JOHN RANKIN SCHOOLS

Computing Whole School Unit Overview

Subject: Computing						
	Units Taught					
Year Group	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
FS2	Technology around us **Word processing** Using touchscreen/keyboard/mice	Using Digital Devices **Photography and Digital art** Using an ipad	Introduction to Algorithms **Computational Thinking** Maps Instructions	Programmable toys and directions **Coding and Programming** Beebots	Digital Creativity **Video creation** Record a short film and playback	Online Safety and Independent Technology Use. **Digital Literacy**
1	**Presentation** Storyboard	**Video creation** Retell a story	**Programming** Animation in Scratch Junior	**Data handling** Digital pictograms	**Programming** Robot Maze game in Scratch Junior	**Animation** Bringing a character to life
2	**Photo and digital art** Simple Photoshopping	**AR & VR** Storytelling with AR	**Programming** Programming Bee Bots	**Artificial intelligence** AI advantages video	**Programming** My robot helper Scratch Junior	**Animation** Stop motion
3	**Presentation** Paper based app prototypes	**Computer Networks** Network explorers	**Programming** Animations in Scratch	**AR & VR** Creating 360 images	**Programming** Micro:bit LED animations	**Video creation** Voiceover film
4	**Photo and digital art** Digital self portraits	**Computer Networks** Understanding the internet	**AR & VR** Invent a toy	**Artificial intelligence** Teachable machine	**Programming** Micro:bit Get off my Stuff!	**Sound** Movie soundtrack
5	**Presentation** Digital posters	**Computer Networks** Search engines	**Programming** Scratch platform game	**Data handling** Google sheets	**Programming** Micro:bit score counter	**Sound** Four chord mix
6	**Video creation** Green screen	**Computer Networks** HTML	**Programming** Micro:bit sensors	**Artificial intelligence** Machine learning for kids	**Sound** Podcasting	**Animation** 3D animated scene