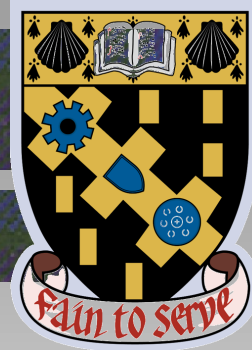


Science

Broad General Education S1-S3



Biology

In S1 you will develop an understanding of the structure and function of a variety of cells, gaining practical experience of using a microscope and preparing slides. You will study the process of fertilisation and embryonic development and learn about the importance of DNA and variation amongst living organisms. You will learn about biodiversity and will gain experience in sampling the environment and identification of organisms in their habitat. In S2 learners will explore different body systems and develop the skills of using technology to collect physiological data. In S3 learners will enhance their knowledge, analytical thinking, and practical skills as they gain a deeper understanding of cellular biology and cellular processes. In S3 assessment

Chemistry

In S1 you will investigate the properties of matter, atoms and elements. You will explore the periodic table and learn about the chemical properties of different groups of elements. You will develop your practical laboratory skills while observing various chemical reactions. In S2 you will explore the properties of acids and bases, carrying out neutralisation reactions and develop skills in writing chemical equations. In S3 learners will enhance their knowledge, analytical thinking, and practical skills as they gain a deeper understanding of chemical changes and atomic structure. In S3 assessment evidence will be gathered at level 4 and 5.

Physics

In S1 you will develop an understanding of the transfer of heat and the kinetic theory of matter. You will study forces and gain experience of measuring and observing different forces in action. In S2 learners will explore the properties of light and gain insight into the electromagnetic spectrum. Learners will study electricity and gain practical experience of building circuits. In S3 learners will enhance their knowledge, analytical thinking, and practical skills as they gain a deeper understanding of dynamics and the properties of matter. In S3 assessment evidence will be gathered at level 4 and 5.

Aspire, Attain, Achieve