

SCHOOL DISTRICT OF PHILADELPHIA

GRADE-LEVEL EDUCATIONAL GOALS
PARENT REFERENCE GUIDE

6TH GRADE

READING / WRITING

By the end of the school year, your sixth grader should be able to:

- Explain some of the strategies they use for comprehension before, during and after reading such as Talk Across the Fingers, The 5 Ws, and TAG It a 3
- Read and understand a variety of texts including historical fiction, novels, poetry, fairy tales, tall tales, myths, legends and plays
- Read and discuss informational texts, such as magazines, newspaper articles, science and social studies texts
- Use writing skills to plan, draft, revise, and publish writing for a specific purpose
- Write a variety of pieces such as stories, plays, poems, and reports



MATHEMATICS

By the end of the school year, your sixth grader should be able to:

- Solve problems applying the order of operations and number relationships with fractions, decimals, integers and percents
- Use calculators to explore complex number situations
- Make, check, and verify predictions and explain reasoning
- Convert customary and metric units within the same system of measurement, such as, inches in a yard
- Solve problems involving perimeter (distance around), area (amount covered inside) and volume (capacity within)
- Identify the types of angles (acute = less than 90° , right = 90° , obtuse= more than 90°)
- Make scale drawings
- Determine the best way to display and interpret data in a set
- Describe data sets using mean (average), median (middle number), mode (most often), and range (difference from the largest to smallest)
- Determine the chance of a simple event happening, for example, “What is the chance of flipping a coin and getting it three times in a row?”
- Look at a pattern and determine how to find out what comes next, for example, 7, 12, 17, 22, (The rule is add 5 and the next number is 27)
- Plot and locate points on a coordinate plane
- Explain mathematics vocabulary (lines of symmetry, tessellations, reflections, rotations, translations, parallel, perpendicular, similar and congruent) for shapes
- Identify and measure parts of a circle (center, radius, circumference, central angles, and diameter)

SCIENCE

By the end of the school year, your sixth grader should be able to:

- Develop skills that will emphasize the five senses while doing science
- Create questions based on observations
- Make generalizations about experimental results
- Apply mathematics in the context of science
- Build an understanding of concepts in Earth science by using models and maps
- Observe the effect of water on shaping the land
- Interpret scientific theories about the structure of the universe
- Summarize the history and future of human spaceflight
- Explain the need to develop an attitude of respect and understanding for life. Describe changes in environmental conditions, both natural and man-made, that can affect the survival of individual organisms and entire species
- Conduct hands-on investigations to discover and understand their world
- Record observations in science notebooks



SOCIAL STUDIES

By the end of the school year, your sixth grader should be able to:

- Discuss the ideas and strategies of financial literacy such as money management and apply them to daily situations
- Use the five themes of geography: location, movement, place, region, and interaction to answer geographic questions and analyze geographic concepts
- Identify important patterns in the movement of people, goods and ideas over time and place
- Analyze the interactions between humans and their physical environments
- Discuss how the land, history and cultures of Latin America influenced the development of the western Hemisphere
- Explain how the geography of North America played an important role in the development and spread of the Native American culture
- Compare and contrast the political systems of Canada and the United States
- Explain the development of the Cambodian community in Philadelphia
- Discuss the rules that govern the Juvenile Justice System in Pennsylvania
- Exhibit an understanding of African American History

HEALTH/PHYSICAL EDUCATION

By the end of the school year, your sixth grader should be able to:

- Understand the impact of the media on teen behavior
- Demonstrate empathy for ill persons
- Understand why abstinence is the safest behavior for teens
- Know the effects of stress on health and behavior
- Expand knowledge of sport skills
- Design a personal fitness plan

ART AND MUSIC

By the end of the school year, your sixth grader should be able to:

Art

- Understand how to use color, line and shapes to create a work of art
- Describe the subject, symbol or idea in a work of art using art vocabulary
- Write a paragraph describing their opinion of a work of art

Music

- Sing and play in two and three part harmony using music notation with accuracy and appropriate expression
- Know and demonstrate different styles and genres of music by singing and playing instruments