

Essential Skills

for

6th Grade



Reading

The student will:

1. Read fluently at instructional and independent levels.
2. Sustain reading for at least 30 minutes.
3. Read a variety of genre.
4. Initiate their own reading.
5. Read fluently.
6. Use pre-reading strategies:
 - Prediction
 - Prior knowledge
 - Scanning/skimming the text.
7. Use comprehension strategies during reading:
 - Make inferences
 - Self-correct
 - Refer back to the text for supporting details.
 - Main idea
 - Literary devices
8. Use post reading strategies:
 - Make connections with the text
 - Compare characters
 - Retell the main points in an organized way.
 - Character development.
 - Reflection
9. Identify point of view, theme, characters, setting, plot, author's intent.
10. Use context clues and structural analysis to recognize unfamiliar words.

Writing

The student will:

1. Use figurative language in their writing:
 - Metaphor
 - Simile
 - Personification
2. Use the 6 traits of writing:
 - Good sentence fluency
 - Word choice to paint a picture in the readers' mind
 - Proper conventions
 - Contains clear ideas and content
 - Paper is well organized
 - Written with strong voice
3. Can organize information from a story or nonfiction text into graphic organizer.
4. Can use information from a nonfiction text to prepare notes.
5. Can organize notes into paragraphs to do research including citation of sources.

6. Use the following steps to write a composition:

- Pre-writing, brainstorming, organizing ideas
- Rough draft
- Proofreading, editing, revising
- Writing a final copy.

Math

The student will:

1. Explain and use equivalent fractions/decimals.
2. Perform whole number division and express remainder in decimals and fractions.
3. Perform addition and subtraction of integers.
4. Add, subtract, and multiply and divide with decimals.
5. Add, subtract multiply fractions and mixed numbers answering in simplest form.
6. Find whole number percents of a number (10% of 40).
7. Explain ration, proportion and percent.
8. Recognize rays and angles as right, obtuse, acute and straight.
9. Perform conversion of standard/metric units.
10. Recognize scalene, isosceles and equilateral triangles.
11. Graph and identify a point on a coordinate plane using all quadrants.
12. Describe probability of simple events using fractions.
13. Organize and display data on a stem and leaf plot, scatter plot and line plot.

Technology

The student will:

1. Increase technology vocabulary.
2. Use touch typing strategies to keyboard multiple paragraphs.
3. Integrate technological skills into content curriculum activities.
4. Work cooperatively and collaboratively with peers.
5. Follow rules of the computer lab.
6. Demonstrate safety precautions on sharing personal information.
7. Use technology resources for directed and independent learning activities.
8. Use a variety of software, including multimedia software.
9. Use basic word processing programs.
10. Use basic draw tools.
11. Use age-appropriate search engines to find information.
12. Demonstrate understanding of district Internet Policy.
13. Create spreadsheet and graph.

Social Studies

Students will:

1. Explain different ecosystems and locate them within hemispheres.
2. Identify renewable and nonrenewable resources and locate where they are distributed on a map.
3. Understand economic interdependence of different forms of government.
4. Show an understanding of supply and demand and its relationship to the price of goods, and an understanding of opportunity cost.
5. Understand these types of government: republic, democracy, monarchy, and dictatorship.
6. Explain the origins and development of the civilizations (i.e., Sumeria, Babylon, China, India, Rome).
7. Describe the contrast between the Greek governments of Sparta and Athens.
8. Develop an understanding of the differences between Christianity, Judaism, Hinduism and Buddhism.
9. Describe feudalism in Medieval Europe.
10. Define important advances in the Mayan, Aztec, and Incan societies.
11. Use mapping skills and make interpretations.

Science - Grades 5 & 6

The student will:

1. Identify questions that can be answered through scientific investigations.
2. Design and conduct scientific investigations safely using appropriate tools, mathematics, technology, and techniques to gather, analyze, and interpret data.
3. Identify the relationship between evidence and logical conclusions.
4. Communicate scientific procedures, results and explanations.
5. Evaluate the work of others to determine evidence which scientifically supports or contradicts the results, identifying faulty reasoning or conclusions that go beyond evidence and/or are not supported by data.
6. Compare and classify the states of matter; solids, liquids, gases, and plasma.
7. Understands the relationship of atoms to elements and elements to compounds.
8. Measure and graph the effects of temperature on matter.
9. Describe, measure, and represent data on a graph showing the motion of an object (position, direction of motion, speed).
10. Recognize and describe examples of Newton's Laws of Motion.
11. Investigate and explain how simple machines multiply force at the expense of distance.
12. Understand that when work is done energy transforms from one form to another, including mechanical, heat, light, sounds, electrical, chemical, and nuclear energy, yet is conserved.
13. Observe and communicate how light (electromagnetic) energy interacts with matter: transmitted, reflected, refracted, and absorbed.
14. Understands that heat energy can be transferred from hot to cold by radiation, convection, and conduction.

15. Will understand the cell theory: that all organisms are composed of one or more cells, cells are the basic unit of life, and that cells come from other cells.
16. Relate the structure of cells, organs, tissues, organ systems, and whole organisms to their functions.
17. Differentiate between asexual and sexual reproduction of organisms.
18. Understand that internal and/or environmental conditions affect an organism's behavior and/or response in order to maintain and regulate stable internal conditions to survive in a continually changing environment.
19. Recognize that all populations living together (biotic resources) and the physical factors (abiotic resources) with which they interact compose an ecosystem.
20. Trace the energy flow from the sun (source of radiant energy) to producers (via photosynthesis – chemical energy) to consumers and decomposers in food webs.
21. Understands that adaptations of organisms (changes in structure, function, or behavior that accumulate over successive generations) contribute to biological diversity.
22. Associate extinction of a species with environmental changes in insufficient adaptive characteristics.
23. Identify properties of the solid earth, the oceans and fresh water, and the atmosphere.
24. Models earth's cycles, constructive and destructive processes, and weather systems.
25. Understand that earth processes observed today (including movement of lithospheric plates and changes in atmospheric conditions) are similar to those that occurred in the past; earth history is influenced by occasional catastrophes, such as the impact of a comet or asteroid.
26. Compares and contrasts the characteristics of stars, planets, moons, comets, and asteroids.
27. Demonstrate and model object/space/time relationships that explain phenomena such as the day, the month, the year, seasons, phases of the moon, eclipses and tides.
28. Identify appropriate problems for technological design, designs a solution or product, implements the proposed design, evaluates the product, and communicates the process of technological design.
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30. Identify individual nutrition, exercise, and a rest needs based on science and uses a scientific approach to thinking critically about personal health, lifestyle choices, risks and benefits.
31. Investigate the effects of human activities on the environment and analyze decisions based on the knowledge of benefits and risks.
32. Recognize that new knowledge leads to new questions and new discoveries, replicates historic experiments to understand principles of science, and relates contributions of men and women to the fields of science.

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