Waltham Gateway Academy

Waltham Gateway Academy World Views Education Long Term Plan

Apps, software and websites used

Padlet is used to share iCompute links directly to children

		Autumn		Spring		Summer	
EYFS		eSafety 1 Sequencing and recounting iMake Algorithms Flow charts and sequencing iMake PixelArt Pixels and data iCan sequence Data and sequencing iFind Patterns Algorithms and pattern spotting iMake Music – Algorithms and sequencing iPad – Voice Memo	eSafety2 Personal information iTell Stories Recount and ordering iPad – record video iMake Art Digital art iPad - PicCollage iAm Logical Logical thinking iCan Sort Data and sorting iPad - Camera	eSafety 3 Checking online information ican Play Algorithms and digital tools iMake Media Combining digital images iPad – Camera and Seesaw iCan Move Algorithms and programming iCan Turn Programming Beebots iCan Animate Animating objects iPad – StopMotion	eSafety4 Security and passwords iCan Model Computer modelling ican Direct Programming iMake Videos Digital media IPad - Camera	eSafety 5 Staying safe online iCan Stay safe Staying safe online iSearch online Online searching iPad – Picture Dictionary website iGuess Beasts Using digital tools iPad – Camera (scan QR codes) iCan Program Programming Beebots	iOrganise Data Data representation iCan Surf Browsing Laptop - internet iDo Mail Email iCan Report Combine images and text iPad – Camera and Seesaw
Y1/2 2 A	Y1 iSafe 4wks	Y1 iAlgorithm 6wks 'unplugged' activities to support understanding of algorithms	Y1 iProgram (Unit 1) 5-6wks Introducing programming Beebots	Y1 iWrite 4wks Creating and manipulating text Laptop – Microsoft Word	Y2 iAnimate 6wks Introduction to animation iPad – Stop Motion app	Y2 iBlog 6wks Introduction to Blogging iPad – Seesaw app	1 iLearnAI 6wks Introduction to Artificial Intelligence AI image generator *e.g. Canva* SchoolAI
Y1/2 B		Y1 iModel 4-5wks Computer Modelling	Y1 iProgram (Unit 2) 6wks Programming with Scratch Jr	Y1 iData 4-5wks Introduction to data representation	Y2 iPub 6wks Creating interactive eBooks	Y2 iProgram (Unit 1) 6wks Programming with Scratch	Y2 iSearch 5-6wks Using the Web to find things out

		iPad – Seesaw or Classroom to share interactive links	iPad – Scratch Jr	iPad – Seesaw or Classroom to share interactive links	Laptop/iPad - Microsoft PowerPoint iPad – Book creator or Canva app	Laptop – Scratch website	iPad – search engine Seesaw or Classroom to share interactive links
Y3/4 A	**Y3 iSafe 6wks**	**Y3 iProgram 6wks** **Programming with Scratch** Laptop/iPad – Scratch website	**Y3 iSimulate 5wks** **Exploring computer simulations** iPad – Seesaw or Classroom to share interactive links Laptop/iPad – Scratch website	**Y4 iAnimate 5wks** **Introduction to computer animations** iPad/Laptop – Wick Editor website	**Y3 iData 5wks** **Introducing Databases** Laptop – Microsoft Excel	**Y4 iPhotoEdit 5wks** **Digitally altering images** iPad - Canva app – Photo Editor	**Y4 iLearn AI 5wks** **Artificial Intelligence** Laptops – Teachable Machine website Scratch
Y3/4 B		**Y3 iConnect 6wks** **The Internet and the World Wide Web** Laptop – Seesaw to share links	**Y4 iData 5-6wks** **Data Representation** Laptop – Microsoft Excel	**Y3 iNetwork 4wks** **Introduction to computer networks** Laptop/iPad – Seesaw can be used to share links	**Y4 iProgram (Unit 1) 5wks** **Scratch Programming** Laptop/iPad – Scratch website	**Y3 iPodcast 6wks** **Editing Audio** iPad - GarageBand	**Y4 iProgram (Unit 2) 6wks** **Programming with TurtleArt & Robomind** iPad/Laptop – Turtle art website Laptop – RoboMind software
Y5/6 A		**Y5 iProgram (Unit 1)** **Programming** **Searching** Laptop/iPad – Scratch Children must log in to save their work as it builds each week. Create teacher account and make a class	**Y5 iCrypto** **Sorting and Networks** Laptop/iPad – Seesaw can be used to share links	**Y5 iWeb Y6** **Making webpages** Laptop/iPad – Seesaw can be used to share links X-Ray Goggles	**Y6 iProgram (Unit 1)** **Programming** Laptop/iPad – Scratch Children must log in to save their work as it builds each week. Create teacher account and make a class	**Y5 iModel** **Graphic modelling** Laptop – Tinkercad website Children must log in to save their work as it builds each week. Create teacher account and make a class	**Y6 iLearnAI** **Artificial Intelligence** Laptop/iPad – SchoolAI Machine Learning Website Scratch Seesaw can be used to share links

Y5/6 A		**Y5 iDraw** **Vector Drawing** **Laptop/IPad – Sketchpad website** **Children must log in with their Microsoft email account.**	**Y5 iEdit Video** **Video Editing** **iPad – Canva app – Video Editor**	**Y6 iData** **Spreadsheets** **Laptops – Microsoft Excel**	**Y6 iNetwork** **Networks, data and creating web content** **Laptops/iPads - Seesaw can be used to share links**	**Y6 iModel** **3D graphical modelling** **Laptops – SketchUp Software**	**Y5 iProgram (Unit 2)** **Programming** **Laptops – Microsoft Kodu Software**