

LANGUAGE ARTS

- I. Learning to Read Independently
 - recognize and apply basic sight vocabulary
 - associate consonants and vowel sounds
 - uses strategies to read independently
- II. Reading Critically in All Content Areas
 - identify and describe the beginning, middle and end of stories
- III. Reading, Analyzing, and Interpreting Literature
 - identify literary elements in stories such as characters, setting and plot
 - respond to non-fiction and fiction through reading and illustrations
- IV. Types of Writing
 - write narrative, informational and opinion pieces with supporting description and details
- V. Quality of Writing
 - write with a distinct focus
 - organize writing in a logical order
 - edit writing for spelling, capitalization, order and punctuation
- VI. Speaking and Listening
 - listen attentively and respond appropriately to literature and class discussions
- VII. Characteristics and Functions of the English Language
 - identify words from other languages that are commonly used in English
- VIII. Research
 - select a topic for research
 - locate, organize and present information on a topic

MATHEMATICS

- I. Numbers and Number Relationships
 - count and write whole numbers to 100
 - identify and apply number patterns
 - recognize and understand the fractions (halves, thirds and fourths) of an object
- II. Computation and Estimation
 - memorize basic facts to 10 in addition and subtraction
 - determine the sum of 2 or 3 addends using manipulatives, pictures and number sentences
- III. Measurement and Estimation
 - tell time to the hour and half hour
 - measure objects using standard and metric units
- IV. Mathematical Reasoning and Connections
 - create and prove predictions
- V. Mathematical Problem Solving and Communication
 - create, write, and solve story problems based on real life situations
 - use appropriate problem solving methods
 - explain steps needed to solve a problem
- VI. Statistics and Data Analysis
 - gather, organize, and graph information
 - answer questions and make predictions using data
- VII. Probability and Predictions
 - predict the likelihood of the occurrence of a certain event
 - use concepts like largest and smallest to analyze data
- VIII. Algebra and Functions
 - use concrete objects to solve number sentences

- explain how to solve a number sentence
- IX. Geometry
 - name and identify two and three-dimensional geometric shapes
 - identify symmetry
 - X. Trigonometry
 - identify the number of sides and corners of a given shape
 - XI. Concepts of Calculus
 - order numbers to 100
 - continue number patterns through 100

SOCIAL STUDIES

(emphasis on decision making and analytical thinking rather than factual recall)

- I. Self and family
- II. Map and globe
- III. Immediate community/careers

SCIENCE

(hands-on approach to learning, giving emphasis to the process scientists use including inferring, communicating, predicting, measuring, observing, classifying, and experimenting)

- I. Characteristics of air and water, weather
- II. Magnets
- III. Plants, animals, and environments

HEALTH

- I. Human emotions
- II. Personal hygiene
- III. Nutrition, safety
- IV. Anatomy and physiology
- V. Dental health

ART – Kindergarten, first grade, and second grade students complete a three-year art curriculum that rotates every year. Students learn art history, art across the cultures, and art involving everyday life. In first grade, students will:

- Practice observation and listening skills throughout their art production.
- Acquire a basic art vocabulary to enable them to voice their artistic knowledge effectively.
- Develop a stronger awareness of the elements of art and use the elements to create pieces of art: line, shape, color, texture, form and space.
- Improve their fine and gross motor skills through the use of a variety of art materials and processes: cutting, gluing, tearing, drawing, painting, printmaking, building, etc.
- Use problem-solving skills to create pieces of art.
- Develop social skills by discussing and creating art with others.
- Self-reflect on their art pieces.
- Compare and contrast various pieces of art.
- Become introduced to various periods of art history in its chronological order.
- Realize the global and cultural significance of art.
- Develop an awareness of the relationship between art with other subject areas and everyday life: math, science, social studies, music, and literature.

MUSIC

- I. Develop music appreciation through listening and discussing various types of music
- II. Enhance learning and creativity through various experiences, including performing alone and with a group
- III. Learning note values, and create and perform rhythm patterns
- IV. Discover pitch moving in steps, skips, and repeating patterns
- V. Recognize various tone colors within a piece of music
- VI. Discover form as a building block of making music
- VII. Enhance self-worth through the joys of making music, both alone and with a group

COMPUTER

- I. Computer Operations
 - A. Recognizing and applying primary computer terminology
 - B. Identifying and using basic computer input and output devices
 - C. Demonstrating proper care for technology equipment
- II. Computer Software
 - A. Opening/closing and utilizing developmentally appropriate software programs
 - B. Applying basic word processing skills
 - C. Creating simple graphics using painting and drawing programs

In **PHYSICAL EDUCATION**, children learn various games, rhythmic activities, gymnastic activities, and the concepts of good sportsmanship, responsibility, and leadership, as well as how to follow simple directions. In addition to the regular program, the district offers **ADAPTIVE PHYSICAL EDUCATION** for children with specific needs.

LIBRARY – First grade students are introduced to many of the authors found in the library. A variety of authors and illustrators are presented with emphasis on their lives, their works, and their illustrations. An understanding of the Caldecott Medal is also explored.

SOCIAL GROWTH AND WORK HABITS will help children, within the limits of age and maturity, to accept the responsibility for learning and to work well within a group.



Accepting responsibility for learning and working in a group

I

first grade

Muhlenberg Elementary Center
Kutztown Road and Sharp Avenue
Laureldale, Pennsylvania 19605
610-921-8028

See the building principal or teachers with questions about the curriculum.
FIRST GRADE, 8/04
