

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	Minimash	Making beats PM	Cadbury's chocolate Labels, lists and captions (PM) Seasons, pictures, science and geography (PM)
Year 2	Coding (PM)	Route explorers	Writing frames/postcards/English (PM) To paint – Henri Rousseau (PM) Graph science (PM)
Year 3	Coding (PM)	Touch Typing	Online safety *TICT Leaflet, Geography (PM) Quiz, history (PM) Data/graph science (PM)

Year 4	Coding (PM)	Animation	Online safety *TICT Newspaper English (PM) Information text (PM) Graph, science (PM)
Year 5	Coding	Game creator	Online safety *TICT Leaflet, history (PM) Report, Geography (PM) Video production Macbeth - Imovie
Year 6	Code for life	Graphing	Online safety *TICT Publish writing (Word) Presentation – Science PPP

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