

# Fifth Grade

## Warren Township Schools Warren, New Jersey Grade Level Expectations

### Reading/Language Arts

Fifth Grade students read for a variety of purposes with increasingly complex literature and text. Students use reading, writing, listening, speaking, and critical thinking skills to communicate for different purposes.

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

- Use the writing process of prewriting, drafting, revising, editing, and publishing for a variety of purposes.
- Demonstrate proficiency in expository and persuasive writing, narratives, poetry, critique, and research reports.
- Consistently write and edit using appropriate sentence structure, spelling, grammar, usage, punctuation, capitalization, and dialogue.
- Read with fluency and construct meaning by making connections to self, the author, and others.
- Respond literally, inferentially, and critically to a variety of literature.
- Analyze setting, plot, characterization, theme, and point of view.
- Distinguish between major and minor details, make inferences, and recognize historical and cultural biases and different points of view.
- Use print, non-print, and technological reference materials for various purposes.
- Predict, organize, summarize, compare, contrast, and draw conclusions using background information and multiple sources.

### Mathematics

Fifth grade students develop proficiency in using whole numbers, fractions, decimals, and percents to solve problems. They collect and interpret data to draw conclusions. In addition, students understand and apply concepts involving probability, patterning, logic, geometry, and measurement.

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

- Construct, use, and explain procedures for adding, subtracting, multiplying, and dividing whole numbers, decimals, fractions, and mixed numbers.
- Convert whole numbers, fractions, and decimals to represent equivalent forms of the same numbers.
- Use a variety of estimating strategies for computation and problem solving.
- Create and solve multiple step word problems.
- Identify, describe, and compare geometric shapes.
- Calculate perimeter, area, and angles.
- Understand the relationships of congruence and symmetry.
- Select, compare, and convert standard and metric units of measure.
- Evaluate number sentences, tables, graphs, ratios, algebraic expressions and equations in problem solving.
- Analyze data and make inferences using graphs, range, median, and mean.
- Determine probabilities and make predictions.

## Science

Fifth grade students complete three inquiry-based units of instruction: Microworlds, Mixtures and Solutions, and Measuring Time. Students use inquiry skills (predicting, conducting investigations, observing, measuring, inferring, classifying, and reporting) to learn science.

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

- Understand and use safe practices when conducting science investigations.
- Express collected data using graphs, tables, and spreadsheets.
- Recognize that scientific theory develops over time and reflects different social and political cultures.
- Identify the contributions of major scientists throughout history.
- Observe and record the physical properties of elements.
- Recognize that physical properties such as boiling point, melting point, and solubility are independent of the amount of the sample.
- Understand the history and usage of the periodic table.
- Describe the properties of mixtures and solutions, including saturation and concentration.
- Recognize the evidence of chemical reactions.
- Separate mixtures and solutions using the techniques of filtering and evaporation.
- Demonstrate that equal volumes of different substances usually have different masses.
- Understand how crystals are formed.
- Observe and describe organisms using a microscope.
- Explain how motions of the earth, sun, and moon define units of time.
- Create mechanical devices used to measure intervals of time.

## Social Studies

Fifth Grade Students study the geography of the United States and its growth through historical events. They will recognize the importance of major documents and learn how government functions.

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

- Use physical, political, relief, elevation, historical, and road maps to interpret information.
- Analyze the effect of climate and land formations on the development of the United States.
- Compare and contrast the Native American groups of North, Central, and South America.
- Identify major explorers and analyze their interactions with the peoples of the Americas.
- Explain the differences in colonization by England, the Netherlands, France, and Spain.
- Trace the development of African slavery in the Americas.
- Discuss factors leading to the French and Indian War, the American Revolution, the War of 1812, the Mexican War, and the Civil War, include major battles and personalities, and the results of these wars.
- Analyze documents, such as the Articles of Confederation, the Declaration of Independence, the Constitution, the Bill of Rights and the Emancipation Proclamation.
- Discuss the functions of the federal, state, and local governments.
- Describe how a bill becomes a law.
- Analyze the political, economic, and social changes resulting from the Louisiana Purchase, Manifest Destiny, and the industrial era.
- Describe the geography and cultures of Canada, Mexico, Central America, the Caribbean, and South America.

## Special Areas of Study

### Art

By fifth grade, the art program focuses on providing practice for problem-solving, critical thinking, and acquainting students with the possibilities and limitations of materials. The program will continue to help students grow creatively, emotionally, aesthetically, and socially.

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

- Understand that vanishing point can create perspective.
- Promote the use of drawing and painting as a means of communication and expression.
- Explore the use of color to portray emotion, feelings, and ideas.
- Demonstrate individual expression through the use of multi-media.
- Have a working knowledge of 3-dimensional sculpture.
- Have a sense of art history and how it helped to shape our culture.
- Have knowledge of the art elements.

### Computer Science

The focus of the program is to enhance each child's ability to use a computer correctly and independently while preparing students with an array of technology skills necessary for success in the Middle School grades.

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

- Use proper keyboarding techniques and shortcuts for common menu commands.
- Apply word processing skills to create a document.
- Use proper page setup when creating a document.
- Manage files and folders.
- Create a spreadsheet.
- Understand proper Internet etiquette.
- Use basic Internet search techniques to complete a research project.
- Create a PowerPoint presentation.

### 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 Fifth Grade, your child should be able to:

- Access materials in all formats.
- Recognize Newbery Medal books.
- Complete a research project following the guidelines of the district's Research Model.
- Use the Internet and online reference databases for research.
- Use and adhere to district Acceptable Use Policy.
- Exhibit legal and ethical behaviors when using information and technology and understand consequences of inappropriate behavior.

### Music

The music curriculum enables students to express themselves creatively and develop critical skills through language and pattern organization. This can be accomplished through singing, movement, playing classroom instruments, playing band and orchestral instruments, and composing.

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

- Apply skills using the elements of music to create his or her own songs and music.
- Notate and perform music.
- Participate in more advanced ensembles.

## 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 Fifth 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 endurance) in order to gain physical fitness.
- Describe the characteristics of skilled performance in various sports such as basketball, soccer, and hockey, etc.
- Describe and demonstrate the application of appropriate rules and strategies in sports.
- Utilize good sportsmanship behaviors while participating in observing sports activities.
- Use and apply all the previous skills while exhibiting appropriate behavior, sportsmanship, and full participation during class activities.

## World Languages

Fifth grade World Language students will be able to read for comprehension and respond to and formulate complex statements, questions, and commands. Students will be able to communicate in the target language in a variety of situations while on an imaginary trip through Mexico.

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

- Identify geographical terms.
- Tell time.
- Apply previous knowledge to create dialogue.
- Describe cultural sites of Mexico including:
  - Mexico City
  - Xochimilco
  - Bullfighting Arena
  - Acapulco
  - Mayan Pyramids
- Compare and contrast Mexican customs.

## Health

Our goal is to strengthen students' ability to recognize analyze and react to unhealthy or dangerous situations in a safe and appropriate manner.

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

- Navigate through and around conflicting messages, risky behaviors and mounting pressures and to develop dependable support systems.
- Recognize, understand, and address immediate or chronic health problems.
- Identify common health products and foods found in the home and correctly interpret labels, information, directions, and warnings.
- Understand and explain changes taking place during puberty.
- Analyze how health decisions and behaviors are influenced by family, peers, culture, and the media and develop strategies that support effective decision-making and safe behavior.
- Discuss and analyze the impact of chemical substances on development, behavior, and activities.

### 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>

