

Predominant Area of Computing*		
	Computer Science	
	Information Technology	
	Digital Literacy	

\*Most units will include aspects of all strands.

## Computing Overview - Hardware/Software - Stewart Fleming



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	BeeBots	2Painting	Maths/Simple City	2animate	Scratch Jr	Keyboard/Mouse
Year 1 E-Safety IPC: Learning safely - PM	Programming A – Moving a robot  BeeBot  Brain Wave: The Brain Learning safely	Creating Media – Digital Writing  Paint  Treasure Island	Computer Systems and Networks – Technology around us  Word/PowerPoint  Green Fingers	Programming B – Introduction to animation) Scratch Jr  Time Travellers	Film Producers  iPad's/cameras  A day in the life	Creating media – Digital Painting 2Simple/Purple Mash/Paint  The Earth: Our Home
Year 2 E-Safety IPC: Learning safely - PM	Programming A – Robot Algorithms Bee Bot/Bee Bot iPad  Brainwave: Metacognition  From A-B	Data and Information - Pictograms J2E/Jit5/PurpleMash  From A-B  Super humans	Computing Systems and Networks – IT around us  Word/PowerPoint  Buildings	Creating Media – Digital Photography iPad/Photo booth/cameras  Live and Let Live	Programming B – Introduction to Quizzes Scratch Jr  The Magic Toymaker	Creating Media – Making Music PurpleMash/GarageBand/Scratch  People of the Past
Year 3 IPC: Learning Effectively Online - PM	Data and Information – Branching Databases J2E/PurpleMash  Brainwave: The Brain  How Humans Work	Computing systems and Networks – Connecting Computers PowerPoint/Canva  How Humans Work  Bright Sparks!	Programming A – Sequence in Music Scratch  Learning Effectively Online  Shake It!	Creating media – Desktop publishing Publisher/Word  Island Life	Programming B – Events and Actions Scratch  Travel and Tourism	Creating media – Animation Stop-motion animation  Scavengers and Settlers
Year 4 IPC: Learning Effectively Online - PM	Creating media – photo editing Pixlr/iPad's/Cameras  Brainwave: Metacognition  Temples, Tombs and Treasures	Programming A – Repetition in shapes 2Logo  Temples, Tombs and Treasures  Making Waves!	Creating media – audio editing Audacity/Web Based editor  Land, Sea and Sky	Data and information – data logging Data Loggers/Micro:Bits  Different Places, Similar Lives	Programming B – Repetition in Games  Scratch  All aboard	Computing systems and networks – the internet Google tools  Feel the Force  Let's Plant it!
Year 5 IPC: Learning Critically Online - PM	Creating media – 3D modelling Tinkercad  Brainwave: The Brain  Learning Critically OnlineE	Programming A – Selection in physical computing Crumble  Space Explorers	Creating media – vector drawing G-suite Tool (Drawings)  The Great, the Bold, and The Brave	Computing systems and networks – sharing information Google tools/Jam Board  The Great, the Bold, and The Brave  Roots, shoots and fruits	Data and information – flat-file databases 2investigate  The Holiday Show	Programming B – selection in quizzes  Scratch/Micro:Bits  Being Human
Year 6 IPC: Learning Critically Online	Data and information - spreadsheets Google sheets/Excel  Brainwave: Metacognition  Existing, Endangered, Extinct	Creating media – video editing Video Editor/Veed.io  Existing, Endangered, Extinct  Full Power!	Computing systems and networks - communication Google Drive applications  900 CE	Creating media – web page creation HTML/Google Sites  Earth as an Island	Programming A – Variables in games Crumble  Fairgrounds  Bake it	Programming B - Sensing Micro:Bits  End of year

Computing Unit Title (brief description)

Suggested programmes

IPC Unit