

K – 5SCOPE AND SEQUENCE: EARTH AND SPACE SCIENCE STRAND OBJECTIVES

Concept	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
PWC Objective	K.5.1	1.5.1	2.5.1 – 2.5.2	3.5.1 – 3.5.2	4.4.1 – 4.4.2	5.5.1 – 5.5.3
Weather	SOL K.8a— weather observations can be noted PWC K.5.1— seasonal temperature and precipitation patterns	SOL 1.7stem— temperature, light, and precipitation changes by season	SOL 2.6a, b—types and patterns of weather (temperature, wind, precipitation, severe weather; uses of measuring devices and weather data) PWC 2.5.1 weather-related processes (condensation, evaporation, precipitation) SOL 3.9a-d—water cycle (origin of energy to drive cycle; processes involved in the water cycle); importance of water; water conservation		SOL 4.6a-b—weather conditions and phenomena (weather factors including air temperature, pressure, humidity, wind speed, clouds; large-scale systems including fronts and storms; tools)	
Earth-Moon-Sun Relationships		SOL 1.6 a, b—basic relationships between E/S (sun is source of heat and light; relationship of day/night and rotation)		SOL 3.8a— sequences and patterns (night/day, seasonal changes, phases of the moon and tides)	SOL 4.7a-c—relationships among E/M/S (revolution & rotation; causes of seasons and phases of the moon; size, position, age, and makeup of E/M/S) SOL 4.7d—historical contributions to exploration of E/M/S	
Oceanography						SOL 5.6a-c— characteristics of the ocean environment
Earth’s Surface Motions and Changes (Geology)						SOL 5.7a, b, d, e, f— changes and motions of Earth’s surface (rock cycle; history; plate tectonics; weathering/erosion; human impact) SOL 5.7c—Earth’s interior
Soil				SOL 3.7a-d—basic concepts related to soil SOL 2.7b— weathering and erosion		