

Grade 10 - Pacing Guide at a Glance

Instruct. Time	Biology	Chemistry	Algebra II	Geometry
First Nine Weeks	Sci Inv/appropriate use of scientific tech/ chemical equip/ models water chem & its impact on life processes macromolecules enzymes	Nature of Chemistry, Math, and Measurements	Absolute value equations and inequalities - A2.4a	Dist/midpt formula review Relationships among angles Const/sym/transf - G.3, 4
	Cell structure: prokaryotic & eukaryotic /cell theory	Scientists: early atomic theory/atomic model/iso-subat particles/Quantum Mech Model/empirical definition of substances	Overview of functions - A2.6, A2.7a	Logic - G.1
	(Pacing Adjustment time)	Periodic Table	Operations on radical expressions - A2.1b/c	Angles & transversals - G.2, 3 Constructions, verify parallel/perpendicular lines - G.4
	Cell models/Bacteria/Cell specialization	Periodic Table	Review and Assess Quadratics and complex numbers - A2.1d, 3, 4b, 5, 7c	Angles of polygons - G.10
	Chemical and Biochemical principles	Ionic and Covalent Bonding	Function operations - A2.4d, 7g/h	Triangle congruency - G.6
Second Nine Weeks	Growth & division/gamete formation	Advanced Bonding Structure	Polynomials - A2.1d, 7a/b/c/d/f, 8	Triangle Ineq Theorem - G.5
	Mendelian Laws/genetic variation	Chemical Reactions		Triangle similarity - G.7
	Exams	Adj time and Exams		Review and assess
Winter Break		End of 1 st Semester		(Total 87)
Third Nine Weeks	Mendelian Laws/gen var	Stoichiometry	Exponents and logarithms - A2.6, 7	Practical problems involving properties of right triangles - G.8
	Structural models of DNA/nucleic acids/const of proteins/misuse of genetic info/DNA technology		Rational functions, expressions, and equations - A2.1a, 4c, 6, 7, 10	Practical problems involving angles of polygons and properties of quadrilaterals - G.9, 10
	Structural simi/fossil records/dev stages or org/syst of classifi/biol evolution	States of Matter/Solutions	Sequences and series - A2.2	Sym and transformations - G.3
	Populations/nutrient	Solutions	Statistics - A2.9, 11, 12	Circles: angles, arcs, chords, tangents, and secants - G.11
	Weeks	cycling/naturaland/VA eco	Acids and Bases Thermodynamics and Kinetics	Review and SOL preparation
	Archae, Bacteria, Eukarya			Solid geometry - G.13
	SOL Review	Oxidation and Reduction		Props of similar objects - G.14
Spring Break				
Fourth Nine		Nuclear Chemistry	Extensions topics including but not limited to trigonometry, systems of linear equations (matrices), and conic sections	
		Organic and Biochemistry		
Benchmark Testing	End of 2 nd Semester			(Total 93)
	Review and Testing			