

Grundy Center Elementary School
2nd Grade Performance Expectations

Expectations describe concepts, knowledge and/or skills that will be instructed and assessed at each grade level. Since a student's developmental level cannot be determined solely by grade level, individual students will be at varying stages in their development. Teachers will assess student performance and plan instructional tasks and experiences in order to maximize a student's progress towards the attainment of the expectations.

Reading/Language Arts

Reading

- Read age appropriate sight words (word wall words).
- Apply syllabication, basic prefixes, suffixes, root words, consonant blends, and vowel patterns when reading words.
- Read with a fluency of 65 words per minute by the end of second grade.
- Identify and read compound words.
- Comprehend reading by making predictions, cause and effect, drawing conclusions, using pictures, comparing and contrasting, recalling main idea and details, sequencing, summarizing, inferring, and making generalizations.
- Use story elements in comprehension (setting, characterization, plot, problem, solution).
- Define and apply new vocabulary.
- Use prior knowledge, pictures, and context clues to interpret the meaning of a word.
 - Use technology, dictionaries, nonfiction books, early atlases, and magazines.
 - Analyze elements of non-fiction books to gain understanding (pictures, diagrams, captions, charts, heading, labels, table of contents and index).

Writing

- Write a fiction story (include beginning, middle, ending, characterization, setting, problem, and solution).
- Organize similar thoughts into a paragraph.
- Write expository texts (to inform, describe, explain, and persuade).
- Write friendly letters that include the date, greeting, body, closing, and signature.
- Write with correct letter formation, placement, direction, and capitalization.
- Identify and capitalize proper nouns, personal titles, and beginnings of sentences.
- Use periods, question marks, apostrophes, quotation marks, and exclamation points appropriately.
- Write sentences with correct language usage.
- Identify nouns, verbs, and adjectives.

Spelling

- Spell age-appropriate words.
- Use spelling patterns.
- Apply spelling in writing.
- Recognize and apply homophones.

Math

Problem Solving

- Apply a variety of problem solving strategies (identify a pattern, choose an operation, trial and error, draw pictures or diagrams, work backwards, solve simpler problems, identify questions to be answered).
- Solve multi-step problems.
- Determine that some events are more likely to happen than others.

Number and Number Sense (0-999)

- State or write numbers sequentially.
- Identify numbers before, after, and between a given number.
- Recognize and read written numerals and number words.
- Count by 1's, 2's, 5's, 10's, 50s, and 100's.
- Determine <, >, or = when comparing numbers.
- Order numbers from least to greatest and greatest to least.
- Find the closest 10 to a given number.
- Identify odd and even numbers.
- Identify ordinal positions 1st to 20th.
- Identify, model, represent, and write fractions (1/2, 1/3, 1/4, 1/5, 1/8, 1/10, 2/3, 3/4).
- Locate ones, tens, and hundreds place in a given number.

Number Operations

- Solve addition and subtraction facts through 20 using strategies (mental math, counting on, counting back, doubles, doubles +1, making ten).
- Define and apply the terms: addition, subtraction, equal, sum, difference.
- Solve two and three digit addition and subtraction problems with and without regrouping
- Estimate sums of two-digit numbers.
- Differentiate the inverse relationship between addition and subtraction through fact families.

Algebra

- Recognize, extend, and create visual and number patterns.
- Find missing numbers in addition and subtraction sentences.

Data

- Gather, organize, and record data into simple graphs, charts, and tables.
- Interpret data from various types of graphs, charts, and tables (bar, line, pie, picture, etc.)

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Geometry

- Describe properties of solid figures (cubes, spheres, rectangular prisms, cylinders, pyramids, and cones) by faces/sides, edges, and vertices.
- Sort plane figures by properties (circle, triangle, square, rectangle, trapezoid, hexagon).
- Identify congruent shapes.
- Recognize symmetrical figures and lines of symmetry.

Measurement

- Tell and write time to 5 minute intervals using analog and digital clocks.
- State times in different ways by halves/quarters (half past, quarter to, quarter past, minutes before/after).
- State elapsed time to the nearest half hour.
- Name and know the value of coins to \$1.00.
- Count money to \$1.00.
- Compare amounts of money.
- Read dollar sign, cents sign, and decimal point.
- Identify basic tools for measuring (measuring cups, yard stick, meter stick, thermometer, etc.).
- Define, use, and estimate units of measurement (linear, weight, capacity, degrees F, degrees C).
- Compare units of measure.
- Identify dozen, half-dozen, and pair.

Science

Scientific Process

- Knows and uses tools (thermometers, magnifiers, rulers, and balances) that can be used to gather information.
- Record observations.
- Investigate scientific concepts through simple experiments using variables.

Air and Weather

- Explain that air is matter and takes up space.
- Describe the weather using temperature, cloud cover, wind speed/direction, and precipitation.
- Gather, record, and graph weather data (precipitation, wind speed, wind direction, temperature) using appropriate instruments.
- Explain the difference between weather and climate.

Plants

- Identify the basic plant parts (stem, root, leaf, seed, flower) and their functions.
- Describe conditions necessary for plant growth.
- Identify foods that come from plants.

Earth

- Know that rocks are made of many minerals.
- Explain that rocks come in all shapes and sizes.
- Recognize the terms igneous, sedimentary, and metamorphic.
- Describe impact of weathering on rocks and soil.

Health

- Explain how to stay safe at school, home, and in the community.
- Describe the brain's impact on our daily lives.
- Understand how germs are transferred and explain how to protect oneself from germs.
- Explain how the food pyramid helps you choose healthful food.
- Describe how the heart works and how to keep it healthy.
- Identify the difference between medicines and drugs.
- Show ways to protect self from conditions that harm your skin.

Social Studies

- Demonstrate the six pillars of character through character counts instruction (fairness, trustworthiness, respect, caring, citizenship, responsibility).
- Compare and contrast similarities and differences between us and other cultures.
- Explain history is a story about us using biographies.
- Interpret the significance of historical holidays.
- Name and recognize US and state symbols.
- Identify local, state, and national leaders.

Maps and Globes

- Name and use cardinal directions.
- Gather information from and identify features on maps and globes.
- Locate the different landforms and bodies of water.
- Understand that symbols represent real things.

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Music

A second grader will

- match pitch within a four-five note range.
- identify if they are using a singing or speaking voice.
- identify high and low notes written on a staff (solfedge symbols: Do, Mi, So, and La).
- recognizes reoccurring melodies in a piece of music (ex. Verse/refrain, and ABA form).

A second grader will

- accurately read and clap rhythm patterns using quarter, eighth, and half note rhythm symbols.
- accurately moves to the beat of a given recording of music.
- create patterns of movement that fit the style of a piece of music.

A second grader will

- develop their skills of playing differing melodic and rhythmic patterns on classroom instruments (forming accompaniment).
- illustrate the difference between melody and accompaniment.

A second grader will

- use the following signs and symbols to follow a simple piece of written music: staff, treble clef, time signature, bar lines, and repeat signs.
- develop their skills at finding notes going up, going down, or repeat on a staff.

A second grader will

- identify the four families of instrument found in an orchestra: brass, woodwind, string, and percussion.
- identify several instruments that belong in each family.
- identify some orchestral instruments by their sound.

A second grader will

- identify music of other cultures and in other languages.
- identify many different styles of music.

Physical Education

Movement skills

A second grader will

- use a variety of non-locomotor and locomotor movement patterns.
- use creative activities and rhythm exploration.
- use control in spatial and balance awareness.

Manipulative skills

A second grader will

- use object control skills (e.g. catch, dribble, throw).
- use basic sport skills in a variety of activities.
- illustrate critical elements of a variety of basic movement patterns (ex. Ready position, arm preparation, opposition, weight transfer).

Physical fitness

A second grader will

- develop basic fitness components (ex. Muscular strength, endurance and flexibility).
- name physiological indicators that accompany activity (ex. increased heart rate, breathing rate, perspiration).

Participation

A second grader will

- describe rules and procedures to participate safely in class activities.
- work with others to accomplish goals in class.
- choose appropriate activities outside of class to maintain an active and healthy life-style.

Library / IMC

A second grader will

- identify a book's publisher, and place of publication on the copyright page, copyright year.
- locate a fiction chapter book by spine label.
- alphabetize authors by last name, to the 2nd-3rd letter.
- organize fiction books by spine labels starting with a different letter (?).
- identify stories by genre (biography, realistic fiction, historical fiction, fairy tale, folk tale, fantasy, informational, poetry).
- compare / contrast varying versions of American tall tales (Paul Bunyan, Pecos Bill, Mike Fink)
- use the electronic card catalog to find a book by searching by title, author, or subject.
- use a glossary to look up a word definition.
- select facts from a given biography.

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Art

Drawing

A second grader will

- develop controlled line and use of space in two dimensional and three dimensional space.
- create thick, wavy, curvy, and thin lines to show variety.
- use a variety of material to create line (markers, paint, colored pencil and pencil).

Painting

A second grader will

- use a palette to mix colors of paint to produce other colors.
- use the brush appropriately when painting.
- develop brush control.
- use the paints appropriately when painting.

- complete painting projects using watercolor and tempera paints.

Ceramics

A second grader will

- create detailed sculptures out of clay.

Color

A second grader will

- develop the understanding of color.
- identify the primary colors: red, yellow, and blue.
- identify the secondary colors: orange, green, and purple.
- demonstrate how to use the primary colors to produce the secondary colors.
- create paintings using only red, yellow, blue, white and black to produce other colors from the color wheel.

Guidance

Self acceptance

A second grader will

- discuss that everyone makes mistakes and learns from them.
- give examples of how feelings may be expressed.
- explain that all feelings are acceptable.
- describe how thoughts affect feelings and actions.
- demonstrate positive self-talk.

Relationships

A second grader will

- give examples of the similarities and differences among people.
- dramatize strategies to solve conflicts peacefully.
- describe how we choose our actions and are responsible for them.
- summarize how choices bring negative or positive consequences.

Education development

A second grader will

- recognize the role of courage in learning new skills.
- demonstrate how a difficult task may be broken into small steps.
- illustrate a goal setting process.