

6th Grade Science Curriculum Guide

Unit/time frame	Title	Disciplinary Core Ideas	Performance Expectations
Quarter 1 3-4 weeks	Introduction to Science	ETS1.A: Defining and Delimiting Engineering Problems ETS1.B: Developing Possible Solutions	MS-ETS1-1
Quarter 1 6 weeks	Matter	PS1.A Structure and Properties of Matter PS1.B Chemical Reactions PS3.A Definitions of Energy ETS1.B Developing Possible Solutions ETS1.C Optimizing Design Solution	PS 1-1 PS 1-2 PS 1-4 PS 1-5 PS 1-6
Quarter 2 3-4 weeks 3 weeks	Forces and Motion Magnetism	PS2.A Forces & Motion PS2.B Types of Interactions	PS 2-1 PS 2-2 PS 2-3 PS 2-5
Quarter 2 4 weeks Quarter 3 7 weeks	Energy Potential & Kinetic Energy: Heat Transfers:	PS3.A Definitions of Energy PS3.B Conservation of Energy & Energy Transfer ETS1.A Defining and Delimiting and Engineering Problem ETS1.B Developing Possible Solutions	PS 3-1 PS 3-2 PS 3-3 PS 3-4 PS 3-5

Quarter 3 1 ½ weeks	Systems of Plate Tectonics	ESS1.C The History of Planet Earth ESS2.B Plate Tectonics & Large Scale System Interactions	ESS 2-3
Quarter 3 2 weeks	Natural Resources	ESS3.A Natural Resources ESS3.C Human Impacts on Earth Systems	ESS 3-1 PS 1-3
Quarter 4 4 weeks	Earth's Place in the Universe	ESS1.B Earth & The Solar System PS2.B Types of Interactions	ESS 1-1 ESS 1-2 ESS 1-3 PS 2-4
Quarter 4	Water on Earth's Surface	ESS2.C The roles of Water in Earth's Surface Processes	ESS 2-2 ESS 2-4 ESS 2-6
Quarter 4	Weather	ESS2.C The roles of Water in Earth's Surface Processes	ESS 2-5
Quarter 4	Ecosystems	LS2.A Interdependent Relationships in Ecosystems	LS 2-1 LS 2-2
THROUGHOUT ALL UNITS	Engineering Design	ETS1.A Defining and Delimiting and Engineering Problem ETS1.B Developing Possible Solutions ETS1.C Optimizing Design Solution	ETS 1-1 ETS 1-2 ETS 1-3 ETS 1-4