

Grade 3 Language Arts

Course Description

Students in third grade apply the foundational skills learned earlier automatically to decode and comprehend fiction, nonfiction, poetry, and drama. They use critical thinking skills that they apply strategically across the disciplines to comprehend and clarify information and ideas. They compose fiction, nonfiction, poetry, and drama for a variety of purposes and audiences. Third graders become increasingly independent and flexible in their use of communication skills and strategies.

Objectives

Students will be able to

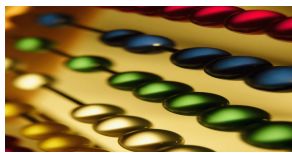
- Read or hear at least 30 books or book equivalents across various genres and authors.
- Read grade-appropriate texts and responds critically to develop understanding and expertise.
- Read aloud grade-appropriate texts with fluency and understanding.
- Develop personal style as a writer, acquires a way of thinking about writing, revisits writing, and understands purposes for writing.
- Produce various types of writing:
 - Personal narrative
 - Fiction
 - Poetry
 - Informational article/Research report
 - Descriptive paragraph
 - Everyday writing
- Demonstrate an understanding of punctuation, capitalization, spelling, handwriting, and grammar in writing.
- Speak, listen, and view effectively in formal and informal situations.
- Speak effectively using language appropriate to the situation and audience.
- Demonstrate an understanding of grade-appropriate punctuation, capitalization, spelling, handwriting, grammar, and vocabulary development.
- Use multiple reference tools to acquire new knowledge and make informed decisions.

Instructional Material and Resources/ Required Texts

Text: Harcourt Trophies Changing Patterns

Harcourt Trophies Changing Patterns Practice Book

Materials: Teacher generated material; Harcourt leveled readers, library books, games, videotapes, CD ROMs, documents, periodicals, magazines, and the Internet



Grade 3 **Mathematics**

Course Description

Students in grade 3 learn to read, write, compare, order and represent whole numbers up to 100,000 with an emphasis on place value and equality. Students use place value to describe whole numbers between 1000 and 100,000 in terms of ten thousands, thousands, hundreds, tens and ones and they round numbers to the nearest 10,000, 1000, 100 and 10.

Students will add and subtract multi-digit whole numbers; represent multiplication and division in various ways; solve real-world and mathematical problems using arithmetic.

Students also recognize that fractions can be used to represent parts of a whole, parts of a set, points on a number line, or distances on a number line. They learn to order and compare unit fractions and fractions with like denominators by using models and an understanding of the concept of numerator and denominator.

Also, students in grade 3, collect, display and interpret data using frequency tables, bar graphs, picture graphs and number line plots having a variety of scales. Students also tell time to the minute using digital and analog clocks and determine elapsed time to the minute.

Objectives

Students will be able to

- Read, write, and compare numbers to 100,000
- Identify the place value of a digit in any number to 100,000
- Skip count by 2, 3, 5, 10 to four digits
- Write amounts of money with dollars and cents
- Identify decimal and fraction relationships with visual cues or concrete materials
- Compare fractions with the same denominator or the same numerator
- Count forward and backward by 10, 100, and 1,000 from any number
- Demonstrate mastery of multiplication facts to 10×10
- Use estimation to determine if an answer is reasonable
- Use the inverse relation between division and multiplication to work with fact families
- Multiply by 10, 100, and 1,000.
- Solve number story problems including: parts and total, comparison, and equal groups with sharing
- Solve problems using models, data, arrays, counters, calculators, and graphics
- Use number models to represent solution strategies
- Make up and solves number stories using the four operations.
- Identify and creates number patterns
- Complete number sequences following rules
- Identify plane and solid figures
- Classify and determine perimeter of polygons
- Determine the area of a rectangular region
- Tell and write time to the minute using analog and digital clocks
- Use measuring tools appropriately
- Demonstrate an understanding of simple data analysis

Instructional Material and Resources/ Required Texts

Text Harcourt Math Grade 3 /Harcourt Math Practice Book

Materials Teacher generated materials, games, puzzles, manipulatives and CD Roms



Grade 3 Science

Course Description

The third grade curriculum is focused on six components including: Earth and Space Sciences; Life Sciences; Physical Sciences; Science and Technology; Scientific Inquiry; and Scientific Ways of Knowing. Each of these components has subtopics that are relevant to the third grade course of study. Third grade continues to use the unifying concepts taught in grades K-2 including evidence, explanation, measurement, order and organization, and change. Students learn to read and interpret simple tables and graphs, conduct safe investigations in which they collect and analyze data, and communicate the results. Third-graders explore the properties and composition of rocks and soils and the interaction of forces and motion. They also compare the life cycles of animals, classifications of animals according to their characteristics, descriptions of their habitat and adaptations to their environment. Students examine results of technology and explore careers in science, as well as scientific contributions from a diversity of cultures.

Objectives

Students will be able to

- Describe Earth's resources including rocks, soil, water, air, animals and plants and the ways in which they can be conserved.
- Differentiate between the life cycles of different plants and animals.
- Compare changes in an organism's ecosystem/habitat that affect its survival.
- Describe the forces that directly affect objects and their motion.
- Use appropriate instruments safely to observe measure and collect data when conducting a scientific investigation.
- Organize and evaluate observations, measurements and other data to formulate inferences and conclusions.
- Develop, design and safely conduct scientific investigations and communicate the results.
- Describe different types of investigations and use results and data from investigations to provide the evidence to support explanations and conclusions.
- Explain the importance of keeping records of observations and investigations that are accurate and understandable.

Instructional Material and Resources/ Required Texts

Text Science: Ohio Edition (Harcourt School Publishers)

Ohio Edition Reading Support and Homework (Harcourt)

Materials Instructional materials used will include, but are not limited to, teacher generated materials, videotapes, CD ROMs, documents, periodicals, magazines and the Internet.



Grade 3 Social Studies

Course Description

The third grade social studies curriculum introduces students to the study of physical, cultural and geographical factors which influence the regions of the United States as well as Egypt. In addition, historical, economic and civic characteristics will be examined for each region. Students will attain an awareness of the United States and Egyptian regions. Regions will be divided by natural characteristics such as landforms or climates and by cultural characteristics such as economic and social. They will learn how people adapt to their environment and use technology to modify it. In addition, students will study how people of various regions interact. Students will extend their map reading skills by interpreting, constructing and using various types of maps. Students will also work with information by collecting regional data. They will organize, interpret and present this information orally, graphically and in writing. In addition, they will use a variety of technologies to assist in accessing and managing information.

Objectives

Students will be able to

- Demonstrate an understanding of culture, cultural diversity and cultural systems.
- Understand that people live in communities.
- Understand the role of government in a community and how this government functions.
- Know the location of the seven continents, four oceans and other major bodies of water on a world map and globe.
- Locate and describe major features including landforms and bodies of water (including mountain ranges, plateaus, rivers, rainforests and deserts)
- Identify the influence of major geographical features on a population.
- Identify periods in history, as well as the idea of sequential events, chronology, and the significance of important individuals or groups.
- Interpret information from data sources such as atlases, database, charts and maps.
- Understand how to interpret information from various representations of the Earth, including maps and photographs.
- Interpret and utilize important map components such as distance scale, key/legend, cardinal directions, title and symbols.
- Interpret thematic maps including physical, political, climate and population.
- Read, compare and use bar and line graphs
- Read a timeline and flow chart
- Read a Cutaway Diagram
- Understand Time Periods
- Resolve conflict and solve a problem

Instructional Material and Resources/ Required Texts

Text: Harcourt Horizons: People and Communities Grade 3

Materials: Instructional materials used will include, but are not limited to, teacher generated materials, games, puzzles, videotapes, CD ROMs, documents, periodicals, magazines, library books, and the Internet