

Curriculum Sequence

Computing

Year Group	Autumn	Spring	Summer
Online Safety (all years)	Digital Citizenship Throughout the year, pupils will focus on fundamental themes such as: self-image and identity; online relationships; online reputation; online bullying; managing online information; health, wellbeing and lifestyle; privacy and security; copyright and ownership.		
Year 5	Computer Systems and Networks - School systems - School networks - Basic software - Being organised - Passwords & Security - Searching & Trust - Collaborative Working - Our Digital World	Data and Information - Flat file database - Paper v digital data - Group, sort and search - Summary data Creating media - Stop Motion - Storyboarding - Team Project	Data and Information - Binary - Text - Transmission – Mars Rover Programming - Micro:Bits - Animation - Variables - Challenges
Year 6	Computer Systems - Codes - Bletchley Park - Famous Faces - Cyber Security & Threats - Collaborative Working & Presentation Programming - Variables - Selection - Iteration - Coding Challenge	Creating Media 3D modelling 2D v 3D - Tools and techniques - Plan and create 3D models SATs preparation - Maths - English - General	Computer Systems and Networks - Internet communications - Reading Data - Wireless Communications - Internet of Things

RESPECT. ENGAGE. ASPIRE.

Year 7	Computing System and Networks • Social Engineering • Phishing & Pharming • Components • Logic • Intelligent Technology • Emerging Technology Creating media • Tools • Copyright • Credibility	Programming • Scratch • Subroutines • Data • Iteration Data and Information • Modelling data • Formatting • Calculations • Cell references • Functions	Programming • Scratch • Decomposition • Subroutines • Variables • Code challenge
Year 8	Ethics • Plagiarism • Collaborative Working Computing System and Networks • Hardware • The Internet • The Web Creating media • Web Development • Branding • Building to a brief • AI & Web design	Data and Information • Binary • Bits • Bytes • Representing numbers Programming • Python • Simple arithmetic • Selection • Iteration	Ethics • The Digital Divide • Legislation • Case Studies • Bias • Class Debate

RESPECT. ENGAGE. ASPIRE.