

Subject Narrative

{Science}

	LC1	LC2	LC3	LC4	LC5
YEAR 7	Atoms elements and compounds Week 1: History of the atom Week 2: Atomic structure Week 3: States of matter Week 4: Elements and compounds Week 5: Periodic table Week 6: GAP WEEK	Energy and forces Week 1: Energy stores and transfers Week 2: Efficiency Week 3: Heating and cooling Week 4: Distance time calculations Week 5: Forces Week 6: GAP WEEK	Organisms and organ systems Week 1: Organisms Week 2: Organisation and cell structure Week 3: The digestive system Week 4: Enzymes Week 5: Microvilli Week 6: GAP WEEK	Chemical reactions Week 1: Chemical reactions Week 2: Conservation of matter Week 3: Metal oxidation + Displacement Week 4: Acids and alkalis Week 5: Combustion Week 6: GAP WEEK	Gas exchange Week 1: The gas exchange system Week 2: The heart Week 3: The lungs Week 4: Alveoli + gas exchange Week 5: Photosynthesis Week 6: GAP WEEK
YEAR 8	Ecology and inheritance Week 1: Tree of life Week 2: Variation Week 3: Classification Week 4: Food chains Week 5: Natural selection Week 6: GAP WEEK	Waves + space Week 1: Celestial bodies Week 2: The solar system Week 3: The seasons Week 4: Mass and weight Week 5: Waves Week 6: GAP WEEK	Particle model + separation of mixtures Week 1: States of matter Week 2: Changes of state Week 3: Density + pressure Week 4: Types of mixture Week 5: Separating mixtures Week 6: GAP	Electricity Week 1: Charge Week 2: Current Week 3: Resistance Week 4: Determining current calculations Week 5: Parallel circuits + static electricity Week 6: GAP WEEK	How science works Week 1: Theories + collecting evidence Week 2: Variables and predictions Week 3: Tables and graphs Week 4: Tables and graphs Week 5: Interpreting scales Week 6: GAP WEEK

			WEEK		
YEAR 9	Atoms, elements, and periodic table Week 1: Elements, compounds, and mixtures Week 2: Separating mixtures Week 3: Atomic theory Week 4: Ionisation Week 5: Periodic table + electron configuration Week 6: GAP WEEK	Energy and the particle model of matter Week 1: Energy stores and transfers Week 2: Efficiency Week 3: Calculating energy changes + power Week 4: Latent heat Week 5: Particle motion in gases Week 6: GAP WEEK	Cell structure and organ systems Week 1: Cells and magnification Week 2: Cell specialisation Week 3: Mitosis Week 4: Cell transport Week 5: The digestive system Week 6: GAP WEEK	Structure and bonding + quantitative chemistry Week 1: Changes of state Week 2: Ionic compounds Week 3: Metallic bonding Week 4: Covalent bonding Week 5: Allotropes Week 6: GAP WEEK	Radiation and electricity Week 1: Dangers of radiation Week 2: Radioactive decay Week 3: Nuclear equations + Half life Week 4: Current, PD, R and ohms law Week 5: Work done + power in circuits + power sources Week 6: GAP WEEK
YEAR 10	Health and disease + bioenergetics Week 1: Communicable disease Week 2: Treating disease Week 3: Photosynthesis Week 4: Metabolism Week 5: Fermentation Week 6: GAP WEEK	Metal reactivity, acids, and electrolysis Week 1: Metal oxidation and reduction + reactivity patterns Week 2: Acids + bases and acid base reactions Week 3: Balancing equations Week 4: Electrolysis Week 5:	Motion and forces Week 1: Vectors and scalars Week 2: Acceleration + motion graphs Week 3: Resultant forces Week 4: Newton is second law Week 5: Car safety Week 6: GAP WEEK	Homeostasis Week 1: Control systems Week 2: Nervous system Week 3: Endocrine system Week 4: Regulation of blood glucose Week 5: Hormonal contraception Week 6: GAP WEEK	Dynamic equilibrium, rate of reaction. Week 1: Reversible reactions and dynamic equilibria Week 2: Activation energy Week 3: Collision theory Week 4: Effects of variables on frequency Week 5: Catalysis Week 6: GAP

		Electrolysis of molten solutions Week 6: GAP WEEK			WEEK
YEAR 11	Waves and magnetism Week 1: Induced and permanent magnets Week 2: Magnetic fields Week 3: Electromagnetism Week 4: Calculating magnetic force Week 5: The motor effect Week 6: GAP WEEK	Evolution and ecology Week 1: Food webs and changes Week 2: Competition for resources Week 3: Carbon and water cycles Week 4: Biodiversity Week 5: Human factors affecting biodiversity Week 6: GAP WEEK	Organic chemistry, the atmosphere, and resources/mixtures Week 1: Hydrocarbons Week 2: Cracking + combustion Week 3: The atmosphere Week 4: Mixtures Week 5: Managing resources Week 6: GAP WEEK	-----	-----

Homework's based on prior knowledge

Quizzes to keep topics in working memory

Mock exams include and LC test multiple choice