

At the end of the school year, students will be able to...

GOAL 11 Inquiry

(Integrated into the whole year) Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments and solve problems.

STANDARD A

Know and apply the concepts, principles and processes of scientific inquiry.

- ___ Uses senses to explore and observe materials and natural phenomena.
- ___ Collect, describe and record information.

STANDARD B

Know and apply the concepts, principles and processes of technological design.

- ___ Use scientific tools such as thermometers, balance scales and magnifying glasses for investigation
- ___ Become familiar with the use of devices incorporating technology.

GOAL 12 Concepts

Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.

STANDARD A

Know and apply concepts that explain how living things function, adapt and change.

- ___ Investigate and categorize living things in the environment.
- ___ Show an awareness of changes that occur in themselves and their environment.

STANDARD B

Know and apply concepts that describe how living things interact with each other and with their environment.

- ___ Describe and compare basic needs of living things.

STANDARD C

Know and apply concepts that describe properties of matter and energy and the interactions between them.

- ___ Make comparisons among objects that have been observed.

STANDARD D

Know and apply concepts that describe force and motion and the principles that explain them.

- ___ Describe the effects of forces in nature (e.g., wind, gravity and magnetism).

STANDARD E

Know and apply concepts that describe the features and processes of the Earth and its resources.

- ___ Use common weather-related vocabulary (e.g. rainy, snowy, sunny, windy).
- ___ Participate in recycling their environment.

STANDARD F

Know and apply concepts that explain the composition and structure of the universe and the Earth's place in it.

- ___ Identify basic concepts associated with night/day and seasons.

GOAL 13 Human Body

Understand the relationships among science, technology and society in historical and contemporary contexts.

STANDARD A

Know and apply the accepted concepts of science.

- ___ Begin to understand basic safety practices.

STANDARD B

Know and apply the concepts that describe the interaction between science, technology and society

- ___ Express wonder and ask questions about their world.
- ___ Begin to be aware of technology and how it affects their lives.