study physical phenomena and infer mathematical relationships between variables (e.g., speed and density)
- graphs, charts, and tables as they relate to the curriculum of the specific nine weeks

Life Sciences

- C 6.** Summarize the ways that natural occurrences and human activity affect the transfer of energy in Earth's ecosystems (e.g., fire, hurricanes, roads and oil spills)

Earth and Space Sciences

- C 1.** Explain the biogeochemical cycles which move materials between the lithosphere (land), hydrosphere (water) and atmosphere (air)
- C 3.** Describe the water cycle and explain the transfer of energy between the atmosphere and hydrosphere.
- C 5.** Make simple weather predictions based on the changing cloud types associated with frontal systems.
- C 6.** Determine how weather observations and measurements are combined to produce weather maps and that data for a specific location at one point in time can be displayed in a station model.
- C 7.** Read a weather map to interpret local, regional and national weather.
- C 9.** Describe the connection between the water cycle and weather-related phenomenon (e.g., tornadoes, floods, droughts and hurricanes)