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 – how plants live and grow, and how animals grow and change
- Physical Setting – forces, machines and work, changes in the earth's surface, clouds & storms, materials of the earth and sound

Students will develop skills in observation, measurement, classification, recording prediction and experimentation

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:

- Cultures and civilizations
- Social, political, geographic, economic and historical characteristics
- How citizens meet challenges of basic needs and wants
- How governments plan, organize, develop and change rules and laws

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
Building Community

Grade 3

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 third 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

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:

- Recount stories, including fables, folktales, and myths from diverse cultures; determine the central message, lesson, or moral and explain how it is conveyed through key details in the text.
- Describe characters in a story & explain how their actions contribute to the sequence of events.
- Refer to parts of stories, dramas, and poems when writing or speaking about a text, using terms such as *chapter, scene,* and *stanza.*
- Distinguish their own point of view from that of the narrator or those of the characters.
- Compare & contrast the themes, settings, and plots of stories written by the same author about the same or similar characters.
- Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.
- Use text features & search tools to locate information relevant to a given topic efficiently.
- Distinguish their own point of view from that of the author of a text.
- Know and apply grade-level phonics and word analysis skills in decoding words.
- Write opinion pieces on topics or texts, supporting a point of view with reasons.
- Write informative/explanatory texts to examine a topic and convey ideas and information clearly.
- Write narratives to develop real or imagined experiences or events using effective technique, descriptive detail, and clear event sequences.
- With guidance and support, develop and strengthen writing as needed by planning, revising, and editing.
- Conduct short research projects that build knowledge about a topic.
- 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.
- Determine the meaning of unknown and multiple-meaning words and phrases.

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 and Algebraic Thinking

- Use multiplication and division within 100 to solve word problems involving equal groups, arrays and measurement qualities
- Determine the unknown whole number in a multiplication or division equation relating three whole numbers.
- Understand division as an unknown-factor problem.
- Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division or properties of operations.
- By the end of Grade 3, know from memory all products of two one-digit numbers.
- Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity.

Number & Operations in Base Ten

- Use place value understanding to round whole numbers to the nearest 10 or 100.
- Fluently add & subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition & subtraction.
- Multiply one-digit whole numbers by multiples of 10 in the range 10-90.

Number & Operations - Fractions

- Understand a fraction 1/*b* as the quantity formed by 1 part when a whole is partitioned into *b equal parts*.
- Represent a fraction *a/b* on a number line diagram by marking off a lengths 1/*b* from zero.
- Explain equivalence of fraction and compare fractions by reasoning about their size.

Measurement & Data

- Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.
- Tell and write time to the nearest minute & measure time intervals in minutes.
- Measure & estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l).
- Draw a scaled picture graph & a scaled bar graph to represent a data set with several categories.
- Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch.
- Solve real world & mathematical problems involving perimeters of polygons.

Geometry

- Understand that shapes in different categories may share attributes.
- Partition shapes into parts with equal areas.