



# Second Grade

Reading  
Writing  
Communications  
Mathematics  
Science / Health  
Social Studies  
The Arts  
Physical Education  
Technology

## Reading

Second grade readers are becoming proficient in word attack skills using phonetic and simple grammatical elements. They will now be giving more attention to the importance and range of meaning and how this is influenced by personal experience, the content, writing style, and the purpose of the reading. Reading is now used for more functional purposes, though reading for pleasure should continue to be an enjoyable habit.

### Understand and use different skills and strategies to read

- Use meaning, structure, and visual cues when reading.
- Recognize when s/he doesn't understand a story and uses a variety of strategies to correct.
- Read a variety of text fluently with expression.
- Locate and use text features (e.g., table of contents).
- Demonstrate mastery of an extensive bank of sight words.
- Use knowledge of phonetics, spelling patterns, word families, and/or syllabication to identify unknown words.

### Understand the meaning of what is read

- Comprehend important ideas and details.
- Employ a variety of comprehension strategies to maintain meaning (e.g., predicting, making connections, clarifying).
- Make inferences and predictions from textual and illustrative details.
- Re-tell major contents of fiction or non-fiction text, including main idea, and significant details in sequence.

## Writing

During the second grade, most writers make significant progress in moving from a single idea and patterned sentences to more detailed and sequential text, often including more than one event or descriptive element. Students have a more conscious approach to planning, work toward accuracy, and increase vocabulary.

### Write clearly and effectively (Writing Traits)

- Organize writing using a time sequence or beginning, middle, and end.
- Write sentences using specific nouns (such as names), active verbs, and adjectives.

- Write several sentences that focus on a topic.

### **Understand and use conventions**

- Capitalize the beginning of sentences and proper nouns.
- Use end punctuation.
- Use commas in a series.

### **Spell high frequency words**

- Correctly spell high frequency words introduced by teacher.

### **Apply spelling rules**

- Use spelling patterns/rules introduced by the teacher.

### **Understand and use the writing process**

- Plan for writing by brainstorming, story mapping, clustering, etc.
- Write a first draft according to plan and staying on topic.
- Compose using a variety of forms (e.g., personal narratives, letters, riddles).
- Revise and edit with teacher guidance.
- Use a variety of publishing options to share writing (posters, class books, individual books, etc.).

### **Use legible handwriting**

- Use correct size and shape for letters in daily written work.

## **Communication**

Second grade students use language effectively to satisfy social and communication needs. They also display skill in responding to and using language to satisfy the demands of formal learning. As speakers and listeners, second grade students generally identify and use complete ideas. They are beginning to enhance meaning and appeal to an audience by using appropriate volume, tone, pace, intonation, and gestures. Second grade students can sustain a conversation with a variety of audiences. They use language to interact collaboratively with peers. Second grade students engage in

simple problem solving. They participate in setting criteria for the evaluation of quality work.

### **Use listening and observational skills to gain understanding**

- Focus attention.
- Ask appropriate questions.
- Listen to entire instruction before beginning task.

### **Communicate clearly and effectively in presentations**

- Speak with clarity and organization.
- Use projection and expression.
- Demonstrate correct posture and eye contact.
- Use appropriate grammar.

### **Communicate clearly and effectively with others**

- Use appropriate conversation skills that show respect for others' ideas and points of view.
- Take turns listening and speaking.
- Work cooperatively within a group.
- Demonstrate conflict resolution skills.

## **Mathematics**

By the end of second grade, students can model, compare, and order numbers to 1000. They understand the concept of even and odd numbers and can demonstrate the meaning of place value in two-digit numerals. They can apply addition and subtraction to a variety of problem-solving situations and describe situations that involve all four operations (addition, subtraction, multiplication and division). They can identify fractional parts of objects and sets of objects. Students use non-standard units to measure and begin to use standard units of measurement. Students can identify, sort, and classify geometric figures. They will continue to develop graphing skills by collecting, organizing, displaying, and describing data.

Their understanding of pattern relationships includes their ability to represent patterns symbolically and to recognize functional relationships between numbers. By the end of second grade, students can define problems in everyday situations, organize relevant information, and apply and explain different strategies and approaches to solve problems. They make and test conjectures based on data they have collected, validate their thinking using models and patterns, and check for reasonableness of answers. They continue to express mathematical ideas using a variety of forms.

### **Understand and use number sense**

- Know addition facts through 20.
- Identify, represent, and compare numbers through 1000.
- Use strategies to solve problems using addition and subtraction with 2-digit numbers.
- Write number sentences for situations representing addition and subtraction.
- Identify simple common fractions.
- Make reasonable estimates.
- Use physical models to explore multiplication.
- Identify odd and even numbers.

### **Understand and apply concepts and skills of mathematics measurement**

- Describe and compare using measures (length, area, volume, time, and money).
- Select and use a variety of standard and non-standard measurement tools.
- Estimate to predict reasonable measurements.

### **Geometric sense**

- Identify and describe two and three dimensional shapes.
- Identify lines of symmetry.

### **Statistics**

- Collect and organize data using graphs, tables, and written explanation.
- Based on data, make predictions or draw conclusions.

### **Algebraic sense patterns and relationships**

- Recognize, describe, extend, and create patterns of numbers and objects.
- Use standard notation to write a simple number sentence with an unknown.

### **Solve problems using mathematical reasoning problem solving**

- Use a variety of strategies.
- Draw accurate conclusions.

### **Reasoning**

- Predict solutions.
- Reflect on and evaluate procedures.
- Check for reasonableness of results.

### **Communicate mathematical knowledge and understanding**

- Collect and organize information.
- Express mathematical ideas using numbers, pictures, charts, words, or symbols.

### **Science/Health**

In science, students learn to use the scientific process of gathering data, investigating, interpreting data, and drawing conclusions. Units of study for science/health may include: Habitats, Sound, Light, The Solar System, Germs and Illness and Eyes and Ears.

### **Science/Health concepts and principles**

- Understand concepts and principles.
- Apply the scientific method.

### **Social Studies**

The focus is on communities. Units of study for social studies may include communities and geography.

### **Social Studies concepts and skills**

- Demonstrate an understanding of information presented.

- Exhibit an awareness of the relationship between people, environment, and culture.

*Science/health and social studies in all grades are developed around units of study that emphasize a core concept or theme. In second grade the theme is "independence and interdependence". Students in second grade also work on sequencing, comparing, and contrasting.*

## Art

Students have opportunities to:

- Understand and apply art knowledge and skills.
- Demonstrate thinking skills using artistic processes.
- Communicate through the arts.
- Make connections within and across the arts, to other disciplines, cultures, life and work.

## Music

Students have opportunities to:

- Read, note, and perform rhythm.
- Hear, discriminate, perform, read, and note pitch.
- Listen to, analyze, demonstrate, and describe qualities of sound.
- Identify simple music forms.
- Experience and perform independent parts while others sing or play.
- Understand and creatively interpret expressive markings and cues.
- Sing alone and with others, a varied repertoire of music.
- Understand music in relation to history and culture.

## Physical Education

Students have opportunities to:

- Explore, develop, and refine basic movement and manipulative skills through a variety of activities
- Understand and appreciate their own fitness level while engaging in a variety of physical activities

- Demonstrate responsible behaviors and positive sportsmanship skills

## Technology

Students have opportunities to learn and use:

- Basic operations and concepts
- Productivity tools that include word processing, graphics, and presentation software
- Technology for research
- Technology ethics



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