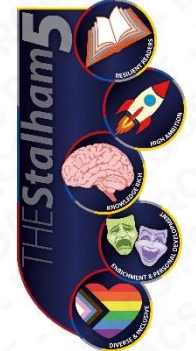




Subject: Science

Year: 8

Half -Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Themes/ Content/ Units covered 	Getting the energy your body needs Skeletal system and muscles Respiration and breathing Explaining physical changes Particle model and states of matter Changes of state and heating effects Density, pressure and diffusion Conservation of mass and chemical reactions	Exploring contact and non-contact forces Magnetism and electrostatic forces Gravity and its effects Pressure and upthrust	Looking at plants and ecosystems Plant biology Ecosystems Environmental interactions and interdependence Water and nutrient transport Bioaccumulation Extremophiles Testing a leaf for starch	Explaining chemical changes Acid, base, alkali Indicators Neutralisation Combustion Acids and metal reactions	Magnetism and electricity The history of magnetism Magnetic fields Electromagnets	Magnetism and electricity (cont.) Charge and batteries Series and parallel circuits STEM Suncream investigation project Teamwork and presentation skills Problem solving Design an investigation