

## SIXTH GRADE SCIENCE QUARTERLY PACING GUIDE

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
<b>C O N T E N T</b>	<b>THE PLANET ROCK</b> Rock made of minerals Rocks broken down through weathering and erosion Physical weathering/wind, water, waves, glacier movement Surface of Earth constantly changing Rock cycle Rocks – sedimentary, metamorphic, and igneous Layering of sediments/pressure Heat and pressure from magma Cooling of magma Chemical weathering Soil Particle size	<b>EARTH: YESTERDAY, TODAY, AND TOMORROW</b> Earth – core, mantle, and crust Properties and chemicals of each layer Tectonic plates Result of movement of plates Earthquakes, volcanic eruptions, mountain building Fault lines Seismologists Formation of volcanoes Magnetic field of the Earth Fossils and rock layers to determine geologic time	<b>ENERGETIC CONNECTIONS</b> Energy in changes of matter Transfer of energy Potential energy Kinetic energy Gravitational, elastic, and chemical energy Radiation Conduction Convection Atom and molecule arrangement in different states of matter Mass of matter	<b>ENERGY IN AN ECOSYSTEM</b> Producers Consumers Decomposers Ecosystem relationships Competition between organisms Parasitism Mutualism Symbiosis Predators Prey Biotic and abiotic factors within an ecosystem Organisms cause change in their environment
<b>A S S E S S M E N T</b>	Pre/Post Unit Assessment Vocabulary Quiz Journal entries	Pre/Post Unit Assessment Vocabulary Quiz Journal entries	Pre/Post Unit Assessment Vocabulary Quiz Journal entries	Pre/Post Unit Assessment Vocabulary Quiz Journal entries
<b>S T A N D A R D S</b>	E.SE.06.41      S.IP.06.15 E.SE.06.11      S.IP.06.16 E.SE.06.12      S.IA.06.11 E.SE.06.13      S.IA.06.12 E.SE.06.14      S.IA.06.13 S.IA.06.14 S.RS.06.11 S.RS.06.12 S.RS.06.13 S.IP.06.11      S.RS.06.14 S.IP.06.12      S.RS.06.15 S.IP.06.13      S.RS.06.16 S.IP.06.14      S.RS.06.17	P.SE.06.51      S.IP.06.15 P.SE.06.52      S.IP.06.16 P.SE.06.53      S.IA.06.11 P.SE.06.61      S.IA.06.12 P.SE.06.62      S.IA.06.13 P.ST.06.31      S.IA.06.14 P.ST.06.41      S.IA.06.15 P.ST.06.42      S.RS.06.11 S.RS.06.12 S.RS.06.13 S.IP.06.11      S.RS.06.14 S.IP.06.12      S.RS.06.15 S.IP.06.13      S.RS.06.16 S.IP.06.14      S.RS.06.19	P.EN.06.11      S.IP.06.15 P.EN.06.12      S.IP.06.16 P.EN.06.41      S.IA.06.11 P.EN.06.42      S.IA.06.12 P.CM.06.11      S.IA.06.13 P.CM.06.12      S.IA.06.14 S.RS.06.11      S.IA.06.15 S.RS.06.12      S.IP.06.11 S.RS.06.13      S.IP.06.12 S.RS.06.14      S.IP.06.13 S.RS.06.15      S.IP.06.14 S.RS.06.16      S.RS.06.17 S.RS.06.18      S.RS.06.19	L.OL.06.51      S.IP.06.11 L.OL.06.52      S.IP.06.12 L.EC.06.21      S.IP.06.13 L.EC.06.22      S.IP.06.14 L.EC.06.23      S.IP.06.15 L.EC.06.31      S.IP.06.16 L.EC.06.32      S.IA.06.11 L.EC.06.41      S.IA.06.12 L.EC.06.42      S.IA.06.13 S.RS.06.11      S.IA.06.14 S.RS.06.12      S.IA.06.15 S.RS.06.13      S.RS.06.14 S.RS.06.15      S.RS.06.16 S.RS.06.17      S.RS.06.18 S.RS.06.19