	Programming **(Algorithms, Sequencing and testing code)** **Beebot / Roamer / Probot**		
Computer Science	<u>Programming Toys</u> <mark>AUTUMN TERM</mark> **Understand that programs execute by following precise and unambiguous instructions.** **Create and debug simple programs.** **Use technology purposefully to create digital content.** In this unit about programming toys, children will be introduced to the principles of programming through unplugged tasks and the use of Bee-Bots. They will be introduced to algorithms as a set of step-by-step instructions given to a device, will learn how to debug simple algorithms and how to use logical reasoning to predict how a program will behave.		
	Communication Publishing and collaborating **(Multimedia Word Processing)**		
IT Skills		<u>Word Processing Skills</u> <mark>SUMMER TERM</mark> *Use technology purposefully to create, organise, store, manipulate and retrieve digital content.* *Recognise common uses of information technology beyond school.* This Word Processing Skills unit will teach your class basic typing and word processing skills. Children will learn how to type with two hands, use the shift,	<u>Painting</u> <mark>SPRING TERM</mark> *Use technology purposefully to create, organise, store, manipulate and retrieve digital content.* *Use logical reasoning to predict the behaviour of simple programs.* This Painting unit will teach your class basic painting skills in a painting application on a computer or tablet device. Children will use a simple painting program to paint with different

		space and enter key properly, and edit work by using the backspace, delete and arrow keys. Children will then go on to learn how to use undo and redo and to select and format text. .	colours and brushes, create shapes, fill areas, undo and redo and add text.
Online Safety		*Use technology purposefully to create, organise, store, manipulate and retrieve digital content* *Use technology safely and respectfully* *Recognise common uses of information technology beyond school* This is the first of the PlanIt online safety units and is aimed at teaching basic online safety and digital literacy skills. In this unit, children learn about the potential dangers in the online world and what basic steps we all need to take in order to have positive digital experiences. The first lesson, which is intended to be taught at the start of the school year, focuses on why it is important for children to name their creative work. They go on to learn about using a search engine safely to find pictures. Children learn the SMART rules and look at what information should be kept safe when using the Internet. The lessons then explore the positives and potential negatives of online communication, such as email, and children will develop the skills to recognise potential dangers and act accordingly to keep themselves and others safe	