

# **SCIENCE OUTCOMES**

## **KINDERGARTEN**

### **ABILITIES.**

- 1. Apply science to life (apply the following to each outcome).**
  - A. Use knowledge of science to develop abilities.
    1. **Higher thinking** (analyze, solve, decide, evaluate, classify, develop, create, predict, estimate, generalize).
    2. **Communications** (present, persuade, demonstrate, explain, defend, consider, deduce, recommend, share).
    3. **Goal setting and attainment** (research, envision, brainstorm, plan, organize, conduct, persist).
    4. **Experience** (collaborate, ethics, relate, summarize, record, interpret, compare, simplify, conclude).
  - B. Use the scientific method with problems and experiments (think/talk About, decide, try, see if you were right).
  - C. Use scientific equipment in a proper manner.
  - D. Use technology to assist in problem solving.
  - E. Understand the relationship between humans, the environment, and earth's resources.
    1. Effects of pollution.
    2. Practices of conservation (reuse, reduce, recycle, refuse).
    3. What we can do to promote a healthy world.

### **Content Outcomes.**

- 2. Identify the five senses and their functions.**
  - A. Know about seeing.
  - B. Know about smelling.
  - C. Know about touching.
  - D. Know about hearing.
  - E. Know about tasting.
  - F. Know about the visible parts of the body (head, arms, shoulders, legs, knees, trunk, toes, fingers).
- 3. Understand similarities and differences about common plants.**
  - A. Know different common plants (trees, flowers, grass, etc.).
  - B. Know where common plants grow.
  - C. Know about care of common plants.
- 4. Classify common animals.**
  - A. Know different common animals (farm, pets, zoo, etc.).
  - B. Know where common animals live.
  - C. Know how different animals move.

**5. Develop an awareness of our physical environment (air, land, and Water).**

- A. Know how air is all around us.
- B. Know how the earth is made up of land and water.
- C. Know how we need to care for the air, land and water.
- D. Know the names and the order of the four seasons.
- E. Know the weather in each season in the area the student lives.

**6. Foss Science Units.**

- A. Earth Science – Students will observe, compare, and describe materials such as wood and fabric and how they apply in the real world.
- B. Life Science – Students will observe, compare, and describe the structures and behavior of an organism and then compare the organism to a similar one (guppies and goldfish, land snails and water snails, and earthworms and night crawlers).