

Fourth Grade



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

Reading

Readers at this stage read and reflect on text in more varied and critical ways. They are aware of accessing other levels of meaning through rereading or discussing ideas, information, and reactions with other readers. They are able to give reasons for their opinions. There is an increased awareness of how fluency is affected by the text type, style, and content, and how a listener is affected by fluent and expressive reading. By this stage, the integration of predictive and confirming skills is automatic on grade-level material.

Understand and use different skills and strategies to read

- Use strategies including decoding, self-correcting, re-reading, and context clues.
- Apply word study skills such as origins, prefixes, and suffixes.
- Read grade level texts with fluency and expression.
- Identify fictional story elements and structures.
- Identify the structures of and uses text organizers in non-fiction text and computer software.

Understand the meaning of what is read

- Use knowledge of text structures or story elements to respond, re-tell, or summarize.
- Comprehend and summarize important ideas and details.
- Make inferences and predictions.
- Compare and contrast two or more texts.
- Separate fact from opinion.
- Respond to information gained from reading and express personal insights.
- View the same text from different perspectives.

- Consider the validity of information gained from text and illustration.
- Identify literary devices such as figurative language and exaggeration.

Read different materials for a variety of purposes

- Read to learn new information from a variety of resource material.
- Read to perform a task.
- Use appropriate vocabulary when referencing text features.
- Read a variety of genres.
- Revisit and analyze text and illustrations for a specific purpose.
- Build vocabulary by using dictionaries, glossaries, and other resources.

Writing

In fourth grade, students become more aware of the conventions of writing and of language usage. They are able to select and sometimes adapt basic forms and conventions to meet specific requirements. Their understanding and use of figurative language introduces imagery and tension to their writing. Informational and task-oriented writing reflects understanding of specific purpose, often requiring gathering and synthesizing information from a number of sources and to express and justify an opinion.

Write clearly and effectively

- Write with increasing elaboration and detail that support the main idea (ideas and word choice).
- Use a variety of sentence patterns (sentence fluency).
- Organize with a main idea, beginning, middle, and end (organization).
- Begin to reflect personality in writing (voice).

- Begin to use dialogue correctly.
- Organize related sentences into paragraphs.

Understand and use the conventions of writing

- Use correct punctuation.
- Use appropriate capitalization.
- Use correct grammar.
- Use appropriate sentence structure.

Spell correctly in context

- Spell appropriate high frequency words correctly.
- Use strategies to spell (e.g., spelling rules, phonics, spelling patterns).
- Use spelling resources (e.g., dictionaries, peers, etc.).

Understand and use the writing process

- Use pre-writing strategies for creating a draft with a focus on meaning and purpose.
- Revise to clarify meaning, improve organization, elaborate on ideas and respond to feedback.
- Edit for grammar, punctuation, and spelling..
- Create a final draft.

Writes in a variety of forms for different audiences and purposes

- Write for self, teacher, and other personally known audiences.
- Write for different purposes (e.g., expository, narrative, persuasive).
- Write in a variety of forms (e.g., journals, letters, essays, reports).

Analyze and evaluate the effectiveness of written work

- Use writing traits criteria.
- Reflect on own writing.
- Accept feedback from peers.
- Provide feedback on other's writing.

Use legible handwriting

- Uses correct size and shape of letters in daily written work.

Communication

Fourth grade students continue to extend and refine their understanding and use of language. They select and use language and style that is appropriate to their purpose and audience. They do this in both formal and informal situations. Fourth graders are able to draw conclusions from oral and visual text. They are able to prepare and deliver impromptu and extemporaneous presentations, making some decisions on selection of the content, language, and delivery appropriate for various audiences. They are able

to identify another perspective and apply the perspective to a variety of text and problem solving situations. Fourth grade students participate in group work by planning, formulating hypotheses, suggesting solutions, and identifying conclusions. They are able to influence the thinking of others. Fourth graders use established criteria to evaluate and refine communication. They can apply analysis and evaluation skills to identify the purpose of media text and to differentiate among fact, fiction, and opinion in media text.

Use listening and observational skills to gain understanding

- Focus attention.
- Observe and listen to gain and interpret information
- Ask appropriate questions.
- Paraphrase information.

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.
- Take turns listening and speaking.
- Work in assigned roles within a group.
- Demonstrates conflict resolution skills.
- Share opinions.

Mathematics

By the end of fourth grade, students can identify, compare, and order whole numbers to 1,000,000 as well as simple common fractions. They can compute and estimate in situations involving any of the four operations. Students translate problem situations into number sentences containing variables. Students can determine when approximate (rather than exact) measurements are needed and can choose the most appropriate tool for measuring length, area, weight, capacity, time and temperature. They identify and describe attributes for two- and three-dimensional geometric figures and describe the relative position of figures on a coordinate plane. When presented with a problem situation, students can devise a plan for solving it, collect appropriate data, analyze the data and report

findings in written and oral forms. They make inferences based on experimental results and describe the mean, median and mode as measures of central tendency. By the end of fourth grade students can identify the unknown in a problem situation, use a variety of strategies to solve problems, and apply appropriate methods, operations, and processes to construct solutions to problems. They can make and test conjectures, validate their thinking, and evaluate their procedures.

Understand and use number sense

- Know multiplication facts through 10.
- Identify, represent, and compare numbers up to 1,000,000.
- Identify and use multiples and factors.
- Identify, describe, and compare fractions and decimals.
- Add and subtract simple common fractions.
- Select and apply appropriate computational strategies to solve problems using the four basic operations with multi-digit whole numbers (includes paper-and-pencil, mental, and calculator).
- Make reasonable estimates to predict computational results.

Understand and apply concepts and skills of mathematics measurement

- Use appropriate measurement tools and units (customary and metric).
- Solve problems involving perimeter, area, length, volume/capacity, weight/mass, time, and temperature.
- Use both exact and approximate measures as appropriate.

Geometric sense

- Identify, describe, and classify two and three dimensional geometric figures.
- Draw or create two or three dimensional figures.
- Describe the position of figures on a coordinate grid (first quadrant).
- Use geometric terms and concepts appropriately (e.g., congruent, similar, perpendicular, parallel, types of angles, etc.).

Probability and statistics

- Use counting procedures to determine the number of possible outcomes of an event.
- Make predictions based on experimental results.
- Collect and represent data using graphs,

table, and written explanations.

- Find and describe the mean, median, and mode.

Algebraic sense (patterns and relationships)

- Recognize, describe, extend, and create a variety of patterns with number sentences, tables, and graphs.
- Use patterns to make generalizations and predictions.
- Set up and solve simple equations.

Solve problems using mathematical reasoning problem solving

- Use, create, and evaluate a variety of strategies to solve problems.
- Formulate questions about problems, identifying necessary and unnecessary information.
- Identify the unknown in a problem.
- Apply appropriate methods, operations, and processes to construct a solution.

Reasoning

- Support thinking using models, known facts, patterns and relationships.
- Make and check predictions.
- Check for reasonableness of results.
- Reflect on and evaluates procedures.

Communicate mathematical knowledge and understanding

- Create a plan to collect and organize information..
- Gather, extract, and interpret information from a variety of sources.
- Express mathematical understanding and ideas using everyday language, models, tables, charts, graphs, and symbols.

Science/Health

Students learn to use the scientific process of gathering data, investigating, interpreting data, and drawing conclusions. Units of study for science/health may include: Forests of Washington, Plate Tectonics, Air and Flight, Astronomy, and Emergency Preparedness.

Science/Health concepts and principles

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

Social Studies

The focus is on Washington State and the Pacific Rim. Units of study for social studies may include history, geography, economics, and civics

Social Studies concepts and skills

- Demonstrate an accurate knowledge 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 fourth grade the theme is "interdependence and intradependence". Students in fourth grade also work on summarizing and hypothesizing.

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

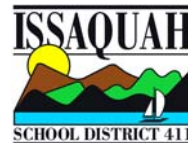
Students have opportunities to:

- 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, database, spreadsheet, graphics, multimedia
- Communication tools
- Technology for research
- Network skills
- Technology ethics



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