

Year 7 – SCIENCE Programme of Study

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Teacher 1	Skills 7	Energy 7	Forces 7	Electromagnets 7	Waves 7	Weather 7
		Energy Costs & Energy Transfer	Gravity & Non-contact forces	Series Circuits & Resistance	Sound	
	Unit of experiments looking at particular skills, tailored towards the required practical demand at KS4 (includes Maths in Science).	Describe how energy is transferred between different stores. Calculate energy costs.	Define what a force is & describe the effect of a resultant force.	Draw circuit symbols, recall what current is and how it behaves in a series circuit. Describe what resistance is.	Define what a wave is & describe features of waves. Identify a sound wave as longitudinal.	Describe different types of weather and its effect on the human body.
Assessment	Skills/Energy mini-test		Forces/Reactions mini-test		Summer term test	
Teacher 2	Matter 7	Organisms 7	Reactions 7	Genes 7	Ecosystem 7	Earth 7
	Particle Model & Separating Materials	Cells, Tissues & Organs	Acids & Alkalis	Human Reproduction & Variation	Interdependence	Earth Structure, Rocks & Ores
	Identifying properties of solids, liquids & gases. Investigate separation techniques (filtration, distillation, evaporation, chromatography).	State the differences between plant & animal cells. Use a microscope. Linking tissues, organs & organ systems.	Describe the difference between chemical and physical changes. Recall the pH scale. Investigate acid-base reactivity and reactions of metals with water & acids.	Describe reproductive systems, sexual reproduction & species variation. Distinguish between continuous & discontinuous variation.	.Draw food chains & webs. Define bioaccumulation. Explain predator-prey relationships. Identify how pollination & seed dispersal occur.	Describe how metamorphic, sedimentary & igneous rocks form. Describe the structure of the Earth.
Assessment		Autumn term test		Spring term test		

Biology

Chemistry

Physics