

Tracking progress through concepts in Computing

Key Concepts: (these colours correspond to Purple Mash scheme of work)

- **Computer Science**
- **Information Technology**
- **Digital Literacy**

Computer Science - The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work and how to put this knowledge to use through programming.

Information Technology - Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content.

Digital Literacy - Computing also ensures that pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.

	Computer Science	Information Technology	Digital Literacy
EYFS	Topic teaching		
Year 1	Computing system and networks – technology around us (TC) 1.7 Coding (PM)	1.9 Technology outside school (PM) Minimash (PM)	Edgware then and now Labels, lists and captions (PM) Seasons, pictures, science and geography (PM)
Year 2	Computing system and networks – IT around us (TC) 2.1 Coding (PM)	Data and information pictograms (TC)	Writing frames/postcards/English (PM) To paint – Henri Rousseau (PM) Graph science (PM)
Year 3	Computing system and networks – Connecting Computers (TC) 3.1 Coding (PM)	To email (PM)	Online safety *TICT Leaflet, Geography (PM) Quiz, history (PM) Data/graph science (PM)

Year 4	4.1 Coding (PM)	Data logging (TC)	Online safety *TICT Newspaper English (PM) Information text (PM) Graph, science (PM)
Year 5	Code for life	Data and information – Flat-file databases (TC)	Online safety *TICT Leaflet, history (PM) Report, Geography (PM) Video production Macbeth - Imovie
Year 6	Code for life	Data information spreadsheet (TC)	Online safety *TICT Publish writing (Word) Presentation – Science PPP Stop motion animation budgeting Google sheets

*TICT - <https://teachictnt.org.uk/>