KS3 Science Year 7, 8 & 9

Science Units

Biology	Chemistry	Physics
Year 7 Science		
• Organisms: Plant and animal cells. • Genes: Reproduction in plants and animals. • Organisms: Structure and function of body systems Part 1.	• Matter: Particle Model, Separating Mixtures, Atoms and the periodic table. • Reactions: Metals and Non-metals, Acids and Alkalis. • Earth: Earth Structure.	• Forces: types of forces, balanced and unbalanced forces. • Waves: Sounds and Light • Earth and Space: Solar system, hemispheres, day, and night. • Matter: density and diffusion
Year 8 Science		
• Organisms: Structure and function of body systems Part 2. • Health and Lifestyle. • Genes: Reproduction, variation and natural selection. • Ecosystems: Ecosystems, sampling techniques and competition.	• Matter: Particles and equations, Atoms and the periodic table. • Reactions: Types of reaction, Acids and Alkalis and Speeding up reactions. • Earth: Climate and Earths resources.	• Electricity and Magnetism: Magnets and electromagnets, electricity. • Energy: useful and wasted energy, energy resources, energy transfer. • Motion and Pressure: Speed, motion graphs and pressure.
Year 9 Science		
• Ecosystems: Photosynthesis and respiration. • Genes: Genetics and Inheritance. • Organisms: Cell Biology and organisation	• Matter: Atoms and the periodic table, Equations and Particles. • Earth: Purifying resources. • Reactions: Acids and alkalis.	• Forces and motion: speed, acceleration, and forces. • Energy: energy stores, energy transfers work and power and efficiency. • Matter: Particle model of matter. • Atomic structure. • Energy resources.

Assessment Overview

- Mid-point and Endpoint Check-it's will be completed for each unit.
- End of term assessments will be completed to cover all previous work.
- Assessment questions will be a mixture of different question styles, including multiple-choice questions, short answer questions, calculations and extended open-response questions.
- Calculators may be used in all of the science assessments