Next Generation Science Standards
Appendix H: Understanding the Scientific Enterprise: The Nature of Science in NGSS

Grades K, 1, 2

Adopted 2013

Understandings about the Nature of Science

1. **Scientific Investigations Use a Variety of Methods** AH.1
    1. Science investigations begin with a question. K-2.AH.1.1
    2. Scientist use different ways to study the world. K-2.AH.1.2
2. **Scientific Knowledge is Based on Empirical Evidence** AH.2
    1. Scientists look for patterns and order when making observations about the world. K-2.AH.2.1
3. **Scientific Knowledge is Open to Revision in Light of New Evidence** AH.3
    1. Science knowledge can change when new information is found. K-2.AH.3.1
4. **Science Models, Laws, Mechanisms, and Theories Explain Natural Phenomena** AH.4
    1. Scientists use drawings, sketches, and models as a way to communicate ideas. K-2.AH.4.1
    2. Scientists search for cause and effect relationships to explain natural events. K-2.AH.4.2
5. **Science is a Way of Knowing** AH.5
    1. Science knowledge helps us know about the world. K-2.AH.5.1
6. **Scientific Knowledge Assumes an Order and Consistency in Natural Systems** AH.6
    1. Science assumes natural events happen today as they happened in the past. K-2.AH.6.1
    2. Many events are repeated. K-2.AH.6.2
7. **Science is a Human Endeavor** AH.7
    1. People have practiced science for a long time. K-2.AH.7.1
    2. Men and women of diverse backgrounds are scientists and engineers. K-2.AH.7.2
8. **Science Addresses Questions About the Natural and Material World.** AH.8
    1. Scientists study the natural and material world. K-2.AH.8.1