What students will learn by the end of

FIFTH 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 5 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:
- Recognize compound words, contractions, and common abbreviations.
- 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.
- Select useful visual organizers before, during, and after reading to organize information (e.g., Venn diagrams).
- Infer word meanings from learned roots, prefixes, and suffixes and context clues.
- Identify and correctly use antonyms, synonyms, homophones, and homographs.
- Preview and set a purpose for reading.
- Identify main idea, details and sequence of events.
- Compare and contrast and distinguish between facts and opinions to enhance comprehension.
- Make valid inferences based on background knowledge and details provided in text.
- Identify the author's purpose of the written text.

Writing
The learner will:
- Write for a variety of purposes: to entertain, persuade, inform, demonstrate knowledge, answer questions, respond to literature, acquire knowledge (e.g., take notes, synthesize information).
- 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).

Writing Process

The learner will:
- Revisit pictures, organizers and writing to add detail.
- Use a rubric or checklist to self-improve writing.
- Examine real-world examples of writing in various genres to gain understanding of how authors communicate ideas through form, structure, and author's voice.
- Use figurative language (similes, metaphors, alliteration, exaggeration, idioms, personification, etc.) in their writings.
- Self-edit work for spelling, mechanics, clarity and fluency.

Speaking

The learner will:
- Use varied word choice in order to clarify, illustrate, or elaborate a point.
- Use appropriate strategies to prepare, rehearse, and deliver an oral presentation.
- Speak for a variety of audiences.
- Use notes or other memory aids to help structure a presentation.
- Incorporate proper volume, pacing, and enunciation in oral presentation based on a central idea.
- Develop and deliver a formal well-organized presentation based on a central idea including introduction, main and supporting ideas, and a conclusion.
- Understand and evaluate the guidelines of a rubric, as well as teacher and peer feedback to improve presentation skills.

Listening

The learner will:
- Listen to determine a speaker's purpose, attitude, mood and perspective.
- Recognize the rich and varied language of literature (poetry, song, classics, persuasive pieces, etc.)
- Make predictions, inferences and connect with prior knowledge on text read aloud.
- Develop listening strategies such as note taking or graphic organizers to retain information heard.
- Follow 3 to 4 oral step instructions.

- Evaluate oral presentations through rubrics, based on content and delivery.

Viewing
The learner will:
- Choose an appropriate media (technology) for a presentation.
- Respond to, and evaluate, the use of illustrations to support text.
- Predict the effectiveness of an illustrator's visual message with an author's verbal message.

Mathematics

Number and Numeration
The learner will:
- Read and write whole numbers up to one trillion.
- Identify place value and a digit in a given number.
- Understand equivalent names for numbers.
- Compare and order numbers up to one trillion and decimals through thousandths.
- Read, write and model fractions.
- Compare fractions, decimals, and percents.
- Find multiples of numbers greater than 10.

Operations and Computation
The learner will:
- 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, decimal or percent.

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 and perimeter of polygons.
- Identify one or more lines of symmetry.
- Use geometric shapes to form patterns.

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 number stories using variables.

SCIENCE

Scientific Process
The learner will:
- Raise questions about the world.
- Describe observations.

- Develop skills for information gathering and problem solving.

Science and Society
The learner will:
- Describe 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.

Mixtures and Solutions
The learner will:
- Identify the characteristics of mixtures and solutions.
- Work with materials to create mixtures and solutions.
- Observe and create chemical reactions.
- Use the scientific method to explore experiments.

Models and Designs
The learner will:
- Design and construct conceptual and physical models.
- Apply mathematics in the context of science.
- Acquire some vocabulary associated with engineering and technology.
- Explain and understand that there is often more than one solution to a problem.

Energy
The learner will:
- Identify the difference between renewable and nonrenewable energy sources.

- Explain how energy is created both naturally and by machines.
- Explain how energy consumption affects the environment and the world.
- Compare the efficiency of various types of energy production.

Natural Disasters
The learner will:
- Identify the different types of natural disasters.
- Explain the causes and effects of natural disasters.
- Explore the regions of the world where certain disasters happen more frequently.

SOCIAL STUDIES

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.
- Recognize important European explorers.
- Explain the similarities and differences between ancient cultures.
- Explore life in colonial America.
- Describe the events of the Revolutionary War.
- Explore holidays and customs of different cultures.

Citizenship
The learner will:
- Develop and understand decision-making, problem solving, listening, and speaking and group interaction skills.
- Develop an awareness of current events.

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.
- Recognize and label the 50 states.
- Recognize and label countries on all continents.