

SCIENCE Programme of Study (Year 10 2026-27)

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
	Autumn 1 – ‘Equality & Diversity’								Autumn 2 – ‘Living in the Wider World’						
	Subject Area Topic: Cells & Structures								Subject Area Topic: Atoms, electrons and the periodic table.						
	1. Scientific method Microscopes	2. Animal cells Plant cells	3. - Specialised cells -DNA - Chromosomes	4. -Mitosis -Stem cells Diffusion	5. -Osmosis Osmosis req. practical. -Surface area to volume ratio	6. -Exchange surfaces -Active transport	7. Revision of topic CHECK POINT	8. Therapy Week -States of matter -Atoms	1. -Atomic data Compounds -Atomic mass	2. -Atomic structure - electronic structure of atoms	3. -Conservation of mass -Balanced chem equations	4. -Properties of elements, metal, non-metals	5. -Group 1 Metals -group 7 elements -group 0	6. Revision of Chemistry topic ASSESSMENT	7. Therapy Week Catch up on missed opportunities/ topic details.
	Notes/Links/Interleaving			Additional Higher Content					Notes/Links/Interleaving		Additional Higher Content -Balanced Symbol equations ext. -Writing chemical formula for common compounds				
	Spring 1 – ‘The Circle of Life’								Spring 2 – ‘Conflict’						
	Subject Area Topic: The Human Body & Genetics								Subject Area Topic: Reactions - Acids, Disease & Medicine						
	1. -Electrical components -Electrical charge -Measuring voltage	2. Resistance - Component characteristics	3. -Reproduction -Sexual / asexual -Meiosis -menstrual cycle	4. -Controlling fertility -Abiotic and biotic factors	5. -Carbon cycle -Water cycle -Global warming - Deforestation CHECK POINT	6. Therapy Week + Catch up -Maintaining ecosystems biodiversity	NA	1. -Acids bases -Reactions of acids -Reactivity series	2. -Reactions of metals -Electrolysis	3. Communicable diseases -Bacterial diseases -Viral diseases	4. -Fungal and protist diseases -Fighting diseases ASSESSMENT	5 - Therapy Week + catch up Vaccinations			
	Notes/Links/Interleaving -Genetic diagrams -Family Tree and genetic screening			Additional Higher Content -Embryo screening -Classification changes					Notes/Links/Interleaving		Interaction of different diseases Artificial hearts + valves				

	Summer 1 – ‘Health & Leisure’							Summer 2 – ‘Crime & Punishment’ (CSI Themed curriculum)						
	Subject Area Topic: Digestion, Circulation, Nervous System, Exercise							Subject Area Topic: Physics - Separation, Light, Laws, Forces						
	1. -Enzymes - digestion Organs involved in digestion.	2. -Homeostasis -Endocrine system	3. -Health and diseases -Cancer -Risks in non-communicable diseases	4. -Antibiotic Resistant bacteria. - Developing drugs	5. -Finite and renewable resources -Recycling -Life cycle assessments.	6. CHECK POINT	7. Therapy Week	1. -Pure and impure -Formulations -Chromatography -	2. -Tests for gases -Food tests	3. - Electromagnetic waves. -Refraction and reflection of light	4. -Stopping and thinking distance -Braking distance -Reaction times	5. -Newtons 1 st law -Newtons 2 nd law	6. Assessment -Newtons 3 rd law - Acceleration	7. Therapy week- catch up Elasticity and investigating springs
	Notes/Links/Interleaving		Additional Higher Content -Antibiotic resistant bacteria					Notes/Links/Interleaving			Additional Higher Content Uniform acceleration Reaction time equation calculation			