

Computing Long Term Plan

Key stage 2 Pupils should be taught to:

- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- Use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration
- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 3	Online Safety Purple Mash Unit 3.4 Touch Typing Rising Stars We are Presenters	Online Safety Purple Mash Unit 3.4 touch typing Rising Stars We are Programmers	Online Safety Purple Mash Unit 3.4 touch typing Rising Stars We are bug fixers	Online Safety Purple Mash Unit 3.5 Email	Online Safety Purple Mash Unit 3.7 Simulations	Online Safety Word Processing advance skills
Year 3 Online Safety	Online Safety Assembly Unit 3.2 Purple Mash Online Safety. Lesson 1	Online Safety (In class)	Online Safety Assembly) Fact or Fiction?	Online Safety (In class) Fact or Fiction? Purple Mash Online Safety 3.2	Online Safety Assembly) Appropriate Content and Ratings Purple Mash unit 3.2	Online Safety (In class) Appropriate Online Use

Year 4	Online Safety (1 lesson) Purple Mash 2type Word Processing	Online Safety (1 lesson) Ipads Purple Mash Unit 4.6 Animations Followed by Ipad app, I Can Animate	Online Safety (1 lesson) Art Unit	Online Safety (1 lesson) Ipads Purple Mash unit 4.7 Effective Searching Purple Mash Unit 4.8 Hardware Investigators	Online Safety Microbit	Online Safety Purple Mash Unit 4.3 Spreadsheets
Year 4 Online Safety	Online Safety Assembly Purple Mash unit 4.2 Lesson 1	Online Safety (In class)	Online Safety Assembly) Purple Mash Unit 4.2 Lesson 2	Online Safety (In class) Ch to explore internland Online safety games.	Online Safety Assembly) Purple Mash Unit 4.2 lesson 3	Online Safety (In class) Once Upon a Time Online Read the book to the children.
Year 5	Online Safety Purple Mash Unit 5.1 Coding Purple Mash 2type	Online Safety Purple Mash Unit 5.5 Game Creator Purple Mash 2type	Online Safety Purple Mash 5.4 Databases Purple Mash 2type Powerpoint	Online Safety Microbit	Online Safety Scratch Developing Games http://www.bigbrownbear.co.uk/learntotype/	Online Safety Purple Mash 5.6 Modelling https://www.keyhero.com/free-typing-test/
Year 5 Online Safety	Online Safety Assembly Purple Mash unit 5.2 Lesson 2 part 1 Secure Passwords	Online Safety (In class) Purple Mash unit 5.2 lesson 2 part 2 Altering images	Online Safety Assembly) Purple Mash unit 5.2 lesson 2 Part 3 Appropriate and inappropriate text, images and videos	Online Safety (In class) Vodafone Book Goldilocks Read the picture book to the children and discuss the issues.	Online Safety Assembly) Email and Spam	Online Safety (In class)
Year 6	Online Safety Unit Touch typing practise https://www.keyhero.com/free-typing-test/	Online Safety (1 lesson) Twinkl Kodu unit Touch typing practise www.nitrotype.com	Online Safety (1 lesson) Purple Mash 6.4 Blogging Touch typing practise www.nitrotype.com	Online Safety (1 lesson) Microsoft Excel Touch typing practise www.nitrotype.com	Online Safety (1 lesson) Purple Mash 6.6 Networks Touch typing practise.	Online Safety (1 lesson) Microbit Touch typing practise.
Year 6 Online Safety	Online Safety Assembly	Online Safety (In class)	Online Safety Assembly)	Online Safety (In class)	Online Safety Assembly)	Online Safety (In class)