

## Computing Long Term Plan

### National Curriculum Objectives

- Key stage 1 Pupils should be taught to: understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- Create and debug simple programs
- Use logical reasoning to predict the behaviour of simple programs
- Use technology purposefully to create, organise, store, manipulate and retrieve digital content
- Recognise common uses of information technology beyond school
- Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.

	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 1	Online Safety 1 lesson  Programming Toys	Online Safety 1 lesson  Purple Mash Unit 1.4 Lego Builders	Online Safety 1 lesson  Word Processing	Online Safety 1 lesson  Purple Mash unit 1.5 Maze Explorers	Online Safety 1 lesson  Purple Mash Unit 1.7 Coding	Online Safety 1 lesson  Purple Mash Unit 1.6 Animated Stories
Year 1 Online Safety	Online Safety (In class) Purple Mash Internet Safety and introduction Unit 1.1	Online Safety Assembly	Online Safety Purple Mash unit 1.1 Ask, Think, Check, Tell.	Online Safety Assembly	Online Safety Penguin Pig	Online Safety
Year 2	Online Safety 1 lesson  Purple Mash Unit 2.1 Coding	Online Safety 1 lesson  Purple Mash Unit 2.5 Effective searching	Online Safety 1 lesson  Scratch coding Game Testers	Online Safety 1 lesson  PowerPoint linked to topic	Online Safety 1 lesson  We are Researchers	Online Safety 1 lesson  Purple Mash Unit 2.6 Creating Pictures
Year 2 Online Safety	Online Safety (In class) Lesson 1 Year 1.1 introduction to Purple Mash. Ask, Think, Check, Tell.	Online Safety Assembly  <a href="https://www.childnet.co.uk/resources/smartie-the-penguin">https://www.childnet.co.uk/resources/smartie-the-penguin</a>	Online Safety Purple Mash lesson 1 unit 2.2	Online Safety Assembly	Online Safety (In class)  <a href="https://www.childnet.cdi.com/ufiles/DigiDuck-eBook.pdf">https://www.childnet.cdi.com/ufiles/DigiDuck-eBook.pdf</a>	Online Safety Assembly