

Medical Science

Qualification: Level 3 Applied Diploma in Medical Science

Additional Entry Information:

Speak to **Mrs E Mitchell** or **Ms F Braund** for more information.

What do students need to know or be able to do before taking the course?

This diploma is for students who have already enjoyed and been successful in science. There are three externally assessed units and three internally assessed units (course work). Parts of the externally assessed units, although obviously more demanding than GCSE, will have a similar format to GCSE i.e. a mixture of recall, data analysis and application of knowledge in new situations. However, parts of the externally assessed units will require pupils to engage with pre-release articles before the examination and engage with stimulus material such as photographs, graphs and written information.

What will students learn on this course (skills and course content)?

This qualification provides students with the knowledge and skills to support progress to higher education or employment in areas of medical science. Six units are completed covering:

- Unit 1 - Human health and disease
- Unit 2 - Physiological measurement techniques
- Unit 3 - Medical Science research methods
- Unit 4 - Medicines and treatment of disease
- Unit 5 - Clinical laboratory techniques
- Unit 6 - Medical case study

What sort of student is this course suitable for?

As there are three internally assessed units making up 50% of the total assessment, students need to be able to manage their time and meet internal deadlines as well as revising for examinations

Examples of Topics you may be interested in: Human Biology, how lifestyle affects health, ethical issues associated with healthcare, methods used to diagnose disease



What kind of work will students need to be able to do outside of lessons?

Pupils will be expected to research topics for the course work components, prepare presentations and may have to complete practical investigations in their own time. The course information suggests that visits to and work experience with health establishments e.g. hospital departments, opticians, GP surgeries, health centres, leisure centres or private gyms, would be beneficial.

What is the course content and how is this assessed?

- Unit 1 - Externally assessed examination (with pre-release material)
- Unit 2 - Controlled assessment (Also assessed synoptically in unit 1 and 6 exams)
- Unit 3 - Controlled assessment (Also assessed synoptically in unit 1 and 6 exams)
- Unit 4 - Controlled assessment (Also assessed synoptically in unit 6 exam)
- Unit 5 - Externally assessed assignment provided by WJEC
- Unit 6 - Externally assessed synoptic examination (with pre-release material)

What could students go on to do at the end of this course?

This course is intended for students who are interested in careers related to healthcare services and medical research.