

## Foundation Stage Computing

**At Grange Farm, Foundation Stage is using an integrated approach to computing.**

**We have found the following links within the ELGs:**

Understanding the World	Children learn to identify and use technology in everyday life, like in homes and schools. They also explore how things work and begin to understand that a range of technology exists to help with tasks.
Physical Development	Children develop fine motor skills by using tools like remote controls, tablets, and construction toys.
Personal, Social and Emotional Development	Early learning goals focus on teaching children to use technology safely and responsibly. Showing resilience and perseverance in the face of challenge Be confident to try new activities and show independence Show the reason for rules and know right from wrong.
Expressive Arts and Design	Technology is used to support creativity, for example, using digital tools to create images or music.

We have ensured the following are in place for more specific teaching and learning:

Devices regularly used throughout free-play across FS:

iPads, Smartboards, Beebots, Interactive table, Cameras

Reception computing lessons will cover:

Plugging in, logging on, using simple apps, being safe and looking after the devices by handling them correctly.

## Computing - Long Term Plan 25/26

	Y1	Y2	Y3	Y4	Y5	Y6
<b>Block 1</b>	<b>Technology in our lives</b> Looking in school and the world around us – where are computers used? What are they used for? <b>E-safety</b>	<b>Using text and pictures</b> 2paint (Purple Mash)	<b>Text and Pictures</b> 2createastory (Purple Mash)	<b>Word Processing</b> Google Docs, Forms, Sheets, Slides	<b>Spreadsheets</b> Google Sheets Databases - Purple Mash 2investigate	<b>Algorithms</b> Scratch (code club resources are in school) Code.org tynker.com
<b>Block 2</b>	<b>Text and pictures</b> Logging in Using Storymaker, use the word banks and text to create documents with both text and pictures –edit text. (Xmas cards) Replace with 2paint (Purple Mash)	<b>What is a computer?</b> Looking in school and the world around us – where are computers used? What are they used for? <b>E-safety</b>	<b>Photos &amp; Film</b> Take and edit photographs using Camera, photo app and SnapSeed.	<b>Algorithms</b> Scratch Jnr 2 Code (Purple Mash)	<b>Films</b> iMovie, make and edit a movie using iPads. Add transitions and sounds Green Screen	<b>Code Bugs</b> Use online resources to give step by step lessons to use code bugs
<b>Block 3</b>	<b>Storybooks</b> (Purple Mash)	<b>Algorithms</b> Write instructions. Debug instructions. Use Bee bot app, Daisy Dino, Scratch Jnr 2 Code & 2 Logo (Purple mash)	<b>Algorithms</b> Read and write algorithms. Debug given algorithms. Scratch Jnr	<b>Algorithms</b> Code.org Scratch – evaluating games 2 Code (Purple Mash)	<b>Algorithms</b> Scratch (need logins)	<b>Apps</b> App research looking at smartphone apps
<b>Block 4</b>	<b>Algorithms</b> Understand instructions. Use beebots	<b>Algorithms</b> Use algorithms Scratch Jnr	<b>Algorithms</b> Use algorithms 2 Code & 2Logo (Purple Mash)	<b>Internet</b> Search the Internet Look at html tags and how they are used to create web pages Emails 2 Email (Purple mash) <b>E-safety</b>	<b>Algorithms</b> Scratch	<b>Networks</b> How do networks work? <b>E-safety</b>
<b>Block 5</b>	<b>Algorithms</b> Understand instructions – write and debug instructions Bee bot app	<b>Internet</b> Search the internet for images and text. Use this information to create documents for different	<b>Internet</b> Search the internet using safe search engines for images and text. Create documents	<b>Word Processing</b> Using Word and/or Pages type, add images, edit text, create documents for a purpose	<b>Internet</b> Search the internet Use email? Blogging Create an encyclopaedia page for Wikipedia about the	<b>Film</b> Green screen – planning, filming and editing iMovie

		<p>purposes (Write a blog).  2 Email, create a class email. Purple Mash E-safety</p>	<p>using text and images  E-safety</p>	<p>2 Question (Purple Mash) Google Docs, Forms, Sheets, Slides</p>	<p>school? E-safety</p>	
<p><b>Block 6</b></p>	<p><b>Internet/E-safety</b>  Use on-line tools such to find information Find and use pictures within other programs E-safety</p>	<p><b>Photos</b>  Using iPads and Snapseed. Take and edit photos. Look at different types of photo (close-up, distance, profile, landscape), crop and add filters.</p>	<p><b>Data</b>  2Investigate (Purple Mash)</p>	<p><b>Data Logging</b> Collecting data, making graphs and charts to present info (Google Sheets)</p>	<p><b>Internet</b>  3D Printer  Tinkercad</p>	<p><b>Powerpoint</b> Presentations incorporating sound, film and photos. Google Docs, Forms, Sheets, Slides</p>