

LANGUAGE ARTS - Reading

First grade students read 60 short stories or little books during the year.

First grade students learn:

- the sounds that letters make
- word families, such as the -at family of cat, rat, bat, hat, sat
- to sound out short words
- to recognize many words quickly
- ways to figure out new words
- to notice when they have made a mistake
- to look through a book before they read it and get an idea of what it's about
- to think ahead about what might happen in a story
- to tell what happened in a story after they have read it

NOTE: Reading comprehension skills are also applied to viewing and listening skills.

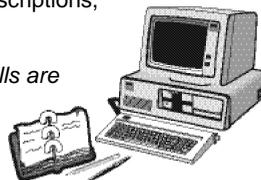


LANGUAGE ARTS - Writing

First grade students learn to:

- write independently
- express their own ideas and feelings in writing
- plan what will come first, next and last in their writing
- write complete sentences
- correctly spell a group of important words that are used often
- use temporary spelling to write other words by writing down the sounds they hear
- print legibly
- check what they have written for the grammar, spelling and punctuation they have learned
- begin to write in a variety of forms, including stories, friendly letters, descriptions, instructions, and reports

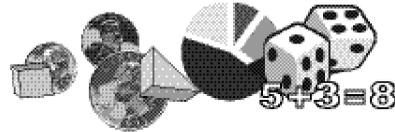
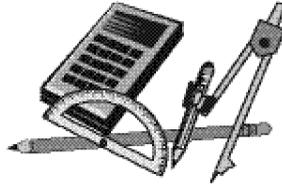
NOTE: Oral communication skills are applied to relevant skills of writing.



MATHEMATICS

First grade students learn to:

- count by 1s, starting with any number up to and including 20
- count back from 30
- count by 2s to 30 and 5s to 120
- count up to 20 objects
- read, write, compare and order numbers to 120
- represent whole numbers up to 20 in various ways
- find the sum of three one-digit numbers (e.g. $2+3+1=6$)



- use one-digit addition and subtraction to solve problems (e.g. $2+4=6$; $6-4=2$)
- show understanding of odd and even numbers up to 12
- identify one-half of a group of objects
- sort, classify, and compare objects in a group
- sort and describe two-dimensional shapes (e.g. circle, square)
- recognize, describe and continue repeating patterns involving up to four elements (e.g. red, yellow, blue, green; red, yellow, blue, green)
- combine pennies, nickels, or dimes to equal one dollar
- tell time to the hour and half-hour
- use a calendar to identify the date, day, month, year, yesterday, today and tomorrow
- estimate and measure length and volume
- gather and record data about classmates in a simple graph
- identify patterns in simple graphs

SCIENCE

First graders use their natural curiosity to observe, predict, and analyze as they investigate living organisms, earth materials, and electricity. Teachers will select three or more of the following Science Kits: Guppy Aquaria; New Plants; Organisms; Pebbles; Sand & Silt or Rocks; and Electricity.

First grade students learn to:

- generate questions that lead to a simple investigation
- compare relative sizes, shapes, and amounts of objects; record organized data from their investigations
- communicate their observations with simple tables and graphs
- describe and sort earth materials based on their physical properties
- explore places where specific earth materials are found and examine ways that humans use earth materials
- describe the basic life-sustaining needs of plants and animals
- identify major life cycle events of living organisms and observe characteristics that offspring have in common with their parents
- describe the effects of environmental changes on plants and animals
- sort, group, and classify objects based on their properties
- construct a complete electrical circuit that illustrates a useful effect of electricity such as light, heat, or sound
- design a strategy for the solution of a problem and test the proposed solution using hands-on materials



SOCIAL STUDIES

The first grade program helps students develop an understanding of families as units that provide for the basic physical and emotional needs of the individuals connected within the family unit.



First grade students learn to:

- recognize the concept of family in humans and in nature
- describe the function of family in providing for basic physical and emotional needs
- recognize, describe, and respect the similarities and differences among families when given local to global examples
- identify the roles, rights and responsibilities of family members in general and in their families specifically
- recognize that time and circumstances (political, social, economic, natural disasters, etc.) affect the function of families
- basic map skills

WORLD LANGUAGES

The amount of time for world language instruction varies at sites that have programs. The following expectations apply at sites that do have programs.

First grade students learn to:

- give and follow simple directions for classroom activities
- ask and respond to simple questions about themselves and familiar topics
- recognize words they have learned
- recognize and understand cultural gestures
- engage in short dialogs about familiar topics
- imitate pronunciation of words and phrases
- identify and label items
- copy familiar words
- sing, say and listen to songs, rhymes and stories
- participate in cultural activities that are age appropriate



The district is working on expectations and resources for broader implementation.