

**Seventh grade:** Teachers in this grade level will receive three modules: *FOSS Chemical Interactions*, *SEPUP Rocks and Minerals, Plate Tectonics* and *SEPUP –Bodyworks, Cell Biology and Disease*. In *FOSS Chemical Interactions* students explore the kinetic particle theory of matter and use that as a framework to explain the behavior of solids, liquids and gases in phase changes. They learn about chemical reactions and limiting factors, the periodic table and energy transfer in chemical reactions. The physical science standards that cover Newton’s Laws are not aligned with this module, but they are in the 6<sup>th</sup> grade module *STC Energy, Forces and Motion*. In *SEPUP Rocks and Minerals, Plate Tectonics* students explore the Earth’s natural resources, the concept of renewable and non-renewable and what makes natural resources valuable. Students investigate how human activity can accelerate natural process such as erosion. Finally, students explore plate tectonics and what is happening under the Earth’s crust to make them move. In *SEPUP—Bodyworks, Cell Biology and Disease* students learn about the major organ systems and their functions, history of disease, the structure and function of cells and bioengineering.