

Accomack County Public Schools Grade 6 Science Pacing Guide

This pacing guide is based on the 2018 VDOE science standards and designed around the premise of a 90-minute science block. The rationale is that students are taught using scientific inquiry lessons, engaging in scientific discourse with peers, and using authentic learning experiences to develop academic vocabulary.

	SOL Standard	Suggested Time Frame	Unit Topic
First Nine Weeks	6.1	2 weeks and ongoing throughout the semester	Scientific Investigation
	6.2	2 weeks	The Solar System <ul style="list-style-type: none"> • Key Physical Features • Hierarchy • Anatomical Comparisons
	6.3	2 weeks	The Sun, Earth, and Moon <ul style="list-style-type: none"> • Cell Structure • Cellular Organization • Photosynthesis & Respiration Cell Division
	6.4	1 Weeks	Energy Transformations <ul style="list-style-type: none"> • The Sun's Role in Earth's Energy Formation • Earth's Energy Budget • Radiation, Conduction, & Convection • Energy Usage and Transformations
	6.5	2 Weeks	Matter <ul style="list-style-type: none"> • Atoms • Basic Chemistry • Chemical Bonds & Equations Benchmark
Second Nine Weeks	6.6	2 weeks	Water <ul style="list-style-type: none"> • Specific Properties • As the Universal Solvent • Thermal Energy and Phase Changes • Weathering & Climate • Agriculture, Power Generation & Public Health Actions
	6.7	2 Weeks	Earth's Atmosphere <ul style="list-style-type: none"> • Components of Air • Physical Characteristics • Measurements, Thermal Energy, & Weather
	6.8	2 Weeks	Watershed Systems <ul style="list-style-type: none"> • Virginia's Watersheds • Natural Processes, Human Activities, and Biotic and Abiotic Factors Influence on a Watershed System
	6.9	2 Weeks	Resources <ul style="list-style-type: none"> • Renewable and Nonrenewable • Air and Water Quality • Health and Safety Issues Related to Energy • Protective Land Use and Hazard Reduction • Conservation Policies
		1 Week	Review Cumulative Assessment of All SOL Standards