

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	Kapow Computing Units are threaded throughout the 7 areas of learning. Skills and knowledge are taught through planned discrete computing lessons and through continuous provision. Children are taught to log on independently with a username and password, use digital cameras independently, recording devices, remote control toys and Bee-Bots. 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: ScratchJr 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)	Skills Showcase HTML 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 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 Artificial Intelligence (AI) Online Safety (2)	Data handling Big data 1 Online Safety (3)	Programming Into to Python Online Safety (4)	Data handling Big data 2 Online Safety (5)	Skills Showcase Inventing a product Online Safety Mop Up