

Grade 2 Language Arts

Course Description

Second grade students will extend their understanding of phonemic awareness, decoding, and word recognition, as well as their comprehension and use of written language. Students will read a variety of texts and self-selected reading materials. Students will expand their oral language skills to express and begin to use new vocabulary and written formats. Students will begin to develop effective listening and speaking skills.

Objectives

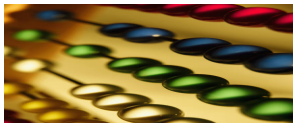
Students will be able to

- Participate in daily phonemic awareness skill building activities.
- Learn a new letter, letter cluster, or spelling concept every week.
- Participate in daily reviews of previously taught concepts to ensure sufficient exposure to, and mastery of, each concept.
- Begin blending sounds to read and decoding sounds to spell after learning two letters.
- Learn to spell by applying spelling rules rather than by relying only on memorization.
- Learn common suffixes and selected prefixes.
- Develop fluency by reading text (fluency readers) written with high-frequency words.
- Receive explicit handwriting instruction (print).
- Be assessed regularly to monitor progress in phonics and spelling.
- Participate in games and activities that motivate, reinforce, and remediate.
- Apply and develop process writing skills.
- Demonstrate a variety of skills and strategies to listen and communicate.
- Generate questions, clarify information and draw conclusions.
- Develop and use study skills.
- Explore author's techniques.
- Develop tone, voice and style.
- Develop as a reader, author, illustrator and speaker in the ability to convey universal themes.

Instructional Material and Resources/Required Texts

Texts: Harcourt Brace Trophies Reading Just For You
Harcourt Brace Trophies Reading Banner Days
Harcourt Brace Trophies Practice Workbook Vol. 1
Harcourt Brace Trophies Practice Workbook Vol. 2

Materials: Teacher generated materials; Harcourt Brace leveled readers, library books and games



Grade 2 Mathematics

Course Description

In grade 2, students learn to read, write, represent, compare and order whole numbers up to 1000 with an emphasis on place value and equality. Students use place value to describe whole numbers between 10 and 1000 in terms of hundreds, tens and ones.

Students will demonstrate mastery of addition and subtraction basic facts; add and subtract one- and two-digit numbers in real-world and mathematical problems. Use strategies to generate addition and subtraction facts including making tens, fact families, doubles plus or minus one, counting on, counting back, and use the relationship between addition and subtraction to generate basic facts. Students will use patterns to solve problems in various contexts.

In geometry, students will identify, describe, compare, and classify two- and three-dimensional figures according to number and shape of faces, and the number of sides, edges and vertices (corners). Students will also understand length as a measurable attribute and use tools to measure length. Students will also use time (to the quarter hour) and money (pennies, nickels, dimes and quarters) in real-world and mathematical situations.

Objectives

Students will be able to

- Demonstrate number sense and estimation skills.
- Read, write, compare, represent and order whole numbers up to 1000 in a variety of forms.
- Demonstrate a conceptual understanding of the meaning of basic arithmetic operations and their relationship to each other.
- Select appropriate operation(s) (add, subtract) for a given situations.
- Apply knowledge of basic math facts and arithmetic operations to real-life situations.
- Construct, use, and explain procedures to compute and estimate with whole numbers.
- Demonstrate the connection of number and number relations to real-life situations.
- Demonstrate a conceptual understanding of variables, expressions, equations, and inequalities (e.g., use letters or boxes to represent values; understand =, <, and > symbols).
- Apply (measure or solve measurement problem) the concepts of length (centimeters, meters, kilometers), area, volume, capacity (milliliters, liters), weight (grams, kilograms), mass, time (seconds, minutes, hours, days, weeks, months, years), money, and temperature (Celsius) to real-world experiences.
- Select and use appropriate standard and nonstandard units of measure.
- Use estimation skills to describe, order, and compare measures of length, capacity, weight/mass, time, and temperature.
- Convert from one unit of measurement to another within the same system (customary and metric); comparisons between systems should be based on intuitive reference points, not formal computations (e.g., a meter is a little longer than a yard)
- Recognize the use of patterns, relations, and functions in real-life situations.
- Construct, read and interpret data in charts, graphs, and tables.
- Make predictions regarding combinations, subdivisions, and transformations (slides, flips, and turns) of simple plane geometric shapes.

Instructional Material and Resources/ Required Texts

Text: Harcourt Brace Mathematic Unit Workbooks 1-6

Materials: Teacher generated materials, games, and puzzles.



Grade 2 Science

Course Description

Grade 2 students will understand the concepts and processes of evidence, models and explanations. Students will understand the concept of constancy, change and measurement. Students will learn about space and weather. Students will begin to understand scientific inquiry and develop critical thinking skills. Students will learn about the basic needs of all living things. They will learn that sound and light are forms of energy. They will use their senses to observe sound and light.

Objectives

Students will be able to

- Explore the concepts of observation and data collection.
- Understand that changes occur and must be measured.
- Measure in standard systems.
- Identify shape and use of objects.
- Make observations.
- Use various tools to gather information.
- Explore information and evidence.
- Use observations to make predictions.
- Communicate observations.
- Identify and describe properties of water.
- Explore how things make sound.
- Explore how light travels.
- Compare day and night, including what is seen in the sky, and describe how day and night occurs.
- Describe how Earth orbits the sun, and identify the causes of seasons on Earth.
- Demonstrate how the reflection of the sun enables us to see the moon and what makes the moon appear to change shape.
- Test to see how variations in these variables (temperature, light, water, and nutrients) affect plant growth.
- Identify, name, and explain the function of the main parts of plants.
- Describe different kinds of habitats and the animals (including their adaptations) that meet their needs in those habitats.
- Describe and give examples of food chains.

Instructional Material and Resources/ Required Texts

Text: Harcourt Brace Science Textbook, Ohio Edition

Materials: Teacher generated worksheets, projects, games, and investigations in Science, videotapes, CD ROMs, documents, periodicals, magazines and the Internet.



Social Studies Grade 2

Course Description

Second grade social studies focuses on students' understanding of their place in the community. Students are provided with the opportunity to explore their place in the world through a study of location, place, human/environment interaction, movement and regions. Students will learn mapping skills and the five elements of a map. Reading, writing and research skills are reinforced from the language arts study, and other areas of the curriculum.

Objectives

Students will be able to

- Describe the characteristics of a community.
- Identify community workers and the goods and services they provide.
- Identify forms of transportation and communication within a community.
- Describe how our community is changing.
- Indicate ways in which a community honors people and/or events.
- Describe characteristics of our country.
- Apply concepts of authority, responsibility and justice.
- Apply basic economic concepts.
- Apply basic geographical concepts.
- Engage in basic mapping skills

Instructional Material and Resources/ Required Texts

Text: Steck-Vaughn Maps, Globes and Graphs
Heinemann- What I Want to Be- Big Book
Heinemann- A Home for Me- Big Book

Materials: Teacher generated materials, games and projects, videotapes, CD ROMs, documents, periodicals, magazines and the Internet.