



Prince Henry's
Grammar School

SIXTH FORM

TVQ Applied General Science

Course Leader: Mrs V Moss

Why Study Applied Science?

The Level 3 Extended Certificate in Applied Science is a course that is designed to allow students to continue to study Biology, Chemistry and Physics without having to choose between them. It is an excellent extension for students who want to continue studying a general science course without choosing A Levels in Biology, Chemistry or Physics.



Course Content and Assessment

The Level 3 Extended Certificate in Applied Science consists of 6 units studied over the two years. Each unit is worth 16.7% of the total mark. The units are set in the context of how science is used in the world around us and especially the workplace.

The units are assessed by both an external exam and internal assessment of portfolios produced.

- **Unit 1** – Key Concepts in Science. An **examined** unit consisting of questions in Biology, Chemistry and Physics.
- **Unit 2** – Applied Experimental Techniques. A **portfolio** unit consisting of your report of 6 experiments carried out in the lab.
- **Unit 3** – Science in the Modern World. An **examined** unit where you will analyse and evaluate scientific information to develop critical thinking skills and understand the use of media to communicate scientific ideas and theories.

It is possible for students to study the one-year certificate course only.

- **Unit 4** – The Human Body. An **examined** unit including questions on the digestive system, musculoskeletal system, nervous system and oxygen transport.
- **Unit 5** – Investigating Science. A **portfolio** unit consisting of your report on an extended investigation with Chemistry.
- **Unit 6** – Medical Physics **or** Microbiology. A **portfolio** unit consisting of your report on use of Physics/Microbiology in medicine. (the choice of unit will depend on staff specialism available for the timetable in year 13)

The final grade will be reported as a Pass, Merit, Distinction or Distinction*. Students must gain at least a pass in every unit to pass the course overall.

Progression Routes

Applied Science is a good choice for students considering Higher Education in any general science based course or employment within a science based industry.

Entry Requirements

At least grade 5,4 in GCSE Trilogy Science or at least one grade 5 in either GCSE Biology, Chemistry or Physics and preferably a grade 4 in **both** GCSE English and GCSE Mathematics.