

2nd

Second Grade Content Standards for Mastery

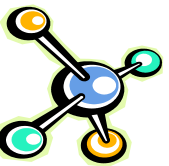


MATH

1. Use addition and subtraction within 100 to solve 1-2 step word problems, by using drawings and equations.
2. By the end of Grade 2, know all sums of two 1-digit numbers from memory.
3. Add and subtract within 20 using mental strategies.
4. Use addition to find the total number of objects arranged in rows and columns.
5. Determine whether a group of objects (up to 20) has an odd or even number of members.
6. Count within 1000; skip-count by 5s, 10s, and 100s.
7. Read and write numbers to 1000 using base-ten numerals, number names, and the expanded form.
8. Compare two 3-digit numbers based on meaning of hundreds, tens, and ones digits using $>$, $=$, and $<$ symbols.
9. Add up to four 2-digit numbers, using place value strategies.
10. Add and subtract within 1000 using models and drawings.
11. Explain why addition and subtraction strategies work, supported by drawings or objects.

12. Estimate and measure lengths using inches, centimeters, feet, and meters.
13. Represent whole numbers as lengths from 0 on a number line diagram.
14. Tell and write time from analog and digital clocks to the nearest 5 minutes.
15. Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies using symbols \$ and ¢.
16. Measure lengths of objects to the nearest whole unit.
17. Draw a picture graph and bar graph to show a data set up to four categories.
18. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.
19. Separate a rectangle into rows and columns of same-size squares.
20. Arrange circles and rectangles into 2-3 equal shares, using the words halves, thirds, and fourths.

SCIENCE



1. Identify states of matter as solids, liquids and gases.
2. Identify vibration as the source of sound (pitch and volume).
3. Recognize that light travels in a straight line until it hits an object (reflection).
4. Describe observable effects of forces (buoyancy, gravity, magnetism).
5. Identify the relationship of structure to function in plants (roots, stems, leaves, flowers).
6. Identify characteristics of animals (behavior, size, body coverings).
7. Identify geological features (mountains, valleys, plains, deserts, lakes, rivers, oceans).
8. Identify evidence of erosion and the weathering of rocks.

9. Describe evaporation, condensation and precipitation in the water cycle.
10. Identify the impact of weather on agriculture, recreation, the economy and society.
11. Identify basic components of our solar system, including the sun, planets, and Earth's moon.

LANGUAGE ARTS



1. Describe how story characters in a story respond to events and challenges.
2. Determine the message or lesson in stories, including fables and folktales.
3. Ask and answer questions such as who, what, where, when, why, how in a story.
4. Infer the main idea and supporting details in a narrative text.
5. Describe how words and phrases supply rhythm and meaning in a story or poem.
6. Describe the structure of a story, how the beginning introduces the story and the ending concludes the action.
7. Identify the differences in the points of view of characters, while understanding the setting and plot.
8. Compare and contrast two or more versions of the same story by different authors or from different cultures.
9. Ask and answer questions such as who, what, where, when, why, how to demonstrate understand of key details.
10. Identify the main topic of a multiparagraph text as well as a single paragraph.
11. Describe the connection between historical events, scientific concepts or steps in technical procedures in a text.
12. Determine the meaning of words and phrases in a text.

13. Use text features such as caption, subheading, glossary, icon, and index, to locate key facts in a text.
14. Identify the main purpose of a text, including what the author wants to explain, answer, or describe.
15. Compare and contrast the most important points presented by two texts on the same topic.
16. Describe how reasons support specific points the author makes in a text.
17. By end of year, read and comprehend informational texts within the text complexity band for Grade 2.
18. Know and apply grade-level phonics and word analysis skills to decode words.
19. Read with sufficient accuracy and fluency to help with comprehension.
20. Write opinion text, and supply reasons that support the opinion.
21. Write free verse poetry to express ideas.
22. Write informative or explanatory texts, using facts and definitions to develop points, and provide a conclusion.
23. Write narratives to include details to describe actions, thoughts, and feelings.
24. With guidance from adults and peers, revise and edit writing.
25. Use a variety of digital tools to produce and publish writing, including collaboration with peers.
26. Participate in shared research and writing projects.
27. Ask and answer questions about what a speaker says to deepen understanding of a topic or issue.
28. Present ideas and knowledge with audio recordings, visual displays, and speaking audibly in complete sentences.

29. Demonstrate Standard English grammar and usage when writing or speaking.
30. Use Standard English conventions of capitalization, punctuation, and spelling when writing.
31. Use knowledge of language when writing, speaking, reading, or listening.
32. Determine the meaning of multiple meaning words and phrases based on Grade 2 reading and content.
33. Demonstrate understanding of word relationships in word meanings.
34. Use words and phrases including adjectives and adverbs to describe.

SOCIAL STUDIES



1. Relate principles of American democracy to the founding of the nation: Identify reasons for settlement of the 12 colonies, the voting process, and using rules to reinforce democratic values.
2. Identify national figures, national celebrations, holidays, and symbols that are examples of democratic values.
3. Use sources, including calendars and timelines, for reconstructing the past.
4. Use vocabulary to describe segments of time: year, decade, score, and century.
5. Explain the difference between a physical map and a political map.
6. Describe ways people throughout the world are affected by their geographic environments: land and use, housing, occupations, and physical features.

7. Identify continents, oceans, and the equator using technology, maps, globes, Map titles, legends and scale, intermediate directions, and key map/globe elements to estimate routes.
8. Describe rights and responsibilities of citizens of the United States: voting, freedom of speech, paying taxes, and describing responsibilities of state, national, and world leaders.
9. Discuss ways in which people in authority gain the right to direct others (appointed or elected officials, parent or guardian, police officer) and describe the appropriate use as well as the misuse of power and authority.
10. Explain how the diversity of people and customs in the United States and the world affect viewpoints and ideas.
11. Describe how and why people immigrate to the United States.
12. Explain the production and distribution process of goods.

TECHNOLOGY

1. Identify basic parts of various technology systems: keyboard, output, stylus.
2. Identify applications and operations of technology systems, including how to open and save files, label storage media, and use keyboard shortcuts.
3. Demonstrate correct posture and finger placement using a digital device.
4. Identify safe use of technology.
5. Practice responsible use of technology: taking care of digital equipment.
6. Identify uses of technology systems in daily living.
7. Use digital tools to access and retrieve information from: online libraries, search engines, directories, and multimedia sources.

8. Use digital tools to exchange ideas with others, producing work collaboratively with peers.
9. Identify digital tools used for problem solving: spell check, digital graphic organizers, and simulation software.
10. Design original works using digital tools: digital drawing tools, music software, word processing software, and digital cameras.

Strategic Curriculum Framework

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