



St Patrick's Computing LTP

Year	Area	Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
Nursery	Computer Science	Explore cause and effect - links to Science (forces).	Explore cause and effect - links to Science (light) - things that light up: buttons and switches		Use technology to play simple games to support learning. Beebots and smartboard.		
	Information Technology			Begin to use touchscreen technology - iPads to record activities (photo). Begin to use touchscreen technology - iPads to record activities (photo).			
	Digital Literacy & E Safety also taught through PSHE. (Safe Space)					Begin to learn about the internet and how to use it safely.	Use the internet to find information.
	Simple safety rules for using technological equipment in school, and who to tell if worried. Content will be appropriate to equipment and activities introduced, and age and stage of the children, but e-safety elements will be specifically taught each half term						

Year	Area	Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
Reception	Computer Science	Explore and talk about cause and effect – links to science. Identifying everyday technology around school.	Explore and talk about cause and effect – links to science – things that light up: buttons and switches. Bee-bots.		Using technology to play simple games to support learning. Bee-bots, iPad and smartboards.	Reception also introduction to PCs in ICT suite.	
	Information Technology			Touch-screen technology – iPad to record activities using photo and video.			Using the internet to find information. Reception logs on with support and create pictures on simple programme on PCs.
	Digital Literacy & E Safety also taught through PSHE. (Safe Space)	Safe Zone Yr. lesson 1 – Personal information & who can I trust	Safe Zone Yr. lesson 2 – Communicating using the internet.	Safe Zone Yr. lesson 3 – Identify ways to put information safely on the internet.	Safe Zone Yr. lesson 5 – Copyright and Ownership	Safe Zone Yr. lesson 6 – finding information safely online. Talk about using the Internet safely	Safe Zone Yr. lesson 6 – rules to keep us safe at home and online.

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Year 1	Computer Science	Grouping and sorting (PM 1.2)		Lego builders (PM 1.4)	Maze Explorers (PM 1.5)		Coding (PM 1.7)
	Information Technology		Pictograms (PM1.3)			Animated Story Books (PM 1.6)	
	Digital Literacy & E Safety also taught through PSHE. (Safe Space)	Online safety and exploring (PM 1.1)	Safe Zone Yr1. Lesson 1 - Copywrite and ownership.	Safe Zone Yr1. Lesson 2 - Self-Image and Identity.	Safe Zone Yr1. Lesson 3 - Managing online information.	Safe Zone Yr1. Lesson 4 - Privacy and Security.	Technology outside of school PM(1.9)

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Year 2	Computer Science	Coding (PM 2.1)					
	Information Technology			Spreadsheets & Questioning (PM 2.3& 2.4)	Creating Pictures (PM2.6)	Making music (PM 2.7)	Presenting Ideas (PM2.8)
	Digital Literacy & E Safety also taught through PSHE. (Safe Space)	Safe Zone Yr2. Lesson 1- Self-Image and Identity	Safe Zone Yr2. Lesson 2- Online Relationships	Safe Zone Yr2. Lesson 3- Online Reputation.	Safe Zone Yr2. Lesson 4- Online Bullying	Safe Zone Yr2. Lesson 5- Managing Online Information	Safe Zone Yr2. Lesson 6- Copyright and Ownership

Year	Area	Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
Year 3	Computer Science	Coding (PM3.1)					
	Information Technology		Spreadsheets (PM 3.4)	Branching Databases (PM 3.6)	Simulations (PM3.7)	Graphing (PM 3.8)	Presenting (PM3.9)

Computer Science – understanding how computers work including looking at problem solving, algorithms, sequences, selections, and variables.

Information Technology – involves the creation, organisation, and manipulation of digital content in both key stages – digital content could be interpreted as many things as possible from audio to images to film and beyond.

Digital Literacy – is a child's ability to use and access online resources in a safe, responsible, and discerning way.

E-Safety – is not just related to the internet. It also includes risks related to the use of computers, games consoles, mobile phones, televisions, and tablets.

	Digital Literacy & E Safety also taught through PSHE. (Safe Space)	Safe Zone Yr2 LESSON 1: Self-Image and Identity	Online safety (PM3.2) Safe Zone Yr3 LESSON 2: Online Relationships	Safe Zone Yr3 LESSON 3: Online Reputation	Safe Zone Yr3 LESSON 4: Health, Wellbeing and Lifestyle	Safe Zone Yr3 LESSON 5: Privacy and security	Safe Zone Yr3 LESSON 6: Copywrite and ownership
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Year 4	Computer Science		Coding (PM 4.1)			Logo (PM 4.5)	Hardware Investigators (PM 4.8)
	Information Technology	Animation (PM 4.6)		Spreadsheets (PM 4.3)	Writing for Different Audiences (PM 4.4)		Effective Searching (PM 4.7)
	Digital Literacy & E Safety also taught through PSHE. (Safe Space)	Safe Zone Yr4 LESSON 1: Online relationships and online bullying	Safe Zone Yr4 LESSON 2: Health Wellbeing and Lifestyle	Safe Zone Yr4 LESSON 3: Online reputation and managing online information.	Safe Zone Yr4 LESSON 4: Self-image and identity	Safe Zone Yr4 LESSON 5: Copywrite and ownership	Safe Zone Yr4 LESSON 6: Privacy and Security

Year	Area	Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
Year 5	Computer Science	Coding (PM 5.1)			Game Creator (PM 5.5)		Using External Devices: Purple Chip (PM 5.9)
	Information Technology		Spreadsheets (PM 5.3)	Databases (PM5.4)		Concept Maps (PM 5.7)	
	Digital Literacy & E Safety also taught through PSHE. (Safe Space)	Safe Zone Yr5 LESSON 1: Privacy and Security	Safe Zone Yr5 LESSON 2: Self-Image and Identity	Safe Zone Yr5 LESSON 3: Online reputation and managing online information.	Safe Zone Yr5 LESSON 4: Health, Wellbeing and Lifestyle	Safe Zone Yr5 LESSON 5: Copywrite and ownership	Safe Zone Yr5 LESSON 6: Online relationship and online bullying

Year	Area	Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
Year 6	Computer Science		Coding (PM6.1)		Text Adventures (PM 6.5)	Networks (PM 6.6)	
	Information Technology	Blogging (PM 6.4)		Spreadsheets (6.3)			Quizzing (PM 6.7)
	Digital Literacy & E Safety also taught through PSHE. (Safe Space)	Safe Zone Yr6 LESSON 1: Online reputation and managing online information	Safe Zone Yr6 LESSON 2: Online relationship and online bullying	Safe Zone Yr6 LESSON 3: Self-Image and Identity	Safe Zone Yr6 LESSON 4: Health, Wellbeing and Lifestyle	Safe Zone Yr6 LESSON 5: Privacy and security	Safe Zone Yr6 LESSON 6: Copywrite and ownership

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