### Unit 1: Nature of Science and Engineering (embedded in Unit 2, 3 and 4)

1.1 I can use my observations to tell the difference between a living and nonliving thing. (1.1.1.1.1)
1.2 I can share my observations. (1.1.1.1.1)
1.3 I can explain my thinking through drawings, writing and/or discussions. (1.1.1.1.1)
1.4 I can compare my observations with those of others. (1.1.1.1.2)
1.5 I can explain that many living and nonliving things are made of parts. (1.1.3.1.1)
1.6 I can explain that if a part of a system is missing or broken, it may not function properly. (1.1.3.1.1)
1.7 I can use tools to sort earth materials. (1.1.3.2.1)
1.8 I can use tools to gather information and to solve problems. (1.1.3.2.1)
1.9 I can explain why tools are important for science and engineers and give examples of tools they use. (1.1.3.2.1)

### Unit 2: Earth Science – Rocks, Sand, and Soils (8 weeks)

Modules – Pebbles, Sand and Silt (FOSS) & Rocks (MPS)*

2.1 I can identify the properties of rocks. (1.3.1.3.1)
2.2 I can sort rocks by properties. (1.3.1.3.1)
2.3 I can explain my reasons for sorting based on observations. (1.3.1.3.1)
2.4 I can describe earth materials. (1.3.1.3.2)
2.5 I can compare different types of earth materials. (1.3.1.3.2)
2.6 I can describe objects made of earth materials. (1.3.1.3.3)

### Unit 3: Life Science – Plants and Animals: Habitats, Life Cycles and Needs (10 weeks)

Module – Organisms (STC)*

3.1 I can sort animals and plants into groups by their observable properties. (1.4.1.1.1/2.4.1.1.1)
3.2 I can explain how I sorted animals and plants into groups. (1.4.1.1.1/2.4.1.1.1)
3.3 I can identify the needs of animals and plants. (Needs include: space, water, food, air and shelter) (1.4.1.1.1/2.4.2.1.1)
3.4 I can explain that if a part of a living system is missing it may not function correctly. (1.4.1.1.1/2.4.2.1.1)
3.5 I can explain how an animal’s habitat provides for its basic needs. (2.4.2.1.1)
3.6 I can describe the changes that take place in a plant’s life cycle. (2.4.3.1.1)
3.7 I can describe how a seed changes as it grows. (2.4.3.1.1)

### Unit 4: Physical Science – A Nonliving System – Electric Circuits (4 weeks)

Module – 1st Grade Electricity (MPS)*

4.1 I can make a complete circuit using a battery, light bulb, and switch. (4.2.3.2.2)
4.2 I can explain that nonliving things are made of parts. (1.1.3.1.1)
4.3 I can explain that if a part of a circuit is missing or broken, it will not function properly. (1.1.3.1.1)
4.4 I can assemble materials using a picture as a guide. (1.1.1.1.2)

* Unit is taught when module is checked out

**NOTE:** Elementary science units may be taught in a different sequence depending on the availability of science kits.