

Social Studies Essential Concepts and Skills:

- Explore how humans develop, interact, and change to their environment to survive
- Understand family groups and community influence daily life
- Memorize/apply concepts of title, legend, cardinal directions, distance and grids
- Apply sources, charts, graphs, and maps to generate/interpret information
- Compare/contrast past and present lifestyle changes
- Understand science/technology affects the way people think
- Understand historical events and development
- Analyze people, events, problems, and ideas creating history of their state
- Investigate citizenship
- Emphasize cost/benefit of diversity in American society
- Understand factors that contribute to disputes among groups and nations

Science Essential Concepts and Skills:

Fifth grade students use inquiry skills (questioning, investigating, gathering and analyzing data, developing and communicating explanations and outcomes) to learn science concepts. Specific units include skeletal, muscular, circulatory and respiratory systems; weather; magnetism and electricity, and variables.

By the end of sixth grade, students will understand and apply knowledge of:

- Processes and changes in the earth's atmosphere
- Weather and weather patterns
- How forces are related to an object's motion
- Electricity and magnetism
- Environmental stewardship
- Human muscular, skeletal, circulatory, and respiratory systems and how they work together

5th Grade Skills and Concepts

This brochure is a guide to know what will be covered in the fifth grade curriculum.



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Math Essential Concepts and Skills:

- Place value from thousandths to trillions
- Compare, order, and round whole numbers and decimals
- Multiply a 3 digit number by a 3 digit number
- Divide 4 digit numbers by 1 and 2 digit numbers
- Perform operations with decimals to hundredths place
- Add, subtract, and multiply fractions

- Divide fractions by a whole number and a whole number by a fraction
- Measure and convert in metric and customary units
- Use line plots and graph points on a coordinate plane
- Calculate the perimeter/area of shapes and figures
- Calculate circumference of a circle
- Calculate the volume of solid figures

- Classify two-dimensional figures based on properties
- Write/interpret numerical expressions
- Use a give rule to complete patterns and create ordered pairs

Mathematical practices used by all students:

- *Explains thinking and understands the reasoning of others*
- *Makes sense of problems & perseveres in solving them*
- *Works accurately using appropriate tools*
- *Looks for and makes use of patterns*

Literacy and Language Arts Essential Concepts and Skills

Literature:

- Summarize text and draw inferences
- Identify the theme or main idea of a literary work
- Compare and contrast story elements (characters, setting, events) within reading; also same genre on similar themes
- Find out meaning of words and phrases (vocabulary, figurative language, metaphors, similes) within reading
- Note sequence and cause/effect of events in passage or multiple passages
- Analyze multiple accounts of the same event/topic, noting point of view
- Contribute in discussions individually or with peers

- Use factual information from several print or digital sources to aide in discussions
- Identify information from reading to answer questions or solve problems
- Use reasons and evidence from reading to support particular points within reading
- Use grade-level phonics skills to decode unfamiliar words and determine meaning
- Use information from reading to support piece of writing of speaking about subject

Language Arts:

- Write opinion, informative, how-to, narrative and a short research paper
- Spell grade-level words correctly within writing or speaking
- Do journal writing weekly for practice on different tasks and audiences
- Explain/demonstrate understanding of grammar and usage when writing, reading, listening or speaking
- Explain/demonstrate understanding of capitalization and punctuation when writing, reading listening or speaking
- Follow the writing process stages: prewriting, drafting, revising, editing, and publishing