

Year 13



Forensic Evidence, Collection and Analysis:

Understand how to gather forensic evidence, the integrity to forensic investigation and the importance of health and safety, Investigate a simulated crime scene using forensic procedures, Conduct scientific analysis of physical, biological and chemical evidence methods, interpret findings and report on conclusions of forensic techniques and analysis.

Medical Physics Applications

Explore the principles of non-ionising instrumentation techniques in medical applications, Explore the principles, production, uses and benefits of ionising instrumentation techniques in medical applications & Understand health and safety, associated risks, side effects and limitations of ionising and non-ionising instrumentation.

Diseases and Infection

In this unit you will investigate different types of diseases and infections that can affect humans, examine the transmission of infectious diseases and how this can be prevented, and how infectious diseases can be treated and managed.

Biological Molecules and Metabolic Pathways

Understand the structure & function of biological molecules and their importance in biochemical processes. Explore the effect of activity on respiration and factors that can affect respiratory pathways.

Contemporary Issues in Science

Demonstrate knowledge and understanding of contemporary scientific issues. Make valid judgements based on interpretation, analysis and evaluation of different sources of scientific information. Apply and synthesise scientific ideas from several sources and adapt to other real-life scenarios

Investigative Project

In this unit students will undertake a literature search and review to produce an investigative project proposal. Produce a plan for an investigative project based on the proposal.

Principles and Applications of Science II

Students will learn about the properties and uses of substances, Organs and systems, Thermal physics and materials and fluids.