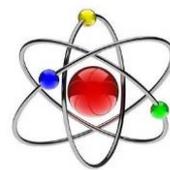


Combined Science Trilogy

AQA GCSE Specification



Penwortham Girls'
High School

Introduction:

Science is a set of ideas about the material world. This course encourages the development of knowledge and understanding in science through opportunities for working scientifically. Working scientifically is the sum of all the activities that scientists do which include development of scientific thinking, experimental skills and strategies, analysis and evaluation of methods or data and having the ability to use scientific vocabulary, quantities, units, symbols and nomenclature in an effective way.

Description of the course:

This course is designed to be studied over 2 years and assessed at the end of year 11 by 100% exam. It is Combined Science and is worth 2 GCSEs. Practical work is at the heart of science, so it is placed at the heart of this specification. Questions in the written exams will draw on the knowledge and understanding students have gained by carrying out the practical activities. There are a minimum of 21 required practical tasks that the students will need to complete in this course.

How you will learn:

Pupils will develop their scientific understanding and practical skills through focused classroom activities, which will involve talking about, reading and writing about science plus the actual doing, as well as representing science in its many forms both mathematically and visually through models. This will be re-enforced by homework tasks and examination practice.

Assessment

There are six papers: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas. Each of the papers are 1.5 hours in length and each worth 16.7% of the GCSE.

Using this qualification:

Progression routes for this course can be 'A' level Science, or related engineering or sports qualifications leading onto degrees. The qualification also supports pupils looking to go into Science or engineering based apprenticeships or applied Science A-Levels. Potential career options beyond this could include Doctor, Pharmacist, Marine Biologist, Structural engineer, Chemical engineer and a whole other range of STEM disciplines.

Subject Leader: Mrs. R. Honeyman