What students will learn by the end of

FOURTH GRADE

Mission Statement

The mission of the Roosevelt Public School district is to educate and inspire all students to excel academically*, to become independent and creative thinkers, skillful communicators and lifelong learners. Roosevelt Public School nurtures and challenges the unique potential of each student so that our children will develop individual, social and civic responsibility as well as respect for themselves, each other, and the environment.

*to achieve or exceed N.J. CCCS at all grade levels

(For the complete version of the New Jersey Core Curriculum Content Standards, please access: www.state.nj.us/education.)

Shari Payson, Interim CSA/Principal
www.rps1.org

Dear Families,

This is a snapshot of all areas of the Grade 4 Curriculum. This version represents the curriculum for your child's grade in school. Using basic skills and experiences as building blocks, Roosevelt's Curriculum is focused upon what children will learn at each grade level and includes a balanced program of all academic areas. Our curriculum is based upon the national and state standards as well as the essential skills and understandings necessary for success on the N.J. ASK Test. Also included is an integration of the arts, physical education and world language.

This curriculum comes alive in the hands of our dedicated, talented teachers. We are committed to ensuring that our students reach their highest potential through a differentiated curriculum. We are dedicated to accommodating children's diverse needs, the way they learn, their experiences and interests, and to facilitating continuous educational growth.

We know that learning is optimized in a partnership with families, teachers, and schools. Working together, we can use your experiences as a family and our work in the classroom to create a respectful climate of academic success and joy for lifelong learning.

Sincerely,

Shari Payson
Interim CSA/Principal

LANGUAGE ARTS LITERACY

Reading

The learner will:

- Apply reading comprehension strategies such as asking questions, clarifying, predicting, comparing and contrasting in order to gain meaning from the text.
- Preview and set a purpose for reading.
- Identify the main idea, details and sequence of events.
- Make judgments about facts and opinions.
- Distinguish different types of genres.
- Make valid inferences based on background knowledge and details provided in text.
- Identify the author's purpose of the written text as informing, entertaining, instructing, or persuading.
- Identify differences of various print formats, including newspapers, magazines, books, and reference resources.
- Recognize purposes and uses for print conventions such as paragraphs, end-sentence punctuation, and bold print.
- Use letter-sound correspondence and structural analysis (e.g., roots, affixes) to decode words.
- Use appropriate rhythm and pronunciation in demonstrating understanding of punctuation marks.
- Use knowledge of word meaning, language structure, and sound- symbol relationships to check understanding when reading.
- Identify specific words or passages causing comprehension difficulties and seek clarification.
- Infer specific word meanings in the context of reading passages.
- Identify and correctly use antonyms, synonyms, homophones, and homographs.

Writing

The learner will:

- Use the writing process to enhance their writing skills.
- Write for a variety of purposes: to entertain, persuade, inform, demonstrate knowledge, answer questions, respond to literature, acquire knowledge (e.g., research, take notes, synthesize information) include details, topic sentence, and conclusion.

- Practice writing to a prompt within a specified time.
- Write poems, stories, and essays based upon personal reflections, observations, and experiences.
- Write friendly and business letters.
- Write creative, imaginative, and original responses to literature (e.g., poems, raps, stories).
- Develop a collection of writings.
- Score using a rubric.
- Use Technology - Use current technology as a research and communication tool for personal interest, research, and clarification.

Handwriting

The learner will:

- Review and practice cursive handwriting.

Speaking

The learner will:

- Speak for a variety of audiences and purposes.
- Convey a spoken message using complete sentences and age appropriate grammar.
- Plan and present interpretations of experiences, book reports, and keynote presentations.

Listening

The learner will:

- Interpret character's intent and emotions through intonation and dialogue.
- Use graphic organizers and note taking to facilitate listening.
- Make predictions and identify story elements.
- Follow three step oral directions to complete a task.

Viewing

The learner will:

- Respond to and evaluate the use of illustrations to support text.
- Create graphic organizers to demonstrate similarities and differences.
- Compare and contrast media sources.

Mathematics

Number and Numeration

The learner will:

- Read and write whole numbers up to one billion.
- Identify place value and a digit in a given number.
- Understand equivalent names for numbers.
- Compare and order numbers up to one billion and decimals through thousandths.
- Read, write, compare, and model fractions.
- Find multiples of numbers using an appropriate strategy.
- Compute all operations (addition, subtraction, multiplication and division).
- Use calculators and manipulative to solve problems and explain their work.
- Solve problems involving addition and subtraction of fractions and decimals.
- Make reasonable estimates for whole number and decimal addition, subtraction, multiplication and division problems.
- Demonstrate automaticity with multiplication facts.

Data and Chance

The learner will:

- Collect and organize data to create charts, tables, bar graphs, line plots and line graphs.
- Identify maximum, minimum, range, median, mode and mean in a collection.
- Predict the outcome of an experiment and summarize the results in an expression of the event as a fraction.

Geometry

The learner will:

- Identify appropriate metric or customary units of measure for length, weight or capacity.
- Solve word problems involving elapsed time.
- Read Roman numerals.
- Identify, draw, describe and compare geometric shapes (lines, angles,

polygons, etc.)
- Compute the area perimeter and volume of regular/irregular polygons.
- Identify one or more lines of symmetry.

Patterns, Functions and Algebra

The learner will:
- Describe rules for patterns and use them to solve word problems.
- Identify objects or figures that are the same or different by 1 or 2 characteristics.
- Evaluate number expressions by inserting grouping symbols (+, >, <, etc.).
- Solve for the unknown using an appropriate number model.

SCIENCE

Scientific Process

The learner will:
- Ask scientifically oriented questions, collect evidence, form explanations, connect explanations to scientific knowledge and theory, and communicate and justify explanations.
- Raise questions about the world.
- Describe observations.
- Develop skills for information gathering and problem solving.

Science and Society

The learner will:
- Understand the development of scientific ideas that are essential for building scientific knowledge.
- Learn that people from many cultures have contributed to our understanding of science.

Mathematical Applications

The learner will:
- Learn that mathematics is a tool used to model objects, events, and relationships in the natural and designed world.

Nature and Process of Technology

The learner will:

- Understand that the development of technology and advances in science are mutually supportive in driving innovation in both fields.
- Recognize that physical constraints and social values play a role in limiting the use of technology to solve problems.

Health & Science Connection

The learner will:

- Describe basic functions of the major systems of the human body.

Characteristics of Life – Monarch Butterflies, Plants, Insects

The learner will:

- Observe the life cycle of a butterfly.
- Name and describe what occurs in the different stages of the butterfly life cycle.
- Understand the needs of living things.
- Understand and develop a simple classification system for organisms.
- Understand and experiment with the life cycle and function of various organisms in the food chain.
- Identify roles that organisms have in a food chain.
- Differentiate between needs of plants and animals.

Astronomy and the Solar System

The learner will:

- Describe the structure of the universe and articulate how the components interact to form a system.
- Describe patterns of movement of the Sun, Earth, and Moon.
- Identify characteristics of planets.

Inventions and Scientists

The learner will:

- Describe how people have made and continue to make contributions to science and technology.
- Technology evolves at a fast pace and is influenced by our cultural, political and environmental values.

Pebbles, Sand and Silt

The learner will:

- Explore places where earth materials are found and ways in which they are used in people's daily life.

SOCIAL STUDIES

Citizenship

The learner will:

- Develop and understand decision-making, problem solving, listening, speaking and group interaction skills.
- Develop an awareness of current events.
- Develop rules that allow them to be an outstanding citizen within the school environment.
- Role of being a model citizen in U.S.A.

Geography

The learner will:

- Recognize and label continents and major bodies of water.
- Use a map key to interpret information.
- Use latitude and longitude to locate places.
- Compute distance using a map scale.
- Identify different landforms that make up New Jersey.

History

The learner will:

- Explain how historians use primary and secondary resources to learn about the past.
- Explain reasons for the exploration of the New World.
- Study their home state of New Jersey.
- Explore holidays and customs of different cultures.
- Research famous Americans and how their contributions made a difference in our lives today.