

**Science – Grade 3**  
**Hartley-Melvin-Sanborn CSD**  
**Grade Level/Course Benchmarks**

Students will:

1. Plan and conduct simple investigations (e.g. formulates a testable question, makes observations, makes logical conclusions). (GENERAL)
2. Use appropriate tools and simple equipment (e.g. thermometers, magnifiers, microscopes, calculators, graduated cylinders) to gather scientific data and extend the senses. (GENERAL)
3. Understand that the body of scientific knowledge is under constant change. (GENERAL)
4. Know that technology and science impact each other. (GENERAL)
5. Understand that human activity affects environments. (GENERAL)
6. Know that plants and animals progress through life cycles (or stages) (LIFE)
7. Use traits to classify animals with backbones and those without backbones. (LIFE)
8. Classify plants as seed plants (flowering or cone) or non-seed plants (LIFE)
9. Understand the five senses. (LIFE)
10. Know the organization of a simple food chain. (LIFE)
11. Classify animals as herbivores, carnivores, or omnivores. (LIFE)
12. Describe a desert, marsh, tide pool. and forest habitat. (LIFE)
13. Know that white light is a spectrum of colors. (PHYSICAL)
14. Know how sound and light waves travel (PHYSICAL)
15. Identify basic weather instruments and use them to measure elements of weather (e.g. temperature, wind, and precipitation). (EARTH)
16. Identify the elements of weather (temperature, wind, and precipitation). (EARTH)

17. Explain the water cycle (know that water exists in different forms and changes form one form to another through various processes (freezing, condensation, evaporation, and precipitation). (EARTH)

18. Distinguish between revolve and rotate and how they cause the phases of the moon (EARTH)

19. Identify three physical features of the moon (crater, mare, ray) (EARTH)

Revised 2004-2005 Science Benchmark Day

K-4 team Diane Rossman