COMPUTING Long Term Planning – Summary of YEAR 2 Units

AUTUMN 1	AUTUMN 2
Online Safety • Children will have a good understanding of the importance of keeping their key details, such as passwords, safe and private. • Children will be able to log on with ease and can explain the steps to take to keep your details safe. • Through discussion and role play activities, children will begin to understand when and where to go for help when they encounter safety concerns online. • Children will understand some of the risks that are presented with searching on the internet.	Effective Searching • Children will be able to use 'effective search terms' to search the internet safely for a given purpose. • Children will understand that they need to use carefully chosen words, relevant to their topic, in order to find what they need online. • Children will be able to navigate Google and Google Images in order to find content that they can use for a small research project linked to their Thematic/ Literacy topic and present their ideas via Purple Mash or Google Classroom.

SPRING 1	SPRING 2
Digital Images- Creating a Picture • Children can use a digital program such as 2Paint or Pic Collage (iPads) to create a digital image linked to their Thematic topic. • Children will be able to link their new skills of effective searching to find images online to incorporate into their piece of work. • Children will be able to enhance their photograph taking skills to include real life pictures in their piece of work. • Children will understand that technology can be used in a creative way to enhance and edit images, and create digital art.	Coding • Children will understand the term 'algorithm' as a set of instructions to complete a specific task, and how this impacts their code. • Children will be able to make simple programs using the coding program on Purple Mash for a specific purpose, and debug their own programs (check and solve errors.)

SUMMER 1	SUMMER 2
Spreadsheets • Children will begin to use a digital platform (Purple Mash) to organise data in the form of a simple spreadsheet.	Presenting Ideas • Children will begin to present their own ideas, e.g a simple project around their Thematic/ Science/ English topic and choose a program of their choice. They will be able to use a program within Purple Mash or other such as Microsoft Word or Power Point.