



## Hamstel Infant School and Nursery Computing Long Term Plan 2023-24

	<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
<b><u>Nursery</u></b>	<b>Systems and Networks</b> – Technology in school and at home ( <i>role play</i> )	<b>Creating Media</b> – Mark and Pattern making ( <i>unplugged and plugged</i> )	<b>Programming</b> – Introduction to Instructions ( <i>unplugged</i> )	<b>Data and Information</b> - Sorting toys ( <i>unplugged</i> )	<b>Creating Media</b> – Shape Making ( <i>plugged and unplugged</i> )	<b>Programming</b> – Giving Instructions ( <i>unplugged</i> )
	<b>e-Safety</b> – What is online safety?		<b>e-Safety</b> – Using Kind words / Taking Turns		<b>e-Safety</b> - Who can help you?	
<b><u>Reception</u></b>	<b>Systems and Networks</b> – Technology in school and at home	<b>Creating Media</b> – Mark and Pattern making	<b>Programming</b> – Instructions ( <i>plugged</i> )	<b>Data and Information</b> – Introduction to data	<b>Creating Media</b> – Creating pictures with shapes	<b>Programming</b> – Giving Instructions ( <i>plugged</i> )
	<b>e-Safety</b> – What is e-safety? - Smartie the Penguin		<b>e-Safety</b> – Using Kind words / Taking Turns		<b>e-Safety</b> – Who can help us?	
<b><u>Year 1</u></b>	<b>Systems and Networks</b> – Technology all around us	<b>Creating Media</b> – Digital Painting	<b>Programming</b> – Moving a robot	<b>Data and Information</b> – Grouping Data	<b>Creating Media</b> – Digital Writing	<b>Programming</b> – Programming animations
	<b>e-Safety</b> – Passwords and security	<b>e-Safety</b> – App safety	<b>e-Safety</b> – Appropriate games	<b>e-Safety</b> – Safe online data sharing – Personal information	<b>e-Safety</b> –appropriate language online	<b>e-Safety</b> – Game safety – online chats in games/ voice chats.
<b><u>Year 2</u></b>	<b>Systems and Networks</b> – IT all around us	<b>Creating Media</b> – Digital Photography	<b>Programming</b> – Robot Algorithms	<b>Data and Information</b> - Pictograms	<b>Creating Media</b> – Digital Music	<b>Programming</b> – Programming Quizzes
	<b>e-Safety</b> – Creating a safe and querying internet user.	<b>e-Safety</b> – Safe online photo sharing.	<b>e-Safety</b> – AI safety	<b>e-Safety</b> - Safe online data sharing – Personal information	<b>e-Safety</b> - listening to age-appropriate music	<b>e-Safety</b> – chat rooms

**The 3 strands in Computing:**

- IT – Information Technology
- CS – Computer Science
- DL – Digital Literacy