

| State Goal | State Objective | Essential Question | Learner skills - e.g. "explain", "compare", "interpret". Can have more than 1 skill per box | Content - e.g. chapter, unit, section | Activities | Assessments | Month Started | Week Started | Technology | Vocabulary | Grade | Course | State Prefix |
|--|--|---|---|---|---|--|---------------|-----------------|--|--|-------|---------|--------------|
| 1.1: Understand Systems, Order, and Organization | 1.1.1 Analyze different systems. (618.01.a) | What are the characteristics of an ecosystem? What are the kingdoms of organisms and how are they subdivided? | Categorize living elements of an ecosystem as members of a population, a community, and an ecosystem. Explain the characteristics that scientists use to classify plants and animals. | Ecosystems C6 -11 Classification A 42 - 56 | Investigation on C4 - 5 Wksht. WB 81 Investigation A 40-41 and 50-51 wksht. WB 18, 19, and 23 | Informal assessment of lab and worksheets | May April | 31 - 32 27 - 28 | Video | environment, biotic, abiotic, habitat, population, community, ecosystem, niche, classification, genus, and species | 6 | Science | 6.S. |
| 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations | 1.2.1 Explain how observations and data are used as evidence on which to base scientific explanations and predictions. (618.02.a) | How do we know that Earth's plates move? | Explain how scientists have used fossils and rocks to support plate movement. | Movement of Earth's Crust D 4/5 and D 12/13 | Investigations on D 4/5 and D 12/13, World Map activity | Informal assessment of lab and worksheets | September | 3 | Video | inner core, outer core, mantle, crust, plate tectonics, and plate boundaries | 6 | Science | 6.S. |
| 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations | 1.2.2 Use observations to make inferences. (618.02.b) | How do we know atoms exist? | Investigate how to infer the characteristics of an object you cant observe. | Atoms, Elements, and Compounds E 4/5 | Investigation on E 4/5 | Informal assessment of lab and lab worksheet | October | 6 - 8 | Video | atom, infer, and hypothesize | 6 | Science | 6.S. |
| 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations | 1.2.3 Use models to explain or demonstrate a concept. (618.02.c) | What are Earth's layers? How do Earth's plates move? | Compare and contrast the Earth's layers. Explain how Earth's plates move. | Movement of Earth's Crust D 4/5 and D 12/13 | Investigations on pages D 4/5 and D 12/13 | Informal assessment of lab and worksheets | September | 1 - 2 | Computer - volcanoes and earthquakes | inner core, outer core, mantle, crust, plate tectonics, and plate boundaries | 6 | Science | 6.S. |
| 1.3: Understand Constancy, Change, and Measurement | 1.3.1 Analyze changes that occur in and among systems. (618.03.b) | What changes occur in the rock cycle? | Explain the processes by which rocks are formed one from another. | Rocks and the Rock Cycle D64 - 67 | Examine various rock samples. Complete a flow chart showing how rocks can change. | Informal assessment of lab, their flow charts, and wkshts. WB158 and 159 | October | 4 - 5 | | rock cycle, metamorphic, igneous, and sedimentary | 6 | Science | 6.S. |
| 1.3: Understand Constancy, Change, and Measurement | 1.3.2 Measure in both U.S. Customary and International System of Measurement (metric system) units with an emphasis on the metric system. (618.03.c) | What's the average rainfall in a Rain Forest and in Cascade? | Compare the average rain fall in a rain forest and in Cascade. | Ecosystems C4/5 | Investigation on C 4/5 | Informal assessment of lab and worksheets | May | 31 - 32 | Use computer to locate data for their graphs | double-bar graph | 6 | Science | 6.S. |