

## Overview

Mendip Studio School students will follow a triple science programme with GCSEs in Biology, Chemistry and Physics.

This course provides suitable qualifications for progression to courses and careers in Science, Technology and Engineering.

## The Separate Sciences

GCSEs in Biology, Chemistry and Physics are delivered by specialist staff and link to project work in Mendip's Research & Development, as well as our broad range of industry partners.

The courses include development of a deeper understanding of science in each subject, coupled with practical application of scientific understanding of the key concepts covered.

## Assessment method

### Examinations: 100%

There are two terminal examinations for each subject (six in total). Each paper lasts 1.30 hours.

The examinations include questions on the required practicals as well questions assessing scientific understanding through the topics in Biology, Chemistry and Physics.

## The value of Science

GCSE Separate Sciences underpin all science and technology subjects that students will study at GCSE and beyond. The course is a perfect foundation for further study in Sixth Form of STEM subjects as well as University and higher apprenticeships.

Scientific literacy is valued by employers across a wide range of sectors and the three separate sciences provide the broad science base needed for careers as diverse as healthcare and engineering.

## For more information contact

Mr Simon Pugh-Jones  
[spugh-jones@mendipstudioschool.org.uk](mailto:spugh-jones@mendipstudioschool.org.uk)

## Futures

Future career paths may include:

Health care, medical sciences, engineering, chemical engineering, pure sciences, forensic science, and environmental science

## Exam board



## Overview

Level 2 BTEC in Enterprise with a STEM focus is an applied learning course that makes use of Mendip Studio School's extensive links with industry. This allows students to deepen their understanding of enterprise through developing their own micro-enterprises and visiting local entrepreneurs.

Students work independently and creatively to apply STEM knowledge in an enterprise context.

As such, this suits learners with an interest in science, technology and business.

## Assessment method

### **Examinations: 33%**

One examination focuses on enterprise, finance and marketing.

### **Portfolio: 67%**

Unit 1 is based around visits to local STEM enterprises.

Unit 2 is based around students own enterprise ideas and experience.

## Course overview

Work alongside practising entrepreneurs in their own projects.

The course allows students to bring their own interests, to develop these and their expertise throughout their learning.

## The value of STEM Enterprise

STEM Enterprise develops a range of transferable skills as well as an understanding of the application of STEM in an enterprise context.

Portfolio work is supported by assessed presentations which develop communication and numeracy skills, as well as team working and leadership skills.

## For more information contact

Mr Simon Pugh-Jones  
[spugh-jones@mendipstudioschool.org.uk](mailto:spugh-jones@mendipstudioschool.org.uk)

## Futures

This course provides a platform for a wide range of level 3 courses in science, technology and business.

The transferable skills developed through this course will help students in future careers and further study in areas ranging widely including Healthcare, Engineering and Business.

## Exam board



## Overview

The Applied Human Biology BTEC Level 3 is an Extended Certificate, worth one A Level. This brand new Mendip offer includes in-depth development of scientific understanding in:

- Principles of Applied Human Anatomy
- Practical microbiology & Infectious Diseases
- Human Biology
- Diseases, disorders, treatments and therapies
- Genetics and genetic engineering
- Biomedical Sciences

## Course overview

**Assessment of the course made through both examination and coursework:**

**Examinations: 58%**

Applied Human Biology and Health Issues

**Coursework Assignment: 42%**

## Assessment method

**Examinations: 58%**

**Coursework Assignment: 42%**

This ensures rigorous coverage of key concepts, and the ability for students to show the depth of their understanding through portfolio work.

## Additional information

This course makes full use of Mendip Studio School's extensive industry links allowing students to base their coursework on workplace practice and applied learning through visits and visitors.

**This subject must be taken in combination with Medical Science, as a double award option.**

## For more information contact

Mr Simon Pugh-Jones

[spugh-jones@mendipstudioschool.org.uk](mailto:spugh-jones@mendipstudioschool.org.uk)

## Futures

The health sector in the UK currently has more than 100,000 vacancies and this course equips learners with the tools to develop a range of careers in this sector, including Occupational Therapy, Nursing, clinical biomedical sciences, radiography and Midwifery

## Exam board



## Overview

BTEC Level 3 Extended Certificate in Applied Science are applied learning equivalents to A-levels and ideal for learners looking to broaden their knowledge and understanding of science and its application.

The course was developed with the support of Higher Education and has equivalency to A Levels for university entry.

Level 3 Applied Science can be taken alongside other qualifications to support courses in technology or healthcare.

## Assessment method

### Examinations: 50%

Three units have external examinations lasting 1.30 hours

### Portfolio: 50%

Three units have coursework largely based around experimental investigations and linked to our partners in industry.

## Course overview

At Mendip Studio School, the Applied Science curriculum makes full use of our extensive industry links allowing learners to apply experience gained, from working alongside practising scientists, in their own investigations.

## The value of Applied Science

Applied Science provides a broad base of learning relevant to all aspects of future life. The applied nature of the course allows real life situations and problems to be explored, developing research, practical and analytical skills. These skills are desirable in most future paths.

## For more information contact

Mr Simon Pugh-Jones  
[spugh-jones@mendipstudioschool.org.uk](mailto:spugh-jones@mendipstudioschool.org.uk)

## Futures

Future career paths many of previous students have included:

Health care, medical sciences, engineering, chemical engineering, pure sciences, forensic science, and environmental science

## Exam board

