

COMPUTING @ KS4

Our intent

**Is to give you the options
that allow you to become
more digitally literate and
prepared for a potential
future career in IT**

YOUR CHOICES

1

GCSE Computer Science

Grade: 9 - 1

Assessment: 2 exams at the end of Year 11

2

BTEC Digital Information Technology

Grade: Level 1 or 2 Pass/ Merit/ Distinction

Assessment - 60% coursework 40% exam

GCSE Computer Science

PAPER 1

Learn how a computer system works.

WORTH 50%

PAPER 2

Learn to solve problems using algorithms.

WORTH 50%

Paper 1

- Systems architecture and the CPU
- Data Representation
- Storage and processing of data
- Networks and the internet
- Network Security
- System Software
- Ethical, legal, cultural and environmental impacts of digital technology



Paper 2



- Search and sort algorithm
- Programming techniques
- Creating robust programs
- Computational logic
- Programming languages and IDE

LOOKING AHEAD

Post 16 - College, Sixth form

Computer Science | IT (Information Technology) | Digital Support Technician apprenticeship | IT Technician apprenticeship

HE - University / Degree Apprenticeship

BSc Computer Science | Digital and Technology Solutions apprenticeship | Internal Audit Data Analytics apprenticeship

CAREERS

Software Engineer

designs, develops, and maintains software applications and systems.

£41,000

Cloud Engineer

builds and manages cloud-based systems for scalability and security.

£49,000

Ethical Hacker

tests security systems by identifying vulnerabilities and risks.

£43,000

BTEC Digital Information Technology

COMPONENT 1

Exploring User Interface Design Principles and project planning techniques.

WORTH 30%

COMPONENT 2

Collecting, Presenting and Interpreting Data.

WORTH 30%

COMPONENT 3

Effective Digital Working Practices.

WORTH 40%

LOOKING AHEAD

Post 16 - College, Sixth form

IT (Information Technology) | Business with Digital Technologies
Digital Production, Design & Development | Creative Media

HE - University / Degree Apprenticeship

Business Studies | Information Technology | Data Science & AI
Digital Media & UX Design | Business Information Systems
Digital & Technology Solutions Degree Apprenticeship

CAREERS

Junior Web Developer

responsible for building and maintaining websites and web applications.

£25,000

UX/UI Designer

focus on creating intuitive and engaging user experiences for digital products.

£38,000

Data Analyst

collect, process, and analyse large datasets to extract meaningful insights that inform business decisions

£44,000