York Suburban School District

Curriculum Overview - Grade 2

Language Arts

The second grade Language Arts curriculum follows the Pennsylvania Standards of teaching children to read, write, speak and listen. These skills are incorporated into a Balanced Literacy Framework including: Shared Reading, Guided Reading, Self-Selected Reading, Writing and Word Work.

Throughout the year second grade students will:

- learn to read independently by using before, during and after reading strategies
- read and understand content in all academic areas
- read all types of literature with understanding for a variety of purposes
- write in a variety of forms such as narrative, informational and persuasive
- learn to choose a writing topic and effectively use the writing process (pre-writing, draft, revise, edit and publish) to complete an individual writing piece
- learn to listen and respond to others and to literature
- contribute and participate in group discussions and individual presentations
- use resources (library and computers) to gather research information and create a report

Math

York Suburban School District uses Everyday Mathematics as the c ore instructional program and follows the Pennsylvania Standards of teaching children to understand and apply mathematical concepts.

Throughout the year second grade students will:

- explore numbers, number systems and relationships with numbers through 1,000 (counting by 2's, 3's, 5's, 10's, 25's and 100's); describe inverse relationship between addition and subtraction using double digits; begin to develop concept of fractions as part of a whole 1/6, 1/8; count, compare and make change up to one dollar using coins and dollar bills (write using decimal, dollar sign and cent sign)
- compute and estimate (apply single-digit addition and subtraction situations to 18; add and subtract single and double digit numbers in vertical form with and without regrouping using place value; estimation with answers through 1,000)
- demonstrate ability to measure objects and estimate objects' measurements using U.S. customary and metric units, recognize various ways to measure an object (length, mass/weight, time, temperature, capacity, area and perimeter); tell time to the hour and

five-minute intervals

- use mathematical reasoning to verify and explain predictions about quantity, size and shape of objects and groups of objects
- select appropriate problem solving strategies to solve problems
- analyze statistics and data through gathering, organizing and displaying information using various charts and graphs
- predict the likelihood of an event and verify the prediction; collect and describe data using concrete objects to show the concepts of variables, equations and inequalities; identify, describe and extend patterns based on shape, size, color or sound
- understand and apply geometry concepts by identifying, labeling, constructing, reproducing and drawing two-dimensional geometric shapes
- begin to develop an understanding of trigonometry concepts using right angles

Science

York Suburban School District promotes the scientific process in the study and exploration of science units. During the year, students will learn about:

- Animal Kingdom /Life Cycles
 - o Insects
 - o Reptiles
 - o Mammals
 - o Birds
 - o Fish
 - o Amphibians
- The Weather Cycle
- The Scientific Method

Social Studies

The second grade Social Studies curriculum includes community awareness and basic geography concepts. Significant historical figures are also recognized.

Throughout the year, students will be engaged in the following topics:

History

- Pilgrims
- Constitution Day
- Colonial days

Holidays

- Presidents' Day
- Columbus Day
- Martin Luther King Day

- Kwanza
- Hanukkah
- Los Posadas

Economics

- Economic needs
- Money

Geography

- Maps
- Oceans
- Continents
- Countries
- Cardinal directions (N,S,E,W)

Civics

- Communities
- Government services

Technology

York Suburban School District promotes the use of technology to support and enrich existing curriculum.

In second grade, students will be provided with opportunities to improve computer skills in the following areas:

- beginning graphing simple table and bar graph
- beginning keyboarding use of two hands and letter placement
- beginning computer skills opening, closing, highlighting, deleting, backspacing and saving
- grade level curriculum support software