

APPLIED SCIENCES

BTEC Level 3 Extended Diploma



Why Study this course?

- You want a future career in Science
- You want to develop a high level of practical laboratory skills
- You want to study a range of topics across Biology, Chemistry and Physics
- You want to enhance your theoretical knowledge
- You want to develop skills needed for scientific investigation



Career Progression

- Scientific careers such as Quality Control Analyst, working in hospitals as a Medical Physics Technician, research laboratories in the development of new drugs.
- University degrees and Apprenticeships
- Nursing, Physiotherapy, Nutritional Science, Analytical Science/ Lab technician

What You'll Study

Over the two-year course you will develop a range of practical skills with specific focus in techniques such as titration, calorimetry and chromatography. An example of some of the topics included in Applied Science are as follows:

- Periodicity and properties of elements
- Structure and function of cells and tissues
- Waves and communication

Assessment:

- Year 1: Coursework (4 practical assignments)
- Year 1: 3 x 40 minute exams (Biology, Chemistry & Physics)

You will cover the stages involved and the skills needed in planning a scientific investigation: how to record, interpret, draw scientific conclusions and evaluate in greater detail using from variety of different subject areas such as, the action of enzymes, the energy content in fuels and electrical circuits.

Unit 8: The final topic assessed by coursework in Physiology of Human Body Systems.

Assessment:

- Year 2: Practical exam
- Year 2: Coursework assignments on Physiology of Human Body Systems



To find out more you can visit our website:
www.parrswood.manchester.sch.uk/sixthform