



ICT

**Curriculum Intent, Implementation and Impact for
ICT at Co-op Academy Portland**

At Co-op Academy Portland, our curriculum is built on the foundations of the statutory National Curriculum. Our deliberately sequenced substantive and disciplinary knowledge will ensure that learning is built progressively from Nursery to Year 6 in identified strands that enable our children to become confident in using technology appropriately and safely. Our three computing strands are: **Digital literacy**, **Information technology** and **Computer science**.

We aim to provide children with a high-quality education that engages, inspires, and challenges them. We will equip pupils with the knowledge and skills needed for their futures through exposure of media, careers, visitors and trips. As pupils progress, we aim to develop their ability to think critically and gain a more rigorous understanding of subjects.

Community is the backbone of our school, and we integrate our Co-op values into our curriculum to benefit our children and families. These values permeate through our curriculum, fostering the next generation of responsible, socially mindful citizens.

Our aims are that our pupils are able to:

- Become creative, independent learners that develop a healthy relationship with technology.
- Be equipped with the digital skills to meet developing technology with confidence and enthusiasm.
- Be creators and innovators, not just mere consumers of digital content.
- Be equipped with the essential skills and knowledge they need to use technology safely and creatively.
- Become digital storytellers and problem solvers through creating their own digital learning journals that record their understanding and showcase mastery of computing.

Long Term Plan (EYFS):

	Autumn	Spring	Summer
Nursery	<p>Digital literacy: 'Digiduck'</p> <p>Digital literacy: 'Smartie the Penguin'</p>	<p>Information Technology 'Pretty in Pictures'</p> <p>Information Technology 'Shape Hunt'</p>	<p>Computer Science: 'What is a Computer?'</p> <p>Computer Science: 'Nursery Rhyme Coding'</p>
Reception	<p>Digital literacy 'My Online Life'</p>	<p>Information Technology 'Talking Technology'</p>	<p>Computer Science: 'Robots'</p>

What does Computing look like in Early Years Co-Op Academy Portland?

- Children have daily access to a range of technology resources such as iPads / Chromebooks, Bee-Bots, talking tins, as well as a class interactive whiteboard.
- Some technology will also be used to support interactive displays such as talking tins, to capture the child's voice.
- Technology will form part of role play areas, featuring both functioning devices, as well as models of older devices, to enhance play e.g. desktop computer, keyboard and mouse, walkie talkies, digital camera, etc.
- The Knowsley Scheme offers bite-sized sessions, which can be delivered through a taught carpet session, or within continuous provision.
- A range of technology resources are used to support learning in other areas of the curriculum.
- Children are taught how to use the resources for different purposes e.g. iPad to take photographs, and talking tins to record their own ideas.
- Children have access to 'real technology' found in the home in the role play area including mobile phones, telephone, microwave, oven, washing machine, Hoover, camera etc.

Long Term Plan (Years 1-6):

	Autumn	Spring	Summer
Year 1	Digital literacy: 'My Online Life'	Information Technology: 'Modern Tales'	Computer Science: 'My Friend the Robot'
Year 2	Digital literacy: 'My Online Life'	Information Technology: 'Presentations & Typing'	Computer Science: 'Code a Story'
Year 3	Digital literacy: 'My Online Life'	Information Technology: 'Be Digitally Awesome'	Computer Science: 'Dancing Robot'
Year 4	Digital literacy: 'My Online Life'	Information Technology: 'Endangered Animals'	Computer Science: 'Hour of Code'
Year 5	Digital literacy: 'My Online Life'	Information Technology: 'Making AR Games'	Computer Science: 'Web Designer'
Year 6	Digital literacy: 'My Online Life'	Computer Science: 'Crossy Roads'	Information Technology: 'Leavers Book & Video'

- In Years 1-6, ICT is taught regularly throughout the year.
- Our Medium Term Plans provide detailed information to staff, including:
 - Prior/ future learning; National Curriculum coverage; The 'big theme'; A lesson sequence with mapped out Substantive and Disciplinary knowledge; Essential knowledge and Vocabulary.

How do we know that the children have made progress in Computing?

Class Teachers:

- Every lesson starts with a quick recap, with questions linking back to previous learning. This ensures that any gaps in substantive knowledge are quickly identified and addressed.
- Quality first teaching ensures that AfL opportunities are present throughout each lesson, enabling practitioners to give feedback in the moment to make sure all children make progress.
- Digital journals are assessed by class teacher but also through peer assessment to ensure progress is being made.

Subject Leaders:

- During the half term the subject is being taught, subject leaders will complete learning walks to evaluate the teaching and learning environments related to their subject. This will be completed on the school feedback proforma and then shared with teachers.
- As part of this assessment process, pupil voice will also be completed to triangulate this with the book look.
- Assessment is used as a tool to support curriculum development.