

Science – KS3 Curriculum Summary (2023-2024)



	Autumn	Spring	Summer
Year 7 Foundations for Secondary Science	<p>Introduction to KS3 Science curriculum, building on KS2 and introducing practical skills. Topics taught: Cells, Microscopes Particle Model, Pure and Impure Substances and Reproduction</p> <p>Maths Skills gained</p> <ul style="list-style-type: none"> Calculating a mean Drawing graphs Data collection Data analysis <p>Lab skills</p> <ul style="list-style-type: none"> Laboratory safety Identifying and using chemical apparatus Using microscopes 	<p>Topics Taught with interleaving to earlier concepts: Skeleton, Waves, Light and Atoms, Elements and Compounds</p> <p>Maths Skills gained - revisiting</p> <ul style="list-style-type: none"> Calculating a mean Drawing graphs Data collection Data analysis 	<p>Health and Diseases Acids and Alkali Ecology</p> <p>Maths Skills gained and revisiting</p> <ul style="list-style-type: none"> Calculating accumulation of toxic chemicals Data collection and analysis Drawing a graph <p>Lab skills revisiting</p> <ul style="list-style-type: none"> Laboratory safety Identifying and using chemical apparatus
Year 8 Preparation for GCSE Knowledge and Skills Development	<p>Space Nutrition and Digestion Inheritance, Chromosomes, DNA and genes Earth and Atmosphere</p> <p>Maths Skills gained and revisiting</p> <ul style="list-style-type: none"> Calculating a mean, Drawing graphs Speed & distance calculations Interpreting data BER calculations Data collection and graphs 	<p>Periodic Table Energy Static Electricity Cellular Respiration Pressure in Fluids</p> <p>Maths Skills gained and revisiting</p> <ul style="list-style-type: none"> Data collection Data analysis Drawing a graph 	<p>Materials Current Electricity Photosynthesis Gas Exchange Forces and Motion</p> <p>Maths Skills gained and revisiting</p> <ul style="list-style-type: none"> Data collection Data analysis Drawing speed /time graph