Grade 6
Science Pacing Guide

Introduction to Engineering and Design	**September 10 Days**
● Steps of the Engineering Design Process (EDP) ● Applying the EDP to create solutions to real world problems ● Careers that utilize the EDP	
Waves and Electromagnetic Radiation	**October 11 Days**
● Models and properties of waves ● Interaction of light and matter ● Properties of sound ● Mechanical waves ● Electromagnetic waves	
Structure, Function, and Information Processing (Cells)	**November – December 14 Days**
● Living vs. Non Living/ Single Cell vs. Multicellular organisms ● Structure and function of cells ● Multicellular organisms-body subsystems ● Senses and the nervous system	
Matter and Energy in Organisms and Ecosystems	**January – February 16 Days**
● Photosynthesis ● Cellular Respiration ● Flow of Energy ● Connection between organisms and ecosystems	

Weather and Climate	**February – March** **15 Days**
● Wind and hydrologic cycles and the sun ● Data collection of motion and interaction of air masses ● Variation of density and ocean currents ● Variation of temperature in coastal and inland communities ● Regional climates ● Causes of rising global temperatures over time	
Space Systems	**April – June** **25 Days**
● Sun's position in the sky ● Earth-sun-moon system and patterns ● Gravity and orbital pull ● Scale properties of objects in the solar system ● Gravity and motions within galaxies	