



Subject Curriculum Overview: Computing

How can computing help us to develop our skills in ever changing world?

Curriculum Drivers: Literacy, Respect, Aspiration, Wellbeing

What are the aims and intentions of this curriculum?

That children:

- Are taught a progressive curriculum, using a range of technology, apps and software.
- Are encouraged to think about how they use technology safely and respectfully in everyday life outside the school environment.
- Are encouraged to actively use technology as a tool across the curriculum, enabling them to develop skills, knowledge and confidence.

Year Group	Computing area	Autumn Term	Spring Term	Summer Term
1	Computer Science	➤ Computational thinking – Ordering algorithms	➤ Coding and programming - Beebots	➤ Computational thinking and coding – Beebot and Beebot app.
	Information Technology	➤ Word processing ➤ Animation ➤ Sound	➤ Data Handling ➤ Augmented reality	➤ Presentations, web designs and e-books ➤ Video creation ➤ Photography and digital art.
	Digital literacy	➤ Going places safely. ➤ Keeping things private.	➤ Internet safety – Jess ➤ Creative copyright. ➤ Safer Internet Day	➤ Safe searching ➤ E-mail
2	Computer Science	➤ Computational thinking ➤ Programming and coding. - Beebots	➤ Computational thinking ➤ Programming and coding. – Beebots and Scratch Jnr	➤ Computational thinking ➤ Programming and coding – scratch Jnr and code.org
	Information Technology	➤ Word processing ➤ Animation ➤ Sound	➤ Data Handling ➤ Augmented and virtual reality	➤ Presentations, web designs and e-books ➤ Video creation ➤ Photography and digital art.
	Digital literacy	➤ Privacy ➤ Cyber bullying / Internet safety	➤ Internet safety – Jess ➤ Cyber bullying ➤ Safer Internet day	➤ Digital footprint and safe searching.
3	Computer Science	➤ Code.org ➤ ALEX ➤ Computer networks	➤ Computational thinking and coding - Scratch	➤ Computational thinking and coding – Rapid Router / Logo
	Information Technology	➤ Word processing ➤ Animation ➤ Sound	➤ Data Handling ➤ Augmented and virtual reality	➤ Presentations, web designs and e-books ➤ Video creation ➤ Photography and digital art.
	Digital literacy	➤ Powerful passwords ➤ Show respect online ➤ Jess and friends	➤ Information literacy ➤ Cyber bullying ➤ Safer Internet day	➤ Digital footprint ➤ Emails ➤ Winston and crew

4	Computer Science	<ul style="list-style-type: none"> ➤ Computational thinking and coding – Code.org ➤ Computer Networks 	<ul style="list-style-type: none"> ➤ Computational thinking and coding - Scratch 	<ul style="list-style-type: none"> ➤ Computational thinking and coding – Logo and Microbits
	Information Technology	<ul style="list-style-type: none"> ➤ Word processing ➤ Animation ➤ Sound 	<ul style="list-style-type: none"> ➤ Data Handling ➤ Augmented and virtual reality 	<ul style="list-style-type: none"> ➤ Presentations, web designs and e-books ➤ Video creation ➤ Photography and digital art.
	Digital literacy	<ul style="list-style-type: none"> ➤ Rings of responsibility ➤ Private and personal information 	<ul style="list-style-type: none"> ➤ Power of words ➤ Safer Internet Day 	<ul style="list-style-type: none"> ➤ Key To Keywords ➤ Whose is it anyway?
5	Computer Science	<ul style="list-style-type: none"> ➤ Computational thinking and coding – code.org ➤ Networks 	<ul style="list-style-type: none"> ➤ Computational thinking and coding – Rapid Router, Hour of code 	<ul style="list-style-type: none"> ➤ Computational thinking and coding- Scratch and Microbits
	Information Technology	<ul style="list-style-type: none"> ➤ Word processing ➤ Animation ➤ Sound 	<ul style="list-style-type: none"> ➤ Data Handling ➤ Augmented and virtual reality 	<ul style="list-style-type: none"> ➤ Presentations, web designs and e-books ➤ Video creation ➤ Photography and digital art.
	Digital literacy	<ul style="list-style-type: none"> ➤ Google internet legends – think before you share ➤ Google internet legends – ➤ Check its real 	<ul style="list-style-type: none"> ➤ Google Internet Legends – protect your stuff ➤ Talking safely online ➤ Safer internet Day 	<ul style="list-style-type: none"> ➤ Google Internet Legends – respect each other ➤ Selling stereotypes
6	Computer Science	<ul style="list-style-type: none"> ➤ Computational thinking and coding – Code.org 	<ul style="list-style-type: none"> ➤ Computational thinking and coding – Kodu and Hour of Code 	<ul style="list-style-type: none"> ➤ Computational thinking and coding – Scratch and Microbits
	Information Technology	<ul style="list-style-type: none"> ➤ Word processing ➤ Animation ➤ Sound 	<ul style="list-style-type: none"> ➤ Data Handling ➤ Augmented and virtual reality 	<ul style="list-style-type: none"> ➤ Presentations, web designs and e-books ➤ Video creation ➤ Photography and digital art.
	Digital literacy	<ul style="list-style-type: none"> ➤ Strong Passwords ➤ Digital Citizenship pledge 	<ul style="list-style-type: none"> ➤ You’ve won a prize ➤ How to cite a site ➤ Safer Internet Day 	<ul style="list-style-type: none"> ➤ Picture perfect ➤ Privacy Rules

Digital literacy is taught on a two year rolling program – See Medium term plans for more detail.
There is a 3/4, 4/5 and 5/6 rolling program.