



Achievement Cycle Overview

Curriculum: Science

***Excellence.
No Excuses.***

Year	AC1	AC2	AC3	AC4
7	Topic Overview: <ul style="list-style-type: none"> • Particle Model • Particulate Nature of Matter • Energy in Matter • Atoms, Elements and Compounds • Physical Changes 	Topic Overview: <ul style="list-style-type: none"> • Chemical Reactions • Energetics • Photosynthesis • Respiration 	Topic Overview: <ul style="list-style-type: none"> • Cells and Organisation • Nutrition and Digestion 	Topic Overview: <ul style="list-style-type: none"> • Gas Exchange • Earth and Atmosphere
8	Topic Overview: <ul style="list-style-type: none"> • Forces • Balanced Forces • Forces and Motion • Describing Motion 	Topic Overview: <ul style="list-style-type: none"> • Pressure • Skeletal and Muscular System • The Periodic Table • Materials 	Topic Overview: <ul style="list-style-type: none"> • Pure and Impure Substances • Current Electricity • Static Electricity 	Topic Overview: <ul style="list-style-type: none"> • Relationships in an Ecosystem • Magnetism • Space Physics
9	Topic Overview: <ul style="list-style-type: none"> • Energy Changes and Transfers • Energy Changes in Systems • Calculation of fuel uses and costs in the domestic context • (Recap: Chemical Energetics) • Metabolism 	Topic Overview: <ul style="list-style-type: none"> • Waves • (Recap: Earth's Atmosphere) • History of the Atmosphere 	Topic Overview: <ul style="list-style-type: none"> • Reproduction • Health • Infection and Response 	Topic Overview: <ul style="list-style-type: none"> • Ecology • Chemical Analysis
10	Topic Overview: <ul style="list-style-type: none"> • Atomic Structure • Cell Processes • <i>Energy Changes and Transfers</i> • <i>Energy Changes in Systems</i> 	Topic Overview: <ul style="list-style-type: none"> • Bonding & Structure • Energy & Electricity • Using Resources 	Topic Overview: <ul style="list-style-type: none"> • Chemical Changes • Homeostasis & Response 	Topic Overview: <ul style="list-style-type: none"> • Rate of Reaction/P.S. • Quantitative Chemistry • <i>History of the Atmosphere</i>
11	Topic Overview: <ul style="list-style-type: none"> • Forces & Motion • Organic Chemistry • <i>Organisation</i> 	Topic Overview: <ul style="list-style-type: none"> • Inheritance, variation and evolution • <i>Waves</i> • <i>Infection and Response</i> 	Topic Overview: <ul style="list-style-type: none"> • <i>Ecology</i> • <i>Chemical Analysis</i> 	Revision