

**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	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 – 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	Communication Data logging - Excel	Communication Database (tables, graphs etc.) Using Microsoft Access and J2E countries	Communication – 6 Lessons Digital Art using Pixlr

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SPRING 2	Computer Science Exploring Bee-Bots	Communication Create a story (JIT5 on J2E) https://www.j2e.com/jit5	Computer Science Bee Bots	Stop Frame Animation (iMotion on iPads)	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	Barefoot Activity (Computer Science) Activity linking theme to computational thinking <i>Summertime fun</i>	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	Communication Creating images (https://paintz.app/) Using the interactive whiteboard	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/