

Key Stage 3 Curriculum Overview

Year Group	Term 1	Term 2	Term 3
Year 7	Atoms & Particles <ul style="list-style-type: none"> • Elements • Compounds • Mixtures • Atomic structure • States of matter • Particle model • Diffusion 	Earth & Materials <ul style="list-style-type: none"> • Natural and synthetic materials • Structure of the Earth • The rock cycle • Earth's atmosphere • Carbon cycle • Global warming 	Chemical Processes <ul style="list-style-type: none"> • Periodic Table • Formulae • Word & symbol equations • Conservation of mass Separating Mixtures <ul style="list-style-type: none"> • Filtration • Evaporation • Distillation • Chromatography
Year 8	Chemical Reactions <ul style="list-style-type: none"> • Chemical bonds • Reactions of acids • Reactivity • Displacement 	Acids & Alkalis <ul style="list-style-type: none"> • Acids & alkalis • Indicators • Reactions of acids • Neutralisation Rates of Reaction <ul style="list-style-type: none"> • Collision theory • Increasing the rate of reactions • Exothermic & endothermic reactions 	Testing for Gases <ul style="list-style-type: none"> • Hydrogen • Oxygen • Chlorine • Carbon dioxide • Combustion
Year 9	Atomic Structure <ul style="list-style-type: none"> • Elements • Compounds • Mixtures • Atomic structure • Development of atomic model 	Periodic Table <ul style="list-style-type: none"> • Using the Periodic Table • Development of the Periodic Table • Groups 1, 7 & 0 	Bonding, Structure & Properties <ul style="list-style-type: none"> • States of matter • Chemical bonds • Chemical properties