

EARLY CHILDHOOD**SCIENCE**

Goal 11: Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments, and solve problems.

Learning Standard A	Learning Standard B
Know and apply the concepts, principals and processes of scientific inquiry.	Know and apply the concepts, principles and processes of technological design.
11.A.ECa. Uses senses to explore and observe materials and natural phenomena. 11.A.Ecb. Collect, describe and record information.	11.B.ECa. Use scientific tools such as thermometers, balance scales and magnifying glasses for investigation. 11.B.Ecb. Become familiar with the use of devices incorporating technology.

Goal 12: Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences.

Learning Standard A	Learning Standard B	Learning Standard C	Learning Standard D	Learning Standard E	Learning Standard F
Know and apply concepts that explain how living things function, adapt and change.	Know and apply concepts that describe how living things interact with each other and with their environment.	Know and apply concepts that describe properties of matter and energy and the interactions between them.	Know and apply concepts that describe force and motion and the principles that explain them.	Know and apply the concepts that describe the features and processes of the Earth and its resources.	Know and apply concepts that explain the composition and structure of the universe and the Earth's place in it.
12.A.ECa. Investigate and categorize living things in the environment. 12.A.Ecb. Show an awareness of changes that occur in themselves and their environment.	12.B.EC. Describe and compare basic needs of living things.	12.C.EC. Make comparisons among objects that have been observed.	12.D.EC. Describe the effect of forces in nature (e.g. wind, gravity and magnetism).	12.E.ECa. Use common weather-related vocabulary (e.g. rainy, snowy, sunny, windy). 12.E.Ecb. Participate in recycling in their environment.	12.F.EC. Identify basic concepts associated with night/day and seasons.

Goal 13: Understand connections and relationships among science, technology and society in historical and contemporary contexts.

Learning Standard A	Learning Standard B
Know and apply the accepted practices of science.	Know and apply concepts that describe the interaction between science, technology and society.
13.A.EC. Begin to understand basic safety practices.	13.B.ECa. Express wonder and ask questions about their world. 13.B.Ecb. Begin to be aware of technology and how it affects their lives.