

Long Term Plan: Science

Teacher 1 - KS3

Teacher 1: 2 lessons per week KS4

Teacher 2: 2 lessons per week KS4

Teacher 3: 2 lessons per week KS4



	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 7 Teacher 1	Science safety and lab skills Particle Model (The particulate nature of matter/Energetics/Physical changes/Particle model/solids liquids/gases) Cells and Organisation (Cells and organisation)	Food and Nutrition and Health (Nutrition and digestion) Reproduction (animal and Plant) Energy changes and transfer (Energy changes and transfer)	Motion and forces (Describing motion/forces/Balanced forces/Forces and Motion)	Atoms, Elements and Compounds (Atoms Elements and compounds/ Periodic table) Acids and Alkalis	Magnets and Magnetic fields Ecosystems (foodchain/webs etc) Light and Sound	Space Revision Skeleton
Assessment	Particle Model Progress Check Cells Progress Check	Forces Progress Check Combined Assessment 1	Atoms and Elements progress check Combined Assessment 2	Energy Progress Check Combined Assessment 3	Light and Sound Progress Check	Combined Assessment 4 (EOY)
Year 8 (outgoing but revised order) Teacher 1	Chemical Reactions (Chemical reactions/Periodic table) Cellular respiration and Gas exchange	Energy changes (change of state and types of reactions) Materials and matter (phys) (Materials/Particle model)	Pressure (Changes in systems/Pressure in Fluids/Physical changes) Atoms, Elements and Compounds recap plus chemical reactions	Electricity (Energy/Current electricity/magnetism) Periodic Table	Periodic Table Materials and Rocks (Materials/Earth and atmosphere) Materials (Periodic	Revision Science Skills

	(Cellular respiration/Gas exchange systems) Photosynthesis	Genetics and Evolution (inheritance,chromosomes,DNA and genes)	((Atoms Elements and compounds/ Periodic table))		table)	
Assessment	Combined test on all HT1 topics.	Combined Assessment 1	Progress check	Genetics and Evolution progress checks Combined Assessment 2	Periodic table progress check Materials Progress check.	Combined Assessment 3 (EOY)
Year 9 Teacher 1	Key Concepts Biology (Cell biology)	Cells and Control (coordination and control)	Genetics Natural Selection ((Evolution,inheritance and variation))	Human Evolution (Evolution,inheritance and variation)	Health,Disease and the development of Medicine	Revision, Review and Revisit
Year 9 Teacher 2	Key Concepts Motion and Forces (Forces/Forces and Motion)	State of Matter and Mixtures (Chemical analysis) Key Concepts Chemistry (part 1) (<u>Atomic structure and the periodic table</u>)	Conservation of Energy (Energy) Key Concepts Chemistry(part 2) (Structure,bonding and the properties of matter)	Chemical Change Extracting Metals and Equilibria Waves (Wave motion)	Radioactivity (Atomic structure) Extracting Metals and Equilibria (Chemical and allied industries)	Key Concepts Chemistry (part 3) Revision, Review and Revisit
Assessment	Assessment Forces	Assessment Key Concepts Biology Assessment Key Concepts Chemistry Assessment Conservation of Energy	Assessment Combined Topics	Assessment Combined Topics	Assessment Combined Topics	Mock Paper 1
Year 10 Teacher 1	Key Concepts Biology (Cell biology) Plant Structures and Their Functions (Photosynthesis/Cell biology)	Animal Coordination and Homeostasis (Coordination and control)	Exchange and Transport in Animals (Transport Systems/Cell biology)	Ecosystems and Material Cycles	Ecosystems and Material Cycles (Ecosystems)	Revision, Review and Revisit
Year 10 Teacher 2	Key Concepts Chemistry	Groups in the Periodic Table (Atomic	Rates of Reaction and Energy Changes	Fuels and Earth Science (Earth and	Fuels and Earth Science (Earth and	Revision, Review and Revisit

	Extracting Metals and Equalibria	structure and the periodic table) Rates of Reaction	(Energy changes in Chemistry/Rate and extent of chemical change))	Atmosphere)	atmospheric science)	
Year 10 Teacher 3	Radioactivity (Atomic structure) Energy - Forces doing Work ((Energy)) Forces and Their effects (Energy/Forces)	Electricity (Electricity)	Magnetism and the Motor effect (Magnetism and Electromagnetism) Electromagnetic induction (Magnetism and Electromagnetism)	Particle Model and Density (The structure of Matter)	Forces and Matter (Forces/the structure of matter)	Revision, Review and Revisit
Assessment	Assessment Key Concepts Assessment Plants Assessment Periodic Table Assessment Forces	Assessment Electricity	Assessment Combined Topics		Assessment Combined Topics	Mock Exams Paper 2
Year 11 Teacher 1	Key Concepts Biology (Cell biology) Cells and Control	Genetics and Cell division	Individual Group topics	Revision Paper 1	Revision Paper 2	
Year 11 Teacher 2	Key Concepts Chemistry States of Matter and Separating techniques	Chemical Changes Metals and Reactions	Individual Group topics	Revision Paper 1	Revision Paper 2	
Year 11 Teacher 3	Light and the EM spectrum/Waves Radioactivity	Radioactivity Forces and Motion	Individual Group topics	Revision Paper 1	Revision Paper 2	
Assessment	Assessment Combined Topics	Mock Exams Paper 1 +2	Assessment Combined Topics	Paper 1	Paper 2	