

Prince William County Schools has identified the underlined standards below as “power” or “priority standards”.

The 2nd Grade Team has highlighted standards below that have not been introduced this school year.

MATHEMATICS

Number and Number Sense

2.1 The student will

- a) read, write, and identify the place and value of each digit in a three-digit numeral, with and without models;
- b) identify the number that is 10 more, 10 less, 100 more, and 100 less than a given number up to 999;
- c) compare and order whole numbers between 0 and 999; and
- d) round two-digit numbers to the nearest ten.

2.2 The student will

- a) count forward by twos, fives, and tens to 120, starting at various multiples of 2, 5, or 10;
- b) count backward by tens from 120; and
- c) use objects to determine whether a number is even or odd.

2.3 The student will

- a) count and identify the ordinal positions first through twentieth, using an ordered set of objects; and
- b) write the ordinal numbers 1st through 20th.

2.4 The student will

- a) name and write fractions represented by a set, region, or length model for halves, fourths, eighths, thirds, and sixths;
- b) represent fractional parts with models and with symbols; and
- c) compare the unit fractions for halves, fourths, eighths, thirds, and sixths, with models.

Computation and Estimation

2.5 The student will

- a) recognize and use the relationships between addition and subtraction to solve single-step practical problems, with whole numbers to 20; and
- b) demonstrate fluency with addition and subtraction within 20.

2.6 The student will

a) estimate sums and differences;

b) determine sums and differences, using various methods; and

c) create and solve single-step and two-step practical problems involving addition and subtraction.

Measurement and Geometry

2.7 The student will

a) count and compare a collection of pennies, nickels, dimes, and quarters whose total value is \$2.00 or less; and

b) use the cent symbol, dollar symbol, and decimal point to write a value of money.

2.8 The student will estimate and measure

a) length to the nearest inch; and

b) weight to the nearest pound.

2.9 The student will tell time and write time to the nearest five minutes, using analog and digital clocks.

2.10 The student will

a) determine past and future days of the week; and

b) identify specific days and dates on a given calendar.

2.11 The student will read temperature to the nearest 10 degrees.

2.12 The student will

a) draw a line of symmetry in a figure; and

b) identify and create figures with at least one line of symmetry.

2.13 The student will identify, describe, compare, and contrast plane and solid figures (circles/spheres, squares/cubes, and rectangles/rectangular prisms).

Probability and Statistics

2.14 The student will use data from probability experiments to predict outcomes when the experiment is repeated.

2.15 The student will

a) collect, organize, and represent data in pictographs and bar graphs; and

b) read and interpret data represented in pictographs and bar graphs.

Patterns, Functions, and Algebra

2.16 The student will identify, describe, create, extend, and transfer patterns found in objects, pictures, and numbers.

2.17 The student will demonstrate an understanding of equality through the use of the equal symbol and the use of the not equal symbol.

SCIENCE

Scientific and Engineering Practices- (recur in all grades)

2.1 The student will demonstrate an understanding of scientific and engineering practices by

- a. Asking questions and defining problems
 - Ask questions that can be investigated
 - Make predictions based on observations and prior experiences
 - Identify a simple problem that can be solved through the development of a new tool or improved object
- b. Planning and carrying out investigations
 - With guidance, plan and conduct simple investigations to produce data
 - Use appropriate tools to measure length, weight, and temperature of common objects using U.S. Customary units
 - Measure time intervals using proper tools
- c. Interpreting, analyzing, and evaluating data
 - Organize and represent data in pictographs and bar graphs
 - Read and interpret data represented in pictographs and bar graphs
- d. Constructing and critiquing conclusions and explanations
 - Make simple conclusions based on data or observations
 - Distinguish between opinion and evidence
 - Recognize unusual or unexpected results
- e. Developing and using models
 - Use models to demonstrate simple phenomena and natural processes
- f. Obtaining, evaluating, and communicating information
 - Communicate observations and data using simple graphs, drawings, numbers, speech, and/or writing

Force, Motion, and Energy

2.2 The student will investigate and understand that different types of forces may cause an object's motion to change. Key ideas include

- a. Forces from direct contact can cause an object to move;
- b. Some forces, including gravity and magnetism, can cause objects to move from a distance; and
- c. Forces have applications in our lives.

Matter

2.3 The student will investigate and understand that matter can exist in different phases.

Key ideas include

- a. Matter has mass and takes up space;

- b. Solids, liquids, and gases have different characteristics; and
- c. Heating and cooling can change the phases of matter.

Living Systems and Processes

2.4 The student will investigate and understand that plants and animals undergo a series of orderly changes as they grow and develop. Key ideas include

- a. Animals have life cycles; and
- b. Plants have life cycles.

2.5 The student will investigate and understand that living things are part of a system. Key ideas include

- a. Plants and animals are interdependent with their living and nonliving surroundings;
- b. An animal's habitat provides all of its basic needs; and
- c. Habitats change over time due to many influences.

Earth and Space Systems

2.6 The student will investigate and understand that there are different types of weather on Earth. Key ideas include

- a. Different types of weather have specific characteristics;
- b. Measuring, recording, and interpreting weather data allows for identification of weather patterns; and
- c. Tracking weather allows us to prepare for the weather and storms.

2.7 The student will investigate and understand that weather patterns and seasonal changes affect plants, animals, and their surroundings. Key ideas include

- a. Weather and seasonal changes affect the growth and behavior of living things;
- b. Wind and weather can change the land; and changes can happen quickly or slowly over time.

Earth Resources

2.8 The student will investigate and understand that plants are important natural resources. Key ideas include

- a. The availability of plant products affects the development of a geographic area;
- b. Plants provide oxygen, homes, and food for many animals; and
- c. Plants can help reduce the impact of wind and water.

HISTORY AND SOCIAL SCIENCES

Skills

2.1 The student will demonstrate skills for historical thinking, geographical analysis, economic decision making, and responsible citizenship by

- a) identifying artifacts and primary and secondary sources to understand events in American history;
- b) using basic map skills to locate places on maps and globes to support an understanding of American history;
- c) using and creating graphs, diagrams, and pictures to determine characteristics of people, places, or events to support an understanding of American history;
- d) asking appropriate questions to solve a problem;
- e) comparing and contrasting people, places, or events in American history;
- f) recognizing direct cause-and-effect relationships;
- g) making connections between past and present;
- h) using a decision-making model to make informed decisions;
- i) practicing good citizenship skills and respect for rules and laws while collaborating, compromising, and participating in classroom activities; and
- j) defending positions orally and in writing, using content vocabulary.

History

2.2 The student will demonstrate knowledge of the United States by describing important developments and innovations in United States history, including developments and innovations related to communication and transportation.

2.3 The student will compare the lives and contributions of three American Indian cultures of the past and present, with emphasis on

- a) the Powhatan of the Eastern Woodlands;
- b) the Lakota of the Plains; and
- c) the Pueblo peoples of the Southwest.

2.4 The student will describe how the contributions of selected individuals changed the lives of Americans, with emphasis on

- a) Christopher Columbus;
- b) **Benjamin Franklin;**
- c) Abraham Lincoln;
- d) **George Washington Carver;**
- e) Helen Keller;
- f) Thurgood Marshall;
- g) Rosa Parks;

- h) Jackie Robinson;
- i) Cesar Chavez; and
- j) Martin Luther King, Jr.

2.5 The student will describe why United States citizens celebrate major holidays, including

- a) Martin Luther King, Jr., Day;
- b) George Washington Day (Presidents' Day);
- c) Memorial Day;
- d) Independence Day (Fourth of July);
- e) Labor Day;
- f) Columbus Day;
- g) Veterans Day; and
- h) Thanksgiving Day.

Geography

2.6 The student will develop map skills by using globes and maps of the world and the United States to locate

- a) the seven continents and the five oceans;
- b) the equator, the Prime Meridian, and the four hemispheres; and
- c) major rivers, mountain ranges, lakes, and other physical features in the United States.

Economics

2.8 The student will describe natural resources (water, soil, wood, and coal), human resources (people at work), and capital resources (machines, tools, and buildings).

2.9 The student will distinguish between the use of barter and the use of money in the exchange for goods and services.

2.10 The student will explain that scarcity (limited resources) requires people to make choices about producing and consuming goods and services.

Civics

2.11 The student will explain the responsibilities of a good citizen, with emphasis on

- a) respecting and protecting the rights and property of others;
- b) taking part in the voting process when making classroom decisions;

c) describing actions that can improve the school and community;

d) demonstrating self-discipline and self-reliance;

e) practicing honesty and trustworthiness; and

f) describing the purpose of rules and laws.

2.12 The student will understand that the people of the United States of America

a) make contributions to their communities;

b) vote in elections;

c) are united as Americans by common principles; and

d) have the individual rights to life, liberty, and the pursuit of happiness as well as equality under the law.

2.13 The student will understand the symbols and traditional practices that honor and foster patriotism in the United States of America by

a) explaining the meaning behind symbols such as the American flag, bald eagle, Washington Monument, and Statue of Liberty; and

b) learning the words and meaning of the Pledge of Allegiance.

COMMUNICATION AND LITERACY

2.1 The student will use oral communication skills.

- a) Listen actively and speak using appropriate discussion rules.
- b) Use oral language for different purposes: to inform, persuade, entertain, clarify, and respond.**
- c) Speak audibly with appropriate voice level, phrasing, and intonation.
- d) Share information orally with appropriate facts and relevant details.
- e) Use increasingly complex sentence structures in oral communication.
- f) Begin to self-correct errors in language use.
- g) Participate as a contributor and leader in collaborative and partner discussions.
- h) Ask and answer questions to seek help, get information, or clarify information.
- i) Retell information shared by others.
- j) Restate and follow multi-step directions.
- k) Give multi-step directions.
- l) Work respectfully with others and show value for individual contributions.
- m) Create a simple presentation using multimodal tools.**

2.2 The student will demonstrate an understanding of oral early literacy skills.

- a) Create oral stories to share with others.
- b) Create and participate in oral dramatic activities.
- c) Participate in a variety of oral language activities, including choral speaking and recitation.

2.3 The student will orally identify, produce, and manipulate various phonemes within words to develop phonemic awareness.

- a) Count phonemes within one-syllable words.
- b) Blend sounds to make one-syllable words.
- c) Segment one-syllable words into phonemes.
- d) Add or delete phonemes to make words.
- e) Blend and segment multisyllabic words at the syllable level.

2.4 The student will use phonetic strategies when reading and spelling.

- a) Use knowledge of consonants, consonant blends, and consonant digraphs to decode and spell words.
- b) Use knowledge of short, long, and r-controlled vowel patterns to decode and spell words.
- c) Decode regular multisyllabic words.
- d) Apply decoding strategies to confirm or correct while reading.

2.5 The student will use semantic clues and syntax to expand vocabulary when reading.

- a) Use information and context clues in the story to read words.
- b) Use knowledge of sentence structure to determine the meaning of unknown words.

2.6 The student will expand vocabulary and use of word meanings.

- a) Use knowledge of homophones.
- b) Use knowledge of prefixes and suffixes.
- c) Use knowledge of antonyms and synonyms.
- d) Discuss meanings of words and develop vocabulary by listening to and reading a variety of texts.
- e) Use word-reference materials including dictionaries, glossaries and indices.
- f) Use vocabulary from other content areas.

2.7 The student will read and demonstrate comprehension of fictional texts.

- a) Make and confirm predictions.
- b) Connect previous experiences to new texts.
- c) Ask and answer questions using the text for support.
- d) Describe characters, setting, and plot events in fiction and poetry.
- e) Identify the conflict and resolution.
- f) Identify the theme.
- g) Summarize stories and events with beginning, middle, and end in the correct sequence.
- h) Draw conclusions based on the text.
- i) Read and reread familiar stories and poems with fluency, accuracy, and meaningful expression.

2.8 The student will read and demonstrate comprehension of nonfiction texts.

- a) Preview the selection using text features including table of contents, headings, pictures, captions, and maps.
- b) Make and confirm predictions.
- c) Use prior and background knowledge as context for new learning.
- d) Set purpose for reading.
- e) Ask and answer questions using the text as support.
- f) Identify the main idea.
- g) Draw conclusions based on the text.
- h) Read and reread familiar texts with fluency, accuracy, and meaningful expression.

WRITING

2.4 The student will maintain legible printing and **begin to make the transition to cursive.**

- a) Begin to write capital and lowercase letters of the alphabet.
- b) **Begin to sign his/her first and last names.**

2.10 The student will write in a variety of forms to include narrative, descriptive, opinion, and expository.

- a) Understand writing as a process.
- b) Identify audience and purpose.
- c) Use prewriting strategies to generate ideas before writing.
- d) Use strategies for organization according to the type of writing.
- e) Organize writing to include a beginning, middle, and end.
- f) Write facts about a subject to support a main idea.
- g) Write to express an opinion and provide a reason for support.
- h) Expand writing to include descriptive detail.
- i) Revise writing for clarity.

2.11 The student will edit writing for capitalization, punctuation, spelling and Standard English.

- a) Recognize and use complete sentences.
- b) Use and punctuate declarative, interrogative, and exclamatory sentences.
- c) Capitalize all proper nouns and the word I.
- d) Use singular and plural nouns and pronouns.
- e) **Use apostrophes in contractions and possessives.**
- f) **Use contractions and singular possessives.**
- g) Use knowledge of simple abbreviations.
- h) **Use correct spelling for commonly used sight words, including compound words and regular plurals.**
- i) Use commas in salutation and closing of a letter.
- j) **Use past and present verbs.**
- k) Use adjectives correctly.

Research

2.12 The student will conduct research by using available resources to gather information and answer questions to complete a research product.

- a) Generate topics of interest.
- b) Generate questions to gather information.
- c) Identify pictures, texts, people, or media as sources of information.

- d) Find information from provided sources.
- e) Organize information in writing or a visual display.
- f) Describe difference between plagiarism and using own words.