



Computing Rolling Programme

	Autumn	Spring	Summer
EYFS/ Reception	<p>Little Computers (IT 1, DL 1) Develop mouse and keyboard control using 'Paint'.</p> <p>Activity explaining what is a computer and its peripherals. Children will make their own computer using junk and develop basic computer skills through playing a variety of games.</p>	<p>eSafety Digital Citizenship & Technology (DL) Lv1</p> <p>1.1 eSafety Awareness Raising (Video & Class Discussion)</p>	<p>Junior Explorers (CS 1, 2, 3) Develop programming skills by using Bee-Bots.</p> <p>Children will learn to give sequences of instructions to control Bee-Bots (floor robot). Children will understand that instructions need to be given in a correct order.</p>
Y1/2 A	<p>eSafety Digital Citizenship & Technology (DL) Lv1</p> <p>1.1 eSafety Awareness Raising (Video & Class Discussion)</p> <p>1.2 Sending emails and messages (Maily)</p>	<p>Walking with Dinosaurs (CS 1 and 2) Creating and using an algorithm with Daisy the Dinosaur app</p> <p>By the end of this project, children will fully understand the term algorithm and will be able to use a simple app on an iPad to reinforce this learning.</p>	<p>Young Investigators (IT 1 & DL 2) Develop web skills linked to topic</p> <p>In this apptivity, children will learn how to search on the internet in relation to a specific topic to develop basic web skills. The children will use Thinglink to produce and publish an interactive image.</p>
Y1/2 B	<p>Super Sci-Fi (IT, DL) Create a simple space invaders game</p> <p>This space inspired project starts by children creating a simple space invader game to then creating a game using advanced settings. The children will also learn about mnemonics and create their own interactive quiz as well as bring Neil Armstrong to life retelling his story.</p>	<p>Code-tastic (CS) Use a variety of programming apps and software</p> <p>Introduction to the language of code. Children will use a variety of programming apps/software to give them a practical understanding of how computer programs actually run.</p>	<p>eSafety Digital Citizenship & Technology (DL) Lv1</p> <p>1.3 Introducing on-line life and what it is? Including gaming e.g. Minecraft 1.4 What is Cyber Bullying? 1.5 Stranger Danger</p>

Y3/4 A	<p>My First Program (CS 4,5 IT 3) Using Scratch to create a computer program.</p> <p>This lesson plan will take you through the necessary steps to guide children in creating their very first computer game in Scratch.</p>	<p>eSafety Digital Citizenship & Technology (DL) Lv2</p> <p>2.1 eSafety Awareness Raising (Video & Class Discussion) 2.2 Communicating On-line and images, Social Networking 2.3 Gaming and collaboration 2.4 Cyber Bullying & Report Abuse 2.5 Friend or Foe</p>	<p>Going for Gold (DL 5 IT 3) Create an e-book on healthy lifestyles.</p> <p>Children will create a “My body, My fitness” e-book, which will document each week a personalised “Going for Gold” record.</p>
Y3/4 B	<p>eSafety Digital Citizenship & Technology (DL) Lv2</p> <p>2.1 eSafety Awareness Raising (Video & Class Discussion) 2.2 Communicating On-line and images, Social Networking 2.3 Gaming and collaboration 2.4 Cyber Bullying & Report Abuse 2.5 Friend or Foe 2.6 Copy Right, what is it? 2.7 Passwords & Security (Virus, downloads, pop ups and scams)</p>	<p>We Built This City (CS 4,5,6 and DL 5) Use Minecraft and Toca Builder to create a 3D world.</p> <p>This Apptivity will encourage children to create their own 3D world using Minecraft.</p>	<p>Final score (IT 2, DL 4, 5) Create a newsreport and share work online using google docs.</p> <p>Working in groups, the children will create their own sports news report which they will share and work on together online using iWork or Google Docs.</p>

Y5/6 A	<p>Web Site Designers (CS 7, 8 & IT 3) Design, create and test a website using wordpress.</p> <p>A six-session lesson plan to guide children in creating their own website using free templates from WordPress.</p>	<p>Let's change the world: inventors (IT 3) Create animation and edit in iMovie.</p> <p>This project will culminate with children creating their own animation using I Can Animate. The children will create their own props and sets and will also learn how to edit their final piece in iMovie.</p>	<p>eSafety Digital Citizenship & Technology (DL) Lv3</p> <p>3.1 eSafety Awareness Raising (Video & Class Discussion) 3.2 Communicating On-line and images, Social Networking, Sexting, images and grooming (What are you sharing) 3.3 Gaming and collaboration 3.4 Cyber Bullying & Report Abuse 3.5 Friend or Foe 3.6 Copy Right, what is it? 3.7 Passwords & Security (Virus, downloads, pop ups and scams) 3.8 In App Purchases & Mobiles (iPads, Phones etc)</p>
Y5/6 B	<p>Let's learn a language (CS 4)</p> <p>The aim of this activity is to introduce the children to the world of programming languages, of which there are many. They will experiment with learning some basic Python code using either iPads, PC or Macs.</p>	<p>Digital Citizenship & Technology (DL) Lv3</p> <p>3.1 eSafety Awareness Raising (Video & Class Discussion) 3.2 Communicating On-line and images, Social Networking, Sexting, images and grooming (What are you sharing) 3.3 Gaming and collaboration 3.4 Cyber Bullying & Report Abuse 3.5 Friend or Foe 3.6 Copy Right, what is it? 3.7 Passwords & Security (Virus, downloads, pop ups and scams) 3.8 In App Purchases & Mobiles (iPads, Phones etc)</p>	<p>Young Authors - interactive (IT 2,3 DL 5)</p> <p>During this project, children will develop a story idea in small groups to create a storyboard. The children will then use Book Creator and Brushes to create their own eBook including text, illustrations and audio.</p>