

Accomack County Public Schools Grade 8 Physical 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	PS 1	2 weeks and ongoing throughout the semester	Scientific Investigation <ul style="list-style-type: none"> • Lab Safety/Equipment • Experimental Design
	PS 2 and PS 3	2 weeks	Matter <ul style="list-style-type: none"> • Physical vs Chemical • The Atom • States of Matter and Phase Changes • Elements/Compounds/Mixtures
	PS 4	3 weeks	Periodic Table & Reactivity <ul style="list-style-type: none"> • Periodic Table • Chemical Bonding • Chemical Reactions • Balancing Chemical Equations
	PS 1-4	2 Weeks	SOL Review/Remediation
Second Nine Weeks	PS 8	2 weeks	Force & Motion <ul style="list-style-type: none"> • Forces • Speed/Velocity/Acceleration • Newton's Laws of Motion • Simple Machines
	PS 5-7, PS 9	4-5 Weeks	Energy <ul style="list-style-type: none"> • Forms/Conversions • Energy and society • Heat/Light/Sound • Electricity
	All Standards	2-3 Weeks	SOL Review/SOL Test