essa Primary

COMPUTING LONG TERM PLAN

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	**We are treasure hunters** Using programmable toys *Programming*	**We are TV Chefs** Filming the steps of a recipe *Computational Thinking*	**We are painters** Illustrating and eBook *Creativity*	**We are collectors** Finding images using the web *Computer networks*	**We are storytellers** Producing a talking book *Communication/ collaboration*	**We are celebrating** Creating a card electronically *Productivity*
Year 2	**We are researchers (mapping)** Researching a topic *Computer networks*	**We are astronauts** Programming on a screen *Programming*	**We are games testers** Exploring how a computer game works *Computational thinking*	**We are photographers** Taking, selecting and editing digital images *Creativity*	**We are detectives** Communicating clues *Communication/ collaboration*	**We are zoologists** Recording bug hunt data *Productivity*
Year 3	**We are communicators (getting connected)** Communicating safely on the internet *Communication/ collaboration*	**We are presenters** Videoing performance *Creativity*	**We are vloggers** Making and sharing a short screencast presentation *Computer Networks*	**We are programmers** Programming an animation *Programming*	**We are bug fixers** Finding and correcting bugs in programs *Computational thinking*	**We are opinion pollsters** Collecting and analysing data *Productivity*
Year 4	**We are co-authors (Our Digital World)** Producing a wiki *Communication/ collaboration*	**We are software developers** Developing a simple educational game *Programming*	**We are toy designers** Prototyping an interactive toy *Computational thinking*	**We are musicians** Producing digital music *Creativity*	**We are HTML editors** Editing and writing HTML *Computer networks*	**We are meteorologists** Presenting the weather *Productivity*

Year 5	**We are game developers** Developing an interactive game *Programming*	**We are artists** Fusing geometry and art *Creativity*	**We are bloggers** Sharing experiences and opinions *Communication/ collaboration*	**We are web developers (Multimedia)** Creating a web page about cyber safety *Computer networks*	**We are cryptographers** Cracking codes *Computational thinking*	**We are architects** Creating a virtual space *Productivity*
Year 6	**We are adventure gamers** Making a text based adventure game *Programming*	**We are computational thinkers** Mastering algorithms for searching, sorting and mathematics *Computational thinking*	**We are advertisers** Creating a short television advert *Creativity*	**We are network engineers** Exploring computer networks including the internet *Computer networks*	**We are travel writers** Using media and mapping to document a trip *Productivity*	**We are publishers** Creating a year book *Communication/ collaboration*

All units can be taught in any order to suit topics and cross-curricular learning opportunities.
E-Safety is taught throughout each unit.