

Grade 9 - Pacing Guide at a Glance

Instruct. Time	Biology	Earth Science	Algebra 1	Geometry
First Nine Weeks	Sci Inv/appropriate use of scientific tech/ chemical equip/ models water chem & its impact on life processes macromolecules enzymes	Intro To Science	Algebraic expressions - A.1	Dist/midpt formula review
		Mapping		Relationships among angles
		Plate Tectonics	Solve multistep linear equations - A.4a/b/d/f	Const/sym/transf - G.3, 4
		Earthquakes		Logic - G.1
	Cell structure: prokaryotic & eukaryotic /cell theory	Volcanoes	Solve multistep inequalities - A.5a/b	Angles & transversals - G.2, 3
	(Pacing Adjustment time)	Minerals		Constructions, verify parallel/perpendicular lines - G.4
Second Nine Weeks	Cell models/Bacteria/Cell specialization	Igneous Rocks	Investigate functional families - A.7	Angles of polygons - G.10
	Chemical and Biochemical principles	Igneous Rocks /		Direct and inverse variation - A.8
		Metamorphic		
	Growth & division/gamete formation	Weathering/Surface	Graph linear equations and linear inequalities - A.6	Triangle Ineq Theorem - G.5
		Surface Water		Triangle similarity - G.7
	Mendelian Laws/genetic variation	Surface Water/Ground	Review and assess	
Exams	Ground Water/Geologic			
	Geologic History/VA			
	Review/Exams			
Winter Break		End of 1 st semester	(Total 87)	
Third Nine Weeks	Mendelian Laws/gen var	Atmosphere	Systems of linear equations and linear inequalities - A.4e, A.5c/d	Practical problems involving properties of right triangles - G.8
	Structural models of DNA/nucleic acids/const of proteins/misuse of genetic info/DNA technology	Atmosphere/Meteorolo		
		Meteorology/Storm Systems		
		Storm Systems/Climates		
	Structural simi/fossil records/dev stages or org/syst of classifi/biol evolution	Climates	Laws of exponents, polynomial operations and factoring - A.2	Practical problems involving angles of polygons and properties of quadrilaterals - G.9, 10
		Oceanography		
Populations/nutrient	Sun-Earth-Moon	Sym and transformations - G.3		
	Sun-Earth-Moon/Solar			
	Solar System/Stars	Circles: angles, arcs, chords, tangents, and secants - G.11		
Weeks	cycling/naturaland/VA eco	Stars	Solving quadratic equations - A.4c	Equations of circles - G.12
	Archae, Bacteria, Eukarya	Stars/Cosmology		
		SOL Review	Resources	Simplest radical form - A.3
	Review	Data & Statistics - A.9, A.10, A.11	Props of similar objects - G.14	
Spring Break				
Fourth Nine		Review/Supplemental Topics	Data & Statistics - A.9, A.10, A.11	
			Review and Assess	
Benchmark Testing	Review and Testing		End of 2 nd Semester	(Total 93)