

WHY CHOOSE GCSE DIGITAL TECHNOLOGY?



The WJEC GCSE in Digital Technology is a great way to dive into the world of digital technology, broaden your skills and knowledge of this subject that we all use. It will help you become an independent, confident and knowledgeable user of digital technologies and open exciting career opportunities for your future.

WHAT WILL I STUDY?

You will study a mixture of theoretical and practical content, including digital technology systems, data analysis, creating websites, games and social media campaigns. You will:

- **Develop your digital skills** – You'll get hands-on experience with industry standard digital tools and technologies.
- **Solve problems** – Learn how to tackle real-world problems using digital solutions.
- **Use real-life projects** – Engage in exciting projects that let you apply your skills and creativity.

HOW WILL I BE ASSESSED?

Unit 1 – The Digital World

- On-screen examination with a variety of question types
- Duration: 1 hour 30 minutes
- 40% of the qualification | 80 Marks

This unit covers the theoretical aspects of digital technology to support your practical work in units 2 and 3. You'll learn about history, cybersecurity, data management, software, hardware, software applications, robotics and digital footprints.

Unit 2 – Digital Practices

- Assessed through a practical project using a real-life pre-release brief.
- **Duration:** undertaken in class under supervision from your teacher.
- **Format:** two main sections:
 - **Section A** data analysis using spreadsheets
 - **Section B** designing and creating a website, game or animation.
- 40% of the qualification | 80 Marks

This unit focuses on you using practical applications. You'll work on projects with a real-life brief involving data analysis, creating your own assets, game or animation creation and website design and creation.

Unit 3 – Communicating in the Digital World

Assessed through a practical project using a real-life pre-release brief.

- Duration undertaken in class under supervision from your teacher.
- **Format:** create digital assets and develop a social media campaign
- 20% of the qualification
- 60 Marks

This unit is about digital marketing, creating assets and using and researching a range of social media platforms. Finally, you will design and develop your own campaign using a real-life brief for a social media platform of your choice.

FIND OUT MORE -TALK TO YOUR TEACHER TODAY!

WHAT SKILLS WILL I DEVELOP?

- **Digital Literacy:** become proficient in using a range of digital technologies and software, enhancing your ability to navigate and utilize digital tools effectively
- **Data Analysis:** You'll learn how to collect, analyse, and interpret data to solve real-world problems. This skill is crucial for making informed decisions based on data insights
- **Website Creation:** You will gain hands-on experience in designing and developing websites, which includes understanding user experience (UX) and user interface (UI) principles
- **Digital Communication:** You'll develop skills in creating and marketing digital content, including using social media platforms to communicate effectively and engage with audiences
- **Problem-Solving:** The course encourages you to apply an iterative approach to design processes, helping you to think critically and creatively to solve problems
- **Understanding Digital Systems:** You'll gain a solid understanding of how digital technology systems work, including both hardware and software components

10 GREAT CAREER OPPORTUNITIES IN DIGITAL TECHNOLOGY

- **Software Developer:** Software developers design, code, and maintain software applications. They need to be innovative and technical, often working on creating new software or improving existing ones.
- **Data Scientist:** Data scientists analyse large sets of data to extract meaningful insights that can guide business decisions. They use statistical modelling and data analysis tools to identify patterns and trends.
- **Information Security Analyst:** With the growing concern about cybersecurity, information security analysts are in high demand. They protect an organization's computer systems and networks from cyber threats.
- **IT Manager:** they coordinate computer-related activities within an organization, including analysing and recommending computer needs, installing and maintaining hardware and software, and securing networks.
- **Computer Network Architect:** These professionals design and build data communication networks, including local area networks (LANs), wide area networks (WANs), and intranets.
- **Technical Support Specialist:** Technical support specialists assist clients with using computers and other devices, managing servers, installing software, and handling technical problems.
- **Web Developer:** Web developers create and maintain websites, ensuring they are functional, user-friendly, and visually appealing. They work with various programming languages and web technologies.
- **Cybersecurity Analyst:** They focus on protecting systems and networks from cyber-attacks. They implement security measures and monitor potential threats.
- **AI and Machine Learning Engineer:** These engineers develop algorithms and models that enable machines to learn and make decisions. They work on cutting-edge technologies like artificial intelligence and machine learning.
- **Game Developer:** Game developers design and create video games, working on everything from concept and storyboarding to coding and testing

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Ready for the world.