

## **Applied Science (BTEC)**

- Learners will study strands of all 3 science subjects
- **Full Time (15 hrs)** Extended Diploma equivalent to **3 A-Levels**



## ***KS5 - Year 12 Course Content***

Key Stage Five Information  
/ KS5 Coursework / Projects

Some of the areas you cover may include:

- Principles and Applications of Science I, II, and III
- Practical Scientific Procedures and Techniques
- Science Investigation Skills
- Laboratory Techniques and their Application
- Investigative Project
- Contemporary Issues in Science
- Physiology of Human Body Systems
- Human Regulation and Reproduction
- Biological Molecules and Metabolic Pathways
- Genetics and Genetic Engineering

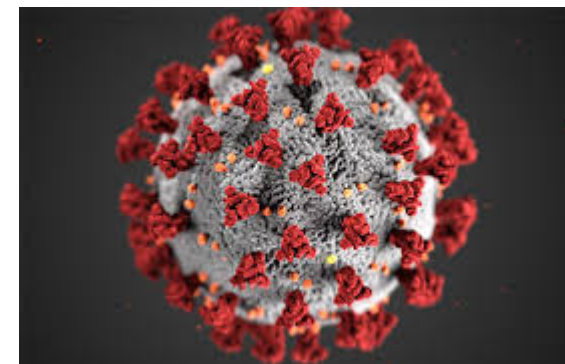


## *KS5 - Year 13 Course Content*

Key Stage Five Information  
/ KS5 Coursework / Projects

Some of the areas you cover may include

- Diseases and Infections
- Applications of Inorganic Chemistry
- Applications of Organic Chemistry
- Electrical Circuits and their Applications
- Industrial Chemical Reactions
- Practical Chemical Analysis
- Biomedical Science
- Medical Physics Applications
- Forensic Evidence, Collection and Analysis
- Cryogenics and Vacuum Technology
- Forensic Fire Investigation
- Forensic Traffic Collision Investigation



## ***KS5 – Destinations***

### **University**

Possible progression examples of career pathways – University/Apprenticeship/Work

You will be ready for a wide variety of degrees in the science sector leading to some exciting career opportunities. For example, you may wish to study a degree in Biomedical Engineering, Chemistry, Environmental Science, Health Sciences, Biomedical Sciences, and many more. Make sure you check the entry requirements for degree programmes, as they can vary.

### **Employment**

- Chemist
- Forensic Scientist
- Medical Scientist
- Occupational Therapist
- Biologist
- Physiotherapist



Any Questions?

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