Department: Science
Course Name: First Grade Science

Course Description:
The first grade science program encourages students to become actively engaged in the discovery process by collecting data, analyzing evidence, drawing conclusions, and solving problems. Experiences provide students with opportunities to work both independently and collaboratively, and to interact with the natural world in order to construct explanations about their world. The science curriculum includes units devoted to plants, animals, sky, weather, natural resources, caring for the earth, matter, magnets, and motion. The science curriculum is integrated into the reading program.

Content:
Plants
Animals
Caring for Earth
Space
Matter
Motion
Water

Skills:
Demonstrate curiosity, initiative, and creativity by questioning observations of changes in the environment
Use scientific instruments and everyday materials to investigate the natural world
Use safe and proper techniques for handling, manipulating, and caring for science materials
Collect, record, compare, and organize information using a variety of classification systems
Apply knowledge, understanding and skills of science subject matter/concepts to daily life experiences
Listen to other's ideas, and engage in scientific dialogs
Observe, compare, and analyze living and non-living things
Use simple graphs, pictures, and written statements
Increase student's understanding of the interdependence of plants and animals, and earth and space systems
Predict outcomes and problem solve based on actual observations and evidence
Develop a range of scientific investigations, reasoning, and logic skills

Text and Materials:
Exploring Science All Around Us (Five Ponds Press, 2015)
Mystery Science
School Garden
Videos
Scholastic News
BrainPOP Jr.
Zoom
Nearpod
Raz Kids
Flipgrid
Seesaw
Formative
iPads/Apps
Picture books

Methods of Instruction:
Individual, partner, small group, whole group instruction
Teacher directed/self-directed
Technology
Collaborative projects/integrated projects
Discussions
Experiments
Enrichment Classes

Methods of Evaluations:
Individual assessment
Projects
Oral responses
Discussions
Rubrics
Tests