

**Georgia Performance Standards
Paper in our World**

2nd Grade

The Nature of Science

S2CS6

Students will be familiar with the character of scientific knowledge and how it is achieved.

S2CS7

Students will understand important features of the process of scientific inquiry.

Physical Science

S2P1

Students will investigate the properties of matter and changes that occur in objects.

Life Science

S2L1

Students will investigate the life cycles of different living organisms.

3rd Grade

The Nature of Science

S3CS7

Students will be familiar with the character of scientific knowledge and how it is achieved.

S3CS8

Students will understand important features of the process of scientific inquiry.

Life Science

S3L1

Students will investigate the habitats of different organisms and the dependence of organisms on their habitat.

S3L2

Students will recognize the effects of pollution and humans on the environment.

- a. Explain the effects of pollution to the habitats of plants and animals.
- b. Identify ways to protect the environment
 - Conservation of resources
 - Recycling of materials

4th Grade

The Nature of Science

S4CS7

Students will be familiar with the character of scientific knowledge and how it is achieved.

S4CS8

Students will understand important features of the process of scientific inquiry.

Life Science

S4L1

Students will describe the roles of organisms and the flow of energy within an ecosystem

- c. Predict effects on a population if some of the plants or animals in the community are scarce or if there are too many.

5th Grade

The Nature of Science

S5CS7

Students will be familiar with the character of scientific knowledge and how it is achieved.

S5CS8

Students will understand important features of the process of scientific inquiry.

Earth Science

S5E1

Students will identify surface features of the Earth caused by constructive and destructive processes.

6th Grade

Habits of Mind

S6CS1

Students will explore the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S6CS5

Students will use the ideas of system, model, change, and scale in exploring scientific and technological matters.

S6CS7

Students will question scientific claims and arguments effectively.

The Nature of Science

S6CS8

Students will investigate the characteristic of scientific knowledge and how it is achieved.

S6CS9

Students will investigate the features of the process of scientific inquiry.

Earth Science

S6E3

Students will recognize the significant role of water in earth processes.

S6E4

Students will understand how the distribution of land and oceans affects climate and weather.

S6E5

Students will investigate the scientific view of how the earth's surface is formed.

- f. Explain the effects of physical processes on geological features including oceans
- i. Explain the effects of human activity on the erosion of the earth's surface.
- j. Describe methods for conserving natural resources such as water, soil, and air.

Social Studies

SS6G2

Students will discuss environmental issues in Latin America.

- a. Explain the major environmental concerns of Latin America regarding the issues of air pollution in Mexico City, Mexico, the destruction of the rain forest in Brazil, and oil-related pollution in Venezuela.

SS6G7

Students will discuss environmental issues in Canada.

- a. Explain the major environmental concerns of Canada regarding acid rain and pollution of the Great Lakes, the extraction and use of natural resources on the Canadian Shield and timber resources.

SS6G9

Students will discuss environmental issues in Europe.

- a. Explain the major concerns of Europeans regarding the issues such as acid rain in Germany, air pollution in the United Kingdom, and the nuclear disaster in Chernobyl, Ukraine.

7th Grade

The Nature of Science

S7CS8

Students will investigate the characteristic of scientific knowledge and how that knowledge is achieved.

S7CS9

Students will investigate the features of the process of scientific inquiry.

- a. Investigations are conducted for different reasons, which include exploring new phenomena, confirming previous results, testing how well a theory predicts, and comparing competing theories.
- b. Scientific investigations usually involve collecting evidence, reasoning, devising, hypotheses, and formulating explanations to make sense of collected evidence.
- c. Scientific experiments investigate the effect of one variable on another. All other variables are kept constant.
- d. Scientists often collaborate to design research.

S7L4

Students will examine the dependence of organisms on one another and their environments

- c. Recognize that changes in environmental conditions can affect the survival of both individuals and entire species.

Social Studies

SS7G2

Students will discuss environmental issues across the continent of Africa.

- a. Explain how water pollution and the unequal distribution of water impacts irrigation, trade, industry, and drinking water.
- b. Explain the relationship between poor soil and deforestation in Sub-Saharan Africa.
- c. Explain the desertification on the environment of Africa from the Sahel to the rainforest.

SS7G6

Students will discuss environmental issues across Southwest Asia (Middle East).

- a. Explain how water pollution and the unequal distribution of water impacts irrigation and drinking water.

SS 7G10

Students will discuss environmental issues across Southern and Eastern Asia.

- a. Describe the causes and effects of pollution on the Yangtze and Ganges Rivers.
- b. Describe the causes and effects of air pollution and flooding in India and China.

8th Grade

Habits of Mind

S8CS1

Students will explore the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S8CS7

Students will questions scientific claims and arguments effectively.

High School

World Geography

SSWG6

The student will describe the interaction of physical and human systems that have shaped contemporary Europe.

- g. Analyze the environmental issues associated with industrial and natural resource development in Europe, including Russia.

SSWG8

The student will describe the interaction of physical and human systems that have shaped contemporary Canada and the United States.

- f. Analyze how transportation and communications improvements led to the growth of industry in the United States and the consequences of such growth, especially environmentally, for both Canada and the United States.

World History

SSWH21

The student will analyze globalization in the contemporary world.

- c. Explain how governments cooperate through treaties and organizations, to minimize the negative effects of human actions on the environment.

Grades K -12

Visual Arts

This four program covers all five domains of the Georgia Performance Standards for Visual Arts for Grades K -12 : Meaning and Creative Thinking (MC) , Contextual Understanding (CU), Production(PR), Assessment and Reflection(AR), Connections(C).