

**CLEMENTSWOOD FEDERATION
LONG-TERM CURRICULUM MAP**

COMPUTING

	YEAR R	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
AUTUMN 1	Barefoot Activity (Computer Science) Activity linking theme to computational thinking <i>Leaf Labyrinth</i> <i>Making pumpkin soup</i> <i>Garlands Galore</i>	Online Safety 1 – 2 Lessons SWGFL Activities Hector https://www.thinkuknow.co.uk/4_7/	Online Safety 1 – 2 Lessons SWGFL Activities Hector https://www.thinkuknow.co.uk/4_7/ Computer Science 1 – 2 Lessons Crazy characters (Unplugged)	Online Safety – 1 Lesson Computer Science 1 – 1 Lesson Selection Computer Science 2 – 4 Lessons Create a story using Scratch	Online Safety 1 – 2 Lessons Cyber Pass Talking, Looking, Privacy, Playing (https://www.barefootcomputing.org/cyber) Computer Science 1 – 2 Lessons Loops and Repetition – Espresso Coding	Online Safety 1 – 2 Lessons Cyber Pass https://www.barefootcomputing.org/cyber Settings, Privacy, Sharing, Talking Computer Science 1 – Variables	Online Safety 1 – 2 Lessons Cyber Pass https://www.barefootcomputing.org/cyber Settings, Sharing, Friends, Money Computer Science 1 – 1 Lesson Decomposition
AUTUMN 2		Computers/Networks – Throughout the term Getting to know the computer	Computer Science Scratch Jr – iPad OR Espresso Coding	Communication Typing skills and Publisher	Computer Science 2 Create a game in Scratch (Maze Game)	Computer Science 2 – Creating a Maths Quiz using Scratch	Computer Science 2 Scratch Project – Revision Project
SPRING 1	Computer Science Exploring Bee-Bots	Communication – 3 Lessons Digimaps Computer Science 2 – 2 Lessons Espresso Coding	Communication – 2type and Powerpoint animation	Online Safety 1 – 2 Lessons Cyber Pass Looking, Privacy, Playing Communication Stop Frame Animation (iMotion on iPads)	Communication Research and presenting in different formats using Microsoft Office programs	Communication Database (tables, graphs etc.) Using Microsoft Access and J2E countries	Communication – 6 Lessons Digital Art using Pixlr
SPRING 2	Communication Creating images (https://paintz.app/) Using the interactive whiteboard	Communication Create a story (JIT5 on J2E) https://www.j2e.com/jit5	Computer Science Bee Bots		Online Safety 2 – 2 Lessons SWGFL Activities and Cyber Pass Communication – 4 Lessons Creating Comics with Comic Life 3	Online Safety 2 – 2 Lessons Social Media Online Safety Computers/Networks 4 Lessons How does The Internet work?	Online Safety 2 – 2 Lessons Social Media Online Safety Communication 3 – 5 Lessons Presentation – History of computing / or topic

SUMMER 1	Communication/Getting to know the keyboard Typing games linked with phonics <i>BBC Dance Mat Typing</i> <i>Animal Typing App</i> Education City/Espresso	Communication J2E Animation / drawing	Making Digital Music Chrome Music Lab – Link to Book (https://musiclab.chromeexperiments.com/Experiments) Online Safety 2 – 2 Lessons SWGFL Activities	Online Safety 2 – 2 Lessons SWGFL Activities and Cyber Pass (https://www.barefootcomputing.org/cyber) Computers/Networks – 2 Lessons Inputs and Outputs	Computer Science 3 Lego We-Do (iPads)	Communication Google SketchUp	Computers/Networks/Research Google ranking on internet – How to use search engines efficiently
SUMMER 2	Barefoot Activity (Computer Science) Activity linking theme to computational thinking <i>Summertime fun</i>	Online Safety 2 – 2 Lessons SWGFL Activities Computer Science 3 – 4 Lessons Bee-Bots	Communication – 5 Lessons Present a topic from Science/History/Geography – Not Internet Research. <i>J2E Publisher</i>	Computer Science 3 – 5 Lessons Code Bugs (https://www.codebug.org.uk/create/codebug/new/)	Networks and Computers – 1 Lesson How does a School Network work? Communication Creating worlds in Minecraft EDU	Computer Science 3 Video Editing – iMovie (iPad)	Computer Science 3 BBC Micro:bit https://microbit.org/