Medical Science

# Course Overview

* **Exam Board** – WJEC
* **Usual Age Range** – 16 to 19
* **Qualification** – One Diploma which is equivalent to one A-level studied over the two-year course. Some students studying Medical Science aiming for a career in medicine may study Medical Science as a fourth subject and complete the Certificate equivalent to one AS-level in one year. Please note that students wishing to study medicine at university must study three A-levels in addition to this course.
* **Curriculum Time** – Six 50-minute lessons per week in class plus work in Independent Learning Time
* **Assessment** – this curriculum is assessed via:
* One 2-hour examination taken at the end of the two-year course
* One 1-hour-30-minute examination taken at the end of the first-year of the course
* Three non-examination assessment tasks set by the examination board
* One externally assessed assignment
* **Grading** – Reformed six-point scale of A\*, A, B, C, D, E.
* **Full specification** - <https://www.wjec.co.uk/media/kbwp3f2u/level-3-diploma-in-medical-science-specification-2018.pdf>

# Curriculum Intent

The **intent** of the Medical Science curriculum is to give UTC students an opportunity to develop their understanding of the principles of human physiology and the normal function of the human body as well as how disease occurs but can also be prevented. The intent is to ensure students have useful knowledge, understanding and skills that can be applied to healthcare, medical science and clinical research scenarios in their future career and of particular use to students considering entering a healthcare science career.

The further intent of the Curriculum is to give students useful technical skills related to medical science such as the ability to use physiological measurement equipment, conduct clinical laboratory tests and accurately record and present results.

Students are encouraged to develop their **love of reading** when studying Medical Science. There are many instances whereby students need to read and comprehend scientific texts which they will need to evaluate and draw inferences from.

Students are encouraged to develop their **numeracy** on this course by learning and practising methods of recording and processing data that is included in reports and assignments.

Suggested next step **destinations** after completion include healthcare science apprenticeships or university courses which involve clinical and healthcare science.

Related **careers** include working in biomedical science, life sciences, and physiology.

Study Tips

Students will benefit additional study of using:

* WJEC Digital Resources – <https://resources.wjec.co.uk/Pages/ResourceByArgs.aspx?subId=59&lvlId=7>
* Seneca – <https://senecalearning.com/en-GB/blog/a-level-biology-revision/>
* Study Guide <https://ncbradford.ac.uk/wp-content/uploads/2019/09/WJEC-Medical-Science-SIL-Y11-12.pdf>
* Practice Assessments and papers - <https://www.wjec.co.uk/qualifications/medical-science-level-3/#tab_pastpapers>
* *Note – some of these resources are for A level Biology, but are very useful for preparing for the Medical Science course*

Some other useful websites:

* Useful and informative YouTube videos - <https://www.youtube.com/playlist?list=PLkocNW0BSuEEMyVUCyaRPVj_cahCvjxAr>
* Concise notes - <https://www.savemyexams.co.uk/a-level-biology-cie/revision-notes/>

# Curriculum Overview

The learning in Medical Science is sequenced as follows.

*Note: the full Curriculum Plans are available on request to* *info@nefuturesutc.co.uk*

**Year 12:**

**Year 13:**