

COMPUTING

Learning Journey

Year 7

1
Half Term

USING ICT

We're learning how to use a computer in school.
We'll learn how to logon, organize your work and send emails.

2
Half Term

E-SAFETY

We're learning about online safety.
We'll learn what a digital footprint is, how to deal with cyberbullying and how to stay safe online.

3
Half Term

GRAPHICS

We're learning how graphics and images work on a computer.
We'll learn about types of graphic, file formats and how to create simple images on the computer.

4
Half Term

HTML WEB DESIGN

We're learning how websites are made.
We'll learn about the HTML code that makes websites and how to create our own websites.

5
Half Term

ALGORITHMS & PROGRAMMING

We're learning about how algorithms can solve problems.
We'll learn how to write instructions and design algorithms so that we can begin computer programming.

6
Half Term

SCRATCH PROGRAMMING

We're learning to program in Scratch.
We'll learn basic programming techniques and use our knowledge from last half term to make simple games.

Year 8

1
Half Term

COMPUTER SYSTEMS

We're learning about what's inside a computer.
We'll learn what the different parts of computer hardware are and what they do.

2
Half Term

PYTHON PROGRAMMING

We're learning to program in Python.
We'll learn basic programming techniques and to make simple programs like quizzes.

3
Half Term

ONLINE DIGITAL LITERACY

We're learning about digital literacy.
We'll learn about social and digital media and how they affect your life.

4
Half Term

IMAGE MANIPULATION

We're learning how to edit bitmap images and photos.
We'll learn how to take images and change them using a variety of techniques.

5
Half Term

DATA REPRESENTATION

We're learning how computers store data in binary.
We'll learn what binary, denary and hexadecimal are and how computers count.

6
Half Term

SCRATCH PROGRAMMING

We're learning more advanced programming skills.
We'll develop the Scratch skills you gained in year 7 and learn to use subroutines and arrays before you make your own games.

Year 9

1
Half Term

DIGITAL IMAGE PREPARATION

We're learning how images are designed, created and stored.
We'll learn how to create moodboards, visualisation diagrams and asset lists.

2
Half Term

DIGITAL IMAGING

We're learning about image editing using Photoshop.
We'll learn to use Photoshop and its different tools to edit images like professionals. We'll learn about image properties like

3
Half Term

WEB DESIGN PROJECT

We're learning to build a website using advanced techniques.
We'll learn to create websites using Adobe Dreamweaver. We'll use the skills from year 7 and 8 to make professional websites.

4
Half Term

PYTHON & DRAWING

We're learning how to use Python code to draw and solve problems.
We'll learn to use Python loops and subroutines to draw images.

5
Half Term

IDEA AWARD

We're learning many digital and enterprise skills.
We'll learn to work independently to earn badges for different topics. You'll gain an award recognised by employers.

6
Half Term

IDEA AWARD

Some of the things we'll learn about are:
Video editing, marketing, online safety, cyber spies and cyber security, digital marketing, gamification techniques and making games.

