

# Fourth Grade

Warren Township Schools  
Warren, New Jersey

## Grade Level Expectations

### Reading/Language Arts

Fourth grade students will use reading, writing, listening, and speaking to communicate for a variety of purposes.

By the end of Fourth Grade, your child should be able to:

- Write, revise, and publish for different purposes and audiences.
- Improve proficiency in writing compositions of narration, description, exposition, and persuasion.
- Consistently use capitalization, punctuation, parts of speech, and spelling through the writing process.
- Develop varied and sophisticated sentence structure.
- Apply rules of grammar to writing.
- Demonstrate proficiency in cursive writing.
- Read and respond to various genres including fiction, nonfiction, and poetry.
- Internalize and use comprehension strategies: make a prediction, make an inference, draw a conclusion, and identify the main idea with supporting details.
- Recognize and analyze story elements of character, setting, problem, events, and solution.
- Develop vocabulary related to specific content areas and literature.

### Mathematics

Fourth grade students extend their mastery of multiplication and division of whole numbers. They develop and apply concepts related to fractions, decimals, geometry, probability, and measurement. They will refine critical thinking and problem solving skills.

By the end of Fourth Grade, your child should be able to:

- Use and demonstrate a variety of strategies for problem solving.
- Maintain speed and accuracy in basic multiplication and division facts.
- Apply the four operations for whole numbers (including multiplying a two- or three-digit number and dividing a three-digit number by a one-digit number).
- Identify geometric shapes and calculate area, perimeter, and volume.
- Compare, order, add, and subtract fractions and decimals.
- Round and estimate fractions, decimals, and whole numbers.
- Apply basic measurement skills in standard and metric units.
- Understand and calculate elapsed time.
- Create, interpret, and analyze data using graphs, tables, and charts.
- Utilize and apply concepts of statistics and probability to solve problems.
- Use and understand the concept number sense and place value to the millions.
- Master and apply Math vocabulary.

## Science

Fourth grade students complete three inquiry-centered units of instruction: Land and Water, Electricity, and Motion and Design. Students use inquiry skills such as observing, reporting, classifying, measuring, inferring, predicting, and conducting investigations to learn science concepts.

By the end of Fourth Grade, your child should be able to:

- Understand the importance of water in shaping the land.
- Use stream table materials to investigate the interactions between water and land.
- Analyze the materials that make up land and describe these materials on the basis of their properties.
- Compare the changes in land created by water flowing over and through soil in a stream table.
- Investigate the effects of slope, flow, and natural land formations on erosion and deposition.
- Understand the water cycle and its effect on the shape of the land.
- Discover how to light a bulb using a simple battery, a piece of wire, and a small bulb.
- Use a battery holder, a light bulb socket, and their attached Fahnestock clip-devices to build circuits.
- Construct and draw diagrams of simple, series, and parallel circuits.
- Construct a switch and learn why switches are important.
- Design and construct a flashlight.
- Draw plans for and wire a four-room house.
- Understand and apply Newton's Laws of motion.
- Design and build a vehicle to meet certain requirements.
- Identify details that are important in technical drawings and compare student drawings with technical drawings.
- Investigate the effects of a load, friction, air resistance, and rubber band energy on motion.

## Social Studies

Fourth grade students study the history and geography of the regions of the United States. They explore the economic, political, social, and cultural aspects of our country, both present and past, with emphasis on NJ.

By the end of Fourth Grade, your child should be able to:

- Identify and locate the five regions of the United States (SW,SE,NE,MidWest,and W) and their unique characteristics.
- Locate places on a map using points of reference such as latitude, longitude, hemisphere, Prime Meridian, and Equator.
- Identify basic geographical landforms such as mountains, rivers, valleys, deltas, islands, peninsulas, plains, and bays.
- Gain information from a map using a legend.
- Demonstrate the ability to use scale to determine distance.
- Develop an appreciation for the ever changing environments of the United States regions.
- Understand the early beginnings of democracy to present day government.
- Evaluate historical events and their impact on our lives.
- Examine the influences of science and technology on society.
- Compare and contrast traditional and modern cultures.
- Explain how wants and needs and goods and services advanced the economic development of our country.
- Gain an understanding of the role of industrial rights and responsibilities, beliefs, and principles that shape our national identity.



## Special Areas of Study

### Art

The focus of the art program is to become proficient in basic art skills and develop conceptual understanding of art elements and principles.

By the end of Fourth Grade, your child should be able to:

- Explore the art of critique.
- Explore non-representational art and how to translate it through the use of symbolism.
- Understand the concept of value, tint, and shade.
- Develop an understanding of the concept of positive and negative.
- Promote drawing, painting, and mixed media with multi-media materials.

### Computer Science

The focus of the program is to enhance each child's ability to use a computer correctly and independently while adding to word processing, presentation, research, and spreadsheet skills.

By the end of Fourth Grade, your child should be able to:

- Find and open files.
- Use proper keyboarding techniques.
- Apply basic word processing skills to create a document.
- Create a multimedia presentation.
- Identify cells, rows, and columns in a spreadsheet.
- Utilize basic Internet skills to research a topic.

### Library

The mission of the library media program is to ensure that students are effective users of ideas and information and that they develop a lifelong love of reading. As the children grow throughout the years, so will their skills.

By the end of Fourth Grade, your child should be able to:

- Expand their use of the online catalog.
- Understand and use dictionaries, encyclopedias, atlases, and almanacs.
- Be introduced to the district's Research Model.
- Use the Internet and online reference databases for research.
- Understand Internet safety in the cyber-community.
- Use and adhere to district Acceptable Use Policy.
- Use basic technology vocabulary.

### Music

The music curriculum enables students to express themselves creatively and develop critical thinking skills, through language and pattern organization. This can be accomplished through singing, movement, playing classroom instruments, beginning band and orchestral instruments, and composing. Listening to and understanding music provides students with a broad cultural and historical perspective.

By the end of Fourth Grade, your child should be able to:

- Participate in creative individual and cooperative learning projects.
- Expand on rhythmic notation.
- Discuss major composers and their works.
- Classify instruments into their musical families.

## Physical Education

The physical education program is designed for the purpose of enhancing psychomotor, cognitive, and affective development of individuals through means of body movement. In addition, our P.E. curriculum offers opportunities that encourage independence, goal-setting, developing leadership, and respect of cultural diversity.

By the end of Fourth Grade, your child should be able to:

- Demonstrate that exercise increases heart rate.
- Describe the relationship, duration, and intensity of exercise.
- Apply the five components of fitness (strength, cardio-respiratory endurance, flexibility, body composition, and muscular and endurance) in order to gain physical fitness.
- Describe the characteristics of skilled performance in various sports such as basketball, soccer, and hockey.
- Describe and demonstrate the application of appropriate rules and strategies in sports.
- Utilize good sportsmanship behaviors while participating in or observing sports activities.

## World Languages

Students will be able to express themselves using complete questions, statements, and commands. Students will be able to apply prior knowledge of Spanish to new situations and themes.

By the end of Fourth Grade, your child should be able to:

- Apply vocabulary regarding community workers and places.
- Describe the school personnel and places.

- Describe rooms of the house and furniture.
- Identify vocabulary for zoo animals and their habitats.
- Compare and contrast December holidays in Hispanic countries.
- Identify family members.
- Demonstrate preference for sporting activities.
- Categorize food in a nutritional pyramid.
- Describe needs or physical state using the Spanish verb: tener.
- Compare and contrast traditional Latin and American meals.
- Investigate basic facts about Latin American countries.
- Describe Picasso paintings.

## Health

Through role-playing activities and various outside resources, we teach students a deeper understanding of how good health practices enhance and support personal and family physical and mental health.

By the end of Fourth Grade, your child should be able to:

- Describe and demonstrate how to access and convey health-enhancing behaviors.
- Apply knowledge in interpreting food labels that will determine healthy choices.
- Recognize unhealthy or dangerous situations.
- Describe the basic functions of the digestive system, the ears, and teeth.
- Identify different changes in the body that children go through in puberty.
- Apply decision-making and refusal skills in situations involving their health and safety.

### Warren Township Schools - District Mission Statement

The Mission of the Warren Township School District, in partnership with the family and community, is to create an environment in which each child is valued and experiences the challenge and excitement of learning.

District Website: <http://www.warrentboe.org>

