



What students will learn by the end of

SECOND 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 Second Grade 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. 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 knowledge of letters, sounds to read words.
- Recognize punctuation as appropriate end points.
- Use appropriate inflection and pacing.
- Apply comprehension skills.
- Increase sight word recognition.
- Describe and utilize antonyms, synonyms and homonyms.
- Place words in alphabetical order.
- Distinguish between different types of genres.
- Read with fluency.
- Recall facts and details of text.
- Recognize cause and effect and make inferences.
- Identify plot, characters, setting, and climax of story.

Writing

The learner will:

- Create written texts for others to read.
- Write complete sentences.
- Compose a paragraph containing the main idea.
- Produce different types of writing.
- Use words (first, next, then, last) to put ideas in sequential order.
- Edit writing for punctuation, spelling and capitalization.
- Revise writing for organization and word choices.

Speaking

The learner will:

- Ask questions on a given topic.
- Express ideas clearly at an appropriate pace.
- Use new vocabulary in speech.
- Adjust volume and tone to setting and audience.

Listening

The learner will:

- Listen to a discussion and/or story and contribute ideas.

- Distinguish between different types of speech (jokes, conversation, warning, etc.)
- Increase attention span appropriate to grade level.
- Follow one and two-step directions.

Viewing

The learner will:

- View and understand the characters, events and settings in books, film and television.
- Respond to pictures and illustrations.

MATHEMATICS

Number and Numeration

The learner will:

- Count on and back by 1's, 2's, 5's, 10's, and 25's, to and from 1,000 using number line, grid, and calculator.
- Make reasonable estimates and predictions about data to be collected.
- Identify place value in 2, 3, 4, and 5 digit numbers.
- Read, write and show whole numbers to 1,000.
- Construct fact families for addition and subtraction.
- Read, write, count and compare money using dollar and cents notation.
- Use tally marks, arrays and pictures to count.
- Know basic addition and subtraction facts to 20.
- Add and subtract 2 digit numbers using number line, grid, tally marks, mental arithmetic, paper and pencil and calculators.
- Recognize odd and even numbers.
- Name and write fractions to show $\frac{1}{2}$, $\frac{1}{3}$, and $\frac{1}{4}$.
- Use $<$, $>$, $=$ to compare numbers.
- Use repeated addition and skip counting to explore multiplication.
- Use equal sharing and equal grouping to model division.

Geometry and Measurement

The learner will:

- Draw line segments.

- Identify and create the line of symmetry in 2D shapes.
- Identify cylinder, cone, sphere, pyramid, and rectangular prism.
- Use standard and non-standard tools to measure length, weight, height and capacity.
- Develop skills involving perimeter, area, and volume.
- Estimate and solve problems about length, weight, capacity, time, and temperature.
- Demonstrate calendar skills.
- Read temperature in Fahrenheit and Celsius.

Patterns, Functions and Algebra

The learner will:

- Create, identify and describe numeric and symbol patterns.
- Define odd and even numbers.
- Solve number grid problems.
- Read and create tables to represent information.
- Utilize and use information in a table.
- Identify the missing digits in a table.
- Apply turn around fact for addition (commutative property).

Data and Chance

The learner will:

- Collect and record data.
- Use graphs, charts, or diagrams to represent data.
- Read, compare and recognize changes over time on a graph or table.
- Find the maximum, minimum and median of a group of data.
- Sort and classify objects.
- Determine the probability of a game result.
- Determine the probability of a counting situation.

Mathematical Processes

The learner will:

- Use problem-solving skills on different types of problems.
- Read, write, and discuss math.
- Tell time, use money and metric measurement.
- Check work and explain mathematical thinking.
- Use manipulative to represent mathematical thinking.

- Use computers and calculators to gather, analyze and communicate mathematical thinking.

SCIENCE

Scientific Process

The learner will:

- Investigate and inquire about the world around them.
- Apply problem-solving skills.
- Gather information.
- Understand how people around the world have made advances in science.
- Use math skills in scientific experiments.
- Select and use simple tools to complete a task.
- Create a plan to solve a problem.

Plants, Animals, Dinosaurs, Insects

The learner will:

- Understand the basic needs of humans and other living things.
- Compare and contrast living things to non-living things.
- Recognize different types of plants and animals.
- Identify animals that have become extinct.
- Understand that animal and human babies resemble their parents.
- Describe how animals adapt.

Chemistry

The learner will:

- Sort objects according to what they look like.
- Use magnifying glasses to look at things and then draw what is seen.
- Observe that water can be a liquid and a solid.

Force and Motion

The learner will:

- Identify the different ways things can move.
- Show that you can change the position and motion of an object by pushing and pulling it.
- Demonstrate that vibrating objects make sound.

Rocks and Soil, Air and Weather

The learner will:

- Observe rocks and soil.
- Identify what water is and where it can be found.
- Explain that water can change forms.
- Describe the weather outside and explain how weather affects our lives.
- Identify seasonal changes.
- Observe and record their environment.

Sun and Moon

The learner will:

- Recognize that the sun lights and heats the Earth.
- Understand the difference between day and night.
- Recognize that the sun can only be seen during the day but the moon can be seen at night and sometimes during the day.
- Observe that there are many stars scattered throughout the sky.
- Understand that stars never change their position in relation to each other.

Earth Day

The learner will:

- Understand how living things get their basic needs from their environment.

SOCIAL STUDIES

Social Studies Skills

The learner will:

- Explain the concepts of long ago and far away.
- Apply terms related to time such as, past, present and future.
- Identify sources of information.
- Retell events or stories with accuracy and appropriate sequencing.
- Develop simple time lines.

Civics

The learner will:

- Explain the need for rules, laws, and government.
- Describe how American citizens can participate in community life and politics.

- Explain what being “fair” means.
- Identify American symbols (American flag, the Statue of Liberty).
- Identify members of authority, community and government leaders (Mayors, President).
- Identify school rules.
- Recognize “good” characters from literature.
- Understand that America has people living here with many different cultures.
- Participate in celebrations and activities from various cultures.
- Recognize daily change.
- Describe their family history through two generations.
- Compare family life today to the past.
- Tell about their family heritage and traditions.
- Identify the basic goods and services a family needs for everyday life.
- Explain how the products individuals eat, wear, and use, impact their health and safety and the environment.
- Identify various jobs and explain how workers in these jobs receive income for their work.

Geography

The learner will:

- Know the location of their home, school, neighborhood, community, state, and country.
- Identify the location of continents and oceans.
- Explain what a globe is and demonstrate basic globe and map skills.
- Recognize how the sun affects the weather on Earth.
- Identify types of transportation.
- Describe how air, land, water, and plants help us every day.
- Describe how weather impacts our daily lives.
- Identify why recycling is important.