SCIENCE

New York State Standards

The central purpose to scientific inquiry is to develop explanations of natural phenomena in a continuing creative process. Students will not only learn scientific facts, but will also learn how to ask questions and to emphasize the skills and strategies that are needed to explore, investigate and analyze our changing world.

Garden City students will develop an understanding of these concepts through the study of:

- Living Environment –heredity, plant growth and development, major stages in the life cycle of select plant and animals
- Physical Setting – matter, electric circuits, magnetism, simple machines, physical properties and their attributes, chemical and physical changes

SOCIAL STUDIES

New York State Standards

Students will use a variety of intellectual skills to study:

- History of the United States and New York
- World History
- Geography
- Economics
- Civics, Citizenship, and Government

Garden City students will develop an understanding of these skills during the study of:

- Native Americans
- European exploration of New York
- Colonization of New Netherlands
- The American Revolution
- Industrial growth and expansion
- Immigration
- New York State government

BOARD OF EDUCATION

DISTRICT MISSION STATEMENT

The Garden City School District seeks to create an environment for learning which enables each student the opportunity to grow as an individual as well as a group member while striving to achieve the optimal level of academic, social and personal success. Students will thrive in a learning environment that is developmentally appropriate, individualized and challenging. Our goal and responsibility is to help each student develop an enthusiasm for learning, a respect for self and others, and the skills to become a creative independent thinker and problem solver.

ADMINISTRATION

Dr. Kusum Sinha
Superintendent of Schools

Dr. Edward Cannone
Assistant Superintendent for Curriculum and Instruction

Miss Linda Norton
Principal: Stewart School

Mrs. Eileen Vota
Principal: Stratford School

Garden City School District
56 Cathedral Avenue, Garden City NY 11530

Garden City Public Schools

Inspiring Minds
Empowering Achievement

Grade 4

Building Community

Elementary School Curriculum

Dear Parents:

The Garden City School District values its communication and partnership with all members of our school family. This brochure was developed to provide parents with an overview of the fourth grade curriculum and the skills students will acquire in English language arts, mathematics, social studies and science. We hope you find this parent curriculum guide informative and useful as we work cooperatively to insure students' academic success. Best wishes for a successful and rewarding school year.

Sincerely,

Edward Cannone, Ed.D.
Assistant Superintendent for
Curriculum and Instruction

ENGLISH LANGUAGE ARTS

New York State Common Core Learning Standards
Students will read, write, listen and speak for:
- Information and understanding
- Literacy response and expression
- Critical analysis
- Social interaction

Garden City students will be able to:
- Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.
- Determine a theme of a story, drama, or poem from details in the text & summarize the text.
- Explain differences between poems, drama, & prose.
- Compare & contrast the point of view from which different stories are narrated, including the difference between first & third person narration.
- Recognize, interpret & make connections in narratives, poetry & drama to other texts, ideas, personal events & situations.

- Integrate information from two texts on the same topic in order to write or speak about the subject knowledgeably.
- Write opinion pieces on topics or texts, supporting a point of view with reasons and information.
- Write informative/explanatory texts to examine a topic and convey ideas and information clearly.
- Develop the topic with facts, definitions, concrete details, quotations, or other information & examples related to the topic.
- Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.
- Conduct short research projects that build knowledge through investigation of different aspects of a topic.
- Recall information from experiences or gather relevant information from print and digital sources; take notes and categorize information, and provide a list of sources.
- Paraphrase portions of a text read aloud or information presented in diverse media & other formats including visually, quantitatively, and orally.

MATHEMATICS

New York State Common Core Learning Standards
Students will develop an understanding of mathematics and its processes through a study of five content domains. Students will apply technological knowledge and skills to support their learning and decision-making.

Garden City students will be able to:
Operations & Algebraic Thinking
- Multiply or divide to solve word problems involving multiplicative comparison by using drawings and equations with a symbol for the unknown number.
- Solve multistep word problems using the four operations, including problems in which remainders must be interpreted.
- Find all factor pairs for a whole number in the range 1-100.

- Generate a number or shape pattern that follows a given rule.

Number & Operations in Base Ten
- Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.
- Use place value understanding to round multi-digit whole numbers to any place
- Fluently add & subtract multi-digit whole numbers.

Number & Operations - Fractions
- Explain why a fraction a/b is equivalent to a fraction $(n \times a)/(n \times b)$.
- Compare two fractions with different numerators & different denominators by creating common denominators or numerators.
- Understand addition & subtraction of fractions as joining & separating parts referring to the same whole.
- Add and subtract mixed numbers with like denominators.
- Understand decimal notation for fractions and compare.

Measurement & Data
- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
- Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, & problems that require expressing measurements given in a larger unit in terms of a smaller unit.
- Apply the area & perimeter formulas for rectangles in real world & mathematical problems.
- Make a line plot to display a data set of measurements (1/2, ¼, 1/8).

Geometry
- Draw points, lines, line segments, rays and angles (right, acute, obtuse, perpendicular and parallel lines).

- Recognize a line of symmetry for a two-dimensional figure.