

Grade 8 - Pacing Guide at a Glance

Instruct. Time	General Science	Earth Science	Algebra I
First Nine Weeks	Scientific Investigation	Intro To Science	Algebraic expressions - A.1
	Atomic Structure / Periodic Table	Mapping	Solve multistep linear equations - A.4a/b/d/f
		Plate Tectonics	
	Energy and Heat	Earthquakes	Solve multistep inequalities - A.5a/b
	Water	Volcanoes	
		Minerals	
Second Nine Weeks	Weather	Igneous Rocks	Investigate functional families - A.7
		Igneous Rocks/Sedimentary-Metamorphic Rocks/Erosion-Weathering/Surface Water	
	Solar System	Surface Water	Direct and inverse variation - A.8
	Natural Resources	Surface Water/Ground water	Graph linear equations and linear inequalities - A.6
		Ground water/ Geologic History	
	Cells and Cellular Processes	Geologic History/VA Provinces	
Life Processes	Review/Exams		
End of 1st semester (Total 87)			
Third Nine Weeks	Life Processes	Atmosphere	Systems of linear equations and linear inequalities - A.4e, A.5c/d
	Classification	Atmosphere/Meteorology	
		Meteorology/Storm Systems	
	Genetics	Storm Systems/Climates	Laws of exponents, polynomial operations and factoring - A.2
	Ecosystems	Climates	
		Oceanography	
Changes in Matter	Sun-Earth-Moon		
	Sun-Earth-Moon/Solar System		
Weeks	Light and Sound	Stars	Solving quadratic equations - A.4c
	Electricity and Magnetism	Stars/Cosmology	
	Force, Work, and Simple Machines	Resources	Simplest radical form - A.3
	SOL Review	Review	Data & Statistics - A.9, A.10, A.11
Spring Break			
Fourth Nine	SOL Review and SOL Testing	Review/Supplemental Topics	Data & Statistics - A.9, A.10, A.11
			Review and assess
Benchmark Testing	End of 2nd Semester (Total 93)		
	Review and Testing		