

High School Science Curriculum <i>Primary curriculum materials</i>	Semester 1					
	Quarter 1			Quarter 2		
	August	September	October	November	December	January
Physical Science: Chemistry <i>LCS Designed</i>	Unit 1: Chemistry and Properties		Unit 2: Atoms and Bonding	Unit 3: Chemical Reactions and Naming	Unit 4: Scientific Calculations and the Mole	
Physical Science: Physics <i>LCS Designed</i>	Science and Measurement		Planetary Science		Studying Stars	Cosmology
Biology <i>LCS Designed</i>	Unit 1: Biology and the Nature of Science		Unit 2: Photosynthesis and Respiration	Unit 3: Ecology	Unit 4: Viruses and Bacteria	
Chemistry <i>LCS Designed/Chemistry by Prentice Hall</i>	Unit 1: Measurements & The Mathematics of Chemistry		Unit 2: Model of the Atoms	Unit 3: Periodic Table & Trends	Unit 4: Covalent Bonding in 3-dimensions	
Physics <i>Conceptual Physics by Hewitt</i>	Introduction	Mechanics - Motion and Newton's Laws	Mechanics - Conservation Laws	Mechanics - Rotation and Revolution	Mechanics - Gravity	Mechanics - Special Relativity
Anatomy and Physiology <i>LCS Designed/Anatomy & Physiology by Openstax</i>	Unit 1: Language of Anatomy & Homeostasis	Unit 2: Skeletal System	Unit 3: Musculoskeletal System	Unit 4: Endocrine System	Unit 5: Nervous System	Cumulative Assessment
AP Chemistry <i>LCS Designed/AP Classroom/AP Edition Chemistry by Cengage</i>	Unit 1: Chemistry Foundations Review	Unit 2: Intramolecular Forces--Atomic Structure, Periodicity, Bonding & Orbitals	Unit 3: Intermolecular Forces--Liquids, Solids, Gases	Unit 4: Thermochemistry Unit 5: Chemical Reactions	Unit 5: Chemical Reactions Unit 6: Organic Chemistry	Unit 6: Organic Chemistry
AP Biology <i>LCS Designed AP Classroom Biology by Openstax</i>	Ecology		Biochemistry	Cell Structure and Function	Cellular Energetics	Cell Signaling



The LCS Science curriculum aligns with Next Generation Science Standards and College Board Advanced Placement Learning Outcomes.

High School Science Curriculum <i>Primary curriculum materials</i>	Semester 2					
	Quarter 3			Quarter 4		
	January	February	March	April	May	June
Physical Science: Chemistry <i>LCS Designed</i>	Unit 1: Science and Chemistry		Unit 2: Atoms and Bonding		Unit 3: Chemical Reactions and Naming	Unit 4: Scientific Calculations and the Mole
Physical Science: Physics <i>LCS Designed</i>	Science and Measurement		Planetary Science		Studying Stars	Cosmology
Biology <i>LCS Designed</i>	Unit 5: DNA and RNA		Unit 6: Genetics	Unit 7: Human Reproduction and Embryonic Development	Unit 8: Evolution	
Chemistry <i>LCS Designed/Chemistry by Prentice Hall</i>	Unit 5: Properties of Matter	Unit 6: Chemical Reactions		Unit 7: Water--The Universal solvent	Unit 8: Acid-Base Chemistry	
Physics <i>Conceptual Physics by Hewitt</i>	Properties of Matter	Heat	Sound and Light	Electricity and Magnetism	Atomic and Nuclear Physics	Other Topics
Anatomy and Physiology <i>LCS Designed/Anatomy & Physiology by Openstax</i>	Unit 5: Nervous System	Unit 6: Cardiovascular System	Unit 7: Respiratory System	Unit 8: Digestive System	Unit 9: Renal System	Cumulative Assessment
AP Chemistry <i>LCS Designed/AP Classroom/AP Edition Chemistry by Cengage</i>	Unit 7: Chemical Kinetics	Unit 8: Chemical & Solubility Equilibria	Unit 9: Acids & Base Equilibria	Unit 10: Electrochemistry	AP Exam Review	Final Project
AP Biology <i>LCS Designed AP Classroom Biology by Openstax</i>	Mitosis/Meiosis/Genetics		Molecular Genetics	Evolution	AP Exam Review	