



SCIENCE
Mrs L Simpson

Faculty of Science PT:

Course Content

In all S3 science courses, pupils develop knowledge and understanding of science and its applications in the world around us. They develop problem solving, investigative and experimental skills, and understanding of the “big questions” in science.

Each course has three units.

Biology

- Cells** Pupils learn about cells, enzymes and cell reactions, genes and inheritance.
- Body in action** Pupils investigate how our body systems work together to keep us alive and active
- Life on Earth** Pupils learn about ecosystems, biodiversity and how animals adapt to survive in their environment

Chemistry

- Chemical changes** Pupils learn more about atoms and molecules, controlling chemical reactions and using acids and alkalis
- Nature’s chemistry** Pupils learn about the fossil fuels and the oil industry, biofuels, and how we use plants to make useful consumer products
- Chemistry at work** Pupils investigate how we make and use metals, plastics and fertilisers, and develop skills in chemical analysis

Physics

- Waves** Pupils learn about using and recording sound waves, and investigate electromagnetic waves beyond the visible spectrum
- Electricity** Pupils learn about series and parallel circuits, and develop skills in using electronic components in practical electronic circuits
- Space** Pupil investigate how our knowledge of the Universe has evolved over time