

Ashwell Primary School

Computing Curriculum Overview

Computing Science

Information Technology

Digital Literacy

Computing
Systems &
Networks

Programming

Creating Media

Data Handling

Online Safety

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Learning in the EYFS lays the foundations for this subject through the seven areas of learning, shaped by both statutory and non-statutory guidance. Children develop key knowledge, skills, and attitudes through a balance of high quality adult-led and child initiated experiences, ensuring a smooth transition into the subject specific curriculum in Key Stage 1 and beyond. Reception Only: Core units covered throughout the year include: Using a computer, all about instructions, exploring hardware, programming bee-bots and Introduction to data.					
Year 1	Computing systems Improving Mouse Skills Online Safety (1)	Programming 1 Algorithms unplugged Online Safety (2)	Skills Showcase Rocket to the moon Online Safety (3)	Programming 2 Programming Bee-bots Online Safety (4)	Creating media Digital imagery Online Safety (5)	Data handling Introduction to data Online Safety Mop Up
Year 2	Computing systems 1 What is a computer? Online Safety (1)	Programming 1 Algorithms & debugging Online Safety (2)	Computing systems 2 Word processing Online Safety (3)	Programming 2 Programming: MakeCode Online Safety (4)	Creating media Stop motion Online Safety (5)	Data handling International Space Station Online Safety Mop Up
Year 3	Computing systems 1 Networks Online Safety (1)	Programming Programming: Scratch Online Safety (2)	Computing systems 2 Emailing Online Safety (3)	Computing systems 3 Journey inside a computer Online Safety (4)	Creating media Video trailers Online Safety (5)	Data handling Comparison card databases Online Safety Mop Up
Year 4	Computing systems Collaborative Learning Online Safety (1)	Programming 1 Further coding with Scratch Online Safety (2)	Creating media Website design Online Safety (3)	Online Safety (4)	Programming 2 Computational thinking Online Safety (5)	Data handling Investigating weather Online Safety Mop Up
Year 5	Computing systems Search engines Online Safety (1)	Programming 1 Programming music Online Safety (2)	Data handling Mars Rover 1 Online Safety (3)	Programming 2 BBC Micro:bit Online Safety (4)	Creating media Stop motion animation Online Safety (5)	Skills Showcase Mars Rover 2 Online Safety Mop Up
Year 6	Computing systems Bletchley Park and the history of computers Online Safety (1)	Computing systems Exploring Artificial Intelligence (AI) Online Safety (2)	Data handling Big data 1 Online Safety (3)	Programming Exploring Python Online Safety (4)	Data handling Big data 2 Online Safety (5)	Skills Showcase Inventing a product Online Safety Mop Up