

**Science Unit Overview
Grade 5**

Unit	Unit Proficiencies	Priority Standards from NGSS
Earth & Sun	Understand and apply: <ul style="list-style-type: none"> • The geosphere, biosphere, hydrosphere, and/or atmosphere interact with one another. • Saltwater and freshwater provide evidence about the distribution of water on Earth. • Differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth. • There are patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars. 	S-ESS1-1 S-ESS1-2 S-ESS2-1 S-ESS2-2 S-ESS3-1
Chemistry	Understand and apply: <ul style="list-style-type: none"> • Simple chemical reactions will produce new substances that might be indicated by a different state of matter, a color change, or a temperature change of the substances. • There are different states of matter. 	VT Science Standards 7.12 S5-6:15
Living Systems	Understand and apply: <ul style="list-style-type: none"> • Energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun. • Plants get the materials they need for growth chiefly from air and water. • There is movement of matter among plants, animals, decomposers, and the environment. 	5-LS1-1 5-LS2-1 5-PS3-1