



Mathematics, Science, and Technology

Standard 1: Analysis, Inquiry, and Design

Students will use mathematical analysis, scientific inquiry, and engineering design, as appropriate, to pose questions, seek answers, and develop solutions.

Standard 2: Information Systems

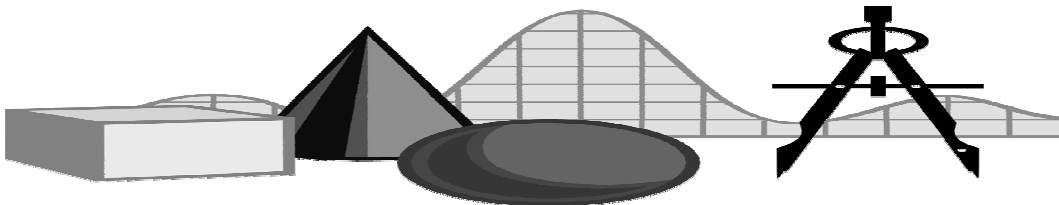
Students will access, generate, process, and transfer information using appropriate technologies.

Standard 3: Mathematics

Students will understand mathematics and become mathematically confident by communicating and reasoning mathematically by applying mathematics in real-world settings, and by solving problems through the integrated study of number systems, geometry, algebra, data analysis, probability, and trigonometry.

Standard 4: Science

Students will understand and apply scientific concepts, principles, and theories pertaining to the physical setting and living environment and recognize the historical development of ideas in science.



Standard 5: Technology

Students will apply technological knowledge and skills to design, construct, use, and evaluate products and systems to satisfy human and environmental needs.

Standard 6: Interconnectedness: Common Themes

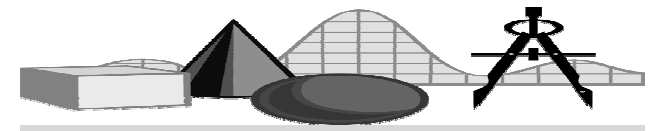
Students will understand the relationships and common themes that connect mathematics, science, and technology and apply the themes to these and other areas of learning.

Standard 7: Interdisciplinary Problem Solving

Students will apply the knowledge and thinking skills of mathematics, science, and technology to address real-life

KINDERGARTEN

Standard #4 of the New York State Learning Standards for Mathematics, Science and Technology states that “Students will understand and apply scientific concepts, principles and theories pertaining to the physical setting and the living environment and recognize the historical development of ideas in science.”



THE LIVING ENVIRONMENT

Kindergarten students will learn that:

1. PLANTS AND ANIMALS LIVE AND THRIVE WHEN THEIR NEEDS ARE MET.

They will:

- identify properties that enable plants and animals, including humans, to meet their needs
- discover that the properties of plants and animals vary from one kind to another and from one individual to another
- describe and identify parts of plants and animals
- experience the environment through the senses – see, hear, smell, taste, touch
- identify stages of plant and animal development
- recognize seasonal changes of plants
- understand that by providing favorable conditions for plants, humans can increase the amount of food produced.

2. PLANTS AND ANIMALS ARE DEPENDENT ON OTHER PLANTS AND ANIMALS

They will:

- explore where plants and animals live
- identify animals we keep as pets
- recognize that animals depend on plants