

**GRADE 1**  
**DISTRICT 742 COMMUNITY SCHOOLS**  
**SCIENCE PROGRAM GOALS**

**STANDARD ONE: CONCEPTS IN BIOLOGY**

Understand concepts, theories and principles of biology through investigation and analysis.

**GOAL 1: Primary/Grades Pre-K-3:**

**Directly experience the basic needs of organisms.**

- A. Compare properties of different kinds of plants.
- B. Observe and communicate changes in plant growth and development.
- C. Identify the basic parts of plants: roots, flowers, stems, leaves and seeds.

**STANDARD TWO: CONCEPTS IN CHEMISTRY**

Understand concepts, theories and principles of chemistry through investigation and analysis.

**GOAL 1: Primary/Grades Pre-K-3:**

**Directly experience solids and liquids.**

- A. Describe and observe properties of solids and liquids and their interactions.

**STANDARD THREE: EARTH AND SPACE SYSTEMS**

Understand concepts, theories and principles of earth and space systems through investigation and analysis.

**GOAL 1: Primary/Grades Pre-K-3:**

**Participate in direct experiences with properties of objects, patterns and cycles.**

- A. Observe and record the properties of soil.
- B. Classify rocks using single properties.

## **STANDARD FIVE: ENVIRONMENTAL SYSTEMS**

Apply scientific methods to issues involving relationships among the individual, the society, the economy and the environment.

### **GOAL 1: Primary/Grades Pre-K-3:**

**Observe how the personal use of materials, energy and water impacts the environment.**

- A. Observe, communicate and compare the effects of human behavior on plant development under various environmental conditions.

### **GOAL 2: Primary/Grades Pre-K-3:**

**Observe responses of organisms to changes in the environment.**

- A. Observe, record and compare various plants at different times of the year.