Artificial Intelligence Curriculum

Year 10 to Year 13

Our curriculum is designed to develop the skills and knowledge you need to work within the **artificial intelligence** sector. This is how we will **shape your future** so that you can help shape the **future of society**.

GCSE and A Level **Mathematics** and **Further Mathematics**	You will develop your high-end **mathematical skills**, along with **problem solving**, **data analysis**, **probability** and **decision making**.
GCSE and A Level **Computer Science**	You will learn a number of different **programming languages** that are used will AI. You will also develop knowledge **machine learning** and **natural language processing**.
Level 2 and Level 3 **Cyber Security**	You will be learning about **cloud computing**, along will **cyber security**, **network architecture** and **human-computer interaction**.
Level 3 AAQs in **IT** and **Application Development**	You will develop your **programming skills** in a range of languages, along with increasing knowledge of **AI and cyber security**, **creativity** and **problem solving**.
Extra-curricular	Within your employability and enrichment curriculum your will develop **emotional intelligence**, **collaboration** and **intellectual curiosity**.
Cross curricular	All subjects at the UTC teach you **critical thinking**, **collaboration**, **creativity** and **intellectual curiosity**.

SGS BERKELEY GREEN UTC

UTC CYBER GROUP

cisco Networking Academy

Cyber First GOLD AWARD COLLEGE

Academy Trust sgs South Gloucestershire and Stroud College