

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 – compare living and non-living things, genetics, reproduction,
- Physical Setting – observe earth and celestial phenomena, describe matter and energy & their interaction through forces and changes in motion, weather

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:

- Citizenship- roles, rights, history, responsibility
- Economics- the correlation of our natural resources to our economic history
- Geography- state, nation, general map skills, earth's continents, topographical features of North America

BOARD OF EDUCATION

Angela Heineman
President

Tom Pinou
Vice President

William Holub – *Trustee*

Stefanie Granville – *Trustee*

Michael Cassaro - *Trustee*

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

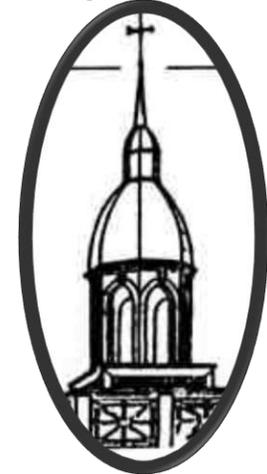
Garden City School District
56 Cathedral Avenue, Garden City NY 11530

Garden City Public Schools

**Inspiring Minds
Empowering Achievement**

Grade 5

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 fifth 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:

- Describe how a narrator's or speaker's point of view influences how events are described.
- Analyze multiple accounts of the same event or topic, noting important similarities and differences in the point of view they represent.
- Explain how an author uses reasons and evidence to support particular points in a text, identifying which reasons and evidence support which points(s).
- Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably.
- Know and apply grade-level phonics and word analysis skills in decoding words.
- Create and present a poem, narrative, play, art work, or personal response to a particular author or themes.

- Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.
- Gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources.
- Summarize a written text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.
- Summarize the points a speaker makes and explain how each claim is supported by reasons and evidence.
- Adapt speech to a variety of contexts and tasks, using formal English when appropriate to task and situation.
- Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- Demonstrate command of the conventions of Standard English capitalization, punctuation, and spelling when writing.
- Identify author's use of figurative language

MATHEMATICS

New York State Common Core Learning Standards

Students will develop an understanding of mathematics & its processes through a study of five content domains. Students will apply technological knowledge and skills to support their learning & decision-making.

Garden City students will be able to:

Operations & Algebraic Thinking

- Use parentheses in numerical expressions & evaluate expressions with these symbols.
- Write expressions that record calculations with numbers & interpret numerical expressions without evaluating them.
- Generate two numerical patterns using two given rules. Identify apparent relationships between corresponding terms.

Number & Operations in Base Ten

- Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right

and 1/10 of what it represents in the place to its left.

- Explain patterns in the number of zeros of the product when multiplying a number by powers of 10 & explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10.
- Read, write & compare decimals to thousandths.
- Fluently multiply multi-digit whole numbers using the standard algorithm.

Number & Operations - Fractions

- Add and subtract fractions with unlike denominators (including mixed numbers).
- Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction.
- Solve real world problems involving multiplication of fractions and mixed numbers by using visual fraction models or equations to represent the problem.
- Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.

Measurement & Data

- Convert among different-sized standard measurement units within a given measurement system.
- Make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Use operations on fractions to solve problems involving information presented in line plots.
- Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units.

Geometry

- Graph points on the coordinate plane to solve real-world and mathematical problems.
- Classify two-dimensional figures into categories based on their properties.
- Understand that attributes belonging to a category of two dimensional figures also belong to all subcategories of that category.
- Classify two-dimensional figures in a hierarchy based on properties.