Technical Pathways

# Course Overview

* **Exam Board** – AQA (where applicable)
* **Usual Age Range** – 14-16
* **Qualification** – AQA Unit Award Scheme : Certificates of Achievement
* **Curriculum Time** – One 50 minute lessons per week in class plus additional work in Independent Learning Time
* **Assessment** – this curriculum is assessed via:
	+ In class assessments
	+ Student work
* **Grading** – 1 to 9 in Computing, Pass / Fail in Med
* **Full specification** – https://www.aqa.org.uk/programmes/unit-award-scheme/about

# Curriculum Intent

The **intent** of the Technical Pathways curriculum is to give UTC students an opportunity to develop their technical skills in both the disciplines of Healthcare Science and Digital Technology.

Students will acquire skills in First Aid, laboratory techniques and physiological measurement techniques. There will be a cross over in-between disciplines whereby both Healthcare Science and Digital Technology students will look at how companies, governments and businesses handle big data especially in Healthcare contexts. In Digital Technology students will be learning about Cyber Security and Safety and developing skills in IT and the world of work.

The further intent of the Curriculum is to give students useful technical skills that can be contextualised around careers and a third discipline will enrich students with a range of skills in the field of careers. Students will learn where and when the skills they have been taught in Digital Technology and Healthcare Science are used in the work place, and how they can progress along a career pathway to their final employment or academic destination in either discipline.

Students are supported and encouraged to develop their **love of reading** and literacy skills on this course, by reading related Digital Technology or Healthcare Science news and articles and by completing regular extended writing activities.

Students are encouraged to develop their **numeracy** on this course by applying the mathematical skills relevant to Computer Science and both record and interpret results of physiological testing in both a laboratory and in practical exercises.

Suggested next step **destinations** after completion include A Level Computer Science, Level 3 Technical IT, L3 Medical Science, A-Levels in all Sciences, and entry on the Extended Project Qualification.

Related **careers** include working as a software developer; cyber security specialist; systems analysis; nursing, healthcare scientist, healthcare assistants, physiotherapist and doctors. This intent of the curriculum is to also provide a good baseline knowledge, skills and understanding for students who undertake an Apprenticeship.

# Curriculum Overview

The learning in the Technical pathways is as follows.

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

**Key Topics**

* Digital Technology : Cyber First and Immersive Labs
* Healthcare Science : First Aid
* Careers

**Year 10: Students will perform a 10 week carousel of each.**

**Year 11: Students will keep careers and retain one of the individual disciplines**

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