

SCHOOL DISTRICT OF PHILADELPHIA

GRADE-LEVEL EDUCATIONAL GOALS
PARENT REFERENCE GUIDE

4TH GRADE

READING / WRITING

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

- Read silently most of the time and then talk about what they read
- Read and understand all types of books and stories including biographies, science information, folktales, and poems
- Make connections between the stories and texts they read
- Return to the story or text to support their opinions
- Talk and write about the characters, setting, problems and solutions after reading
- Write a variety of pieces such as poems, plays, stories, reports, and instructions about how to do or make something



MATHEMATICS

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

- Add, subtract, multiply and divide
- Recognize the relationship between fractions and decimals
- Order, add, and subtract simple fractions and decimals
- Identify proper ($\frac{2}{8}$) and improper fractions ($\frac{8}{2}$)
- Solve problems using part to whole relationships (ratios and proportions)
- Determine perimeter (distance around) and area (amount covered inside) with unit squares
- Use coins and bills to purchase items and make change
- Discuss and interpret data (largest, smallest, most frequent, and middle)
- Use tables and bar graphs, line plots, and stem and leaf graphs to show data
- Predict and determine all possible combinations and outcomes
- Skip count by 10's, 25's, 50's, 100's, and 1000's
- Identify, compare, and classify shapes based on properties of angles (acute is less than 90° , right = 90° , and obtuse is more than 90°)
- Explain how they solved a math problem in their own words

SCIENCE

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

- Develop skills that will emphasize the five senses while doing science
- Ask questions based on observations
- Compare results from data collected
- Create graphs and charts and make predictions and conclusions
- Build an understanding of how waves, wind, water, and ice shape and reshape the earth's land surface
- Understand basic concepts of magnetism and electricity. Magnets display forces of attraction and repulsion that decreases with distance
- Explain the life cycles of various plants and animals
- 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 fourth grader should be able to:

- Apply the five themes of geography: location, movement, place, region, and interaction to Pennsylvania and its people
- Examine the importance of the role of ethnic groups and the multiple roles they have played in the development of Pennsylvania
- Trace the history of colonization in Pennsylvania
- Understand the state's social, economic, and political institutions and how they respond to the needs of Pennsylvanians
- Study, investigate and exhibit an understanding of African American History



HEALTH/PHYSICAL EDUCATION

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

- Recognize that as one grows, the body changes
- Identify the major organs and where they are located
- Recognize conflict resolution skills
- Participate in team games, follow rules, play safely and show good sportsmanship
- Create an exercise routine to music

ART AND MUSIC

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

Art

- Show confidence in expressing their ideas and experiences in drawings and paintings
- Use basic art vocabulary to describe a work of art
- Know the difference between realistic and abstract art
- Create a plan before making a work of art

Music

- Sing and play a variety of songs using musical notation
- Improvise or compose short songs using a variety of sound sources, such as body, vocal, and instrumental sounds