

Subject Curriculum Progression: Computing (core concepts)

Computing	EYFS	Year 1/2	Year 3/4	Year 5/6
<ul style="list-style-type: none"> Computing 1 <p>Computer Science Understand and apply the concepts of computer science.</p>	<ul style="list-style-type: none"> Explore and operate Beebots Use range of technologies e.g CD player, torch, Ipad Identify different technology in action around school 	<ul style="list-style-type: none"> Understand what an algorithm is and how they are implemented on programmes on digital devices Understand that programmes execute by following precise instructions Give clear instructions to move a partner Predict & explain what will happen Create a simple program to make a Bluebot move When a Beebot has gone on an unexpected path debug to solve it 	<ul style="list-style-type: none"> Use Scratch to: design and write a program to move a sprite. Draw, rotate enlarge and flip a sprite. Begin to insert a repeat script to repeat an instruction. Debug and modify instructions within a script 	<ul style="list-style-type: none"> Use Scratch to: write more complex instructions incorporating previous skills/knowledge Add variables to change the appearance, motion and size of a sprite. Debug and modify instructions within a script Predict the effect of changing a variable. Design an instruction in response to a brief
<ul style="list-style-type: none"> Computing 2 <p>Digital Literacy Use a range of computing packages/multimedia.</p>	<ul style="list-style-type: none"> Use simple program on an iPad Use a simple app on I-pad 	<ul style="list-style-type: none"> Open laptop & log on Open and create digital content in Word and Paint programmes Save, retrieve and print work in Word and Paint Know how to manipulate and organise content in Word such as making lists and changing fonts Become familiar with keyboard navigation and begin to develop keyboard skills to be able to word process simple texts Introduce 2calculate to model data handling/pictograms Use 2calculate to make a simple graph Introduce 2investigate to model branching and sorting (after physical branching databases) 	<ul style="list-style-type: none"> In Word: cut, copy, paste & consider the presentation and layout. Understand the applications of and know how to use Powerpoint to: insert a text box, add images and links. Add slide transitions and animations Understand the applications of and know how to use Publisher to: insert a text box, add images Further develop keyboard navigation skills building speed, accuracy inc use of shift key Be aware of how to organise information within a package 	<ul style="list-style-type: none"> Word process accurately with reasonable level of speed Proficiently use a range of presentation styles and make presentation choices for a specific purpose. In Word: cut, copy and paste. Insert and create tables to display data In Powerpoint: insert a text box, add images and links. Add slide transitions and animations. Add videos and slide backgrounds Use Publisher to: insert a text box, add images. Choose a template and design layout Understand the applications of and know how to use Excel to: enter data, make a graph, write a formula, and interpret data Use a created document to present and share work with others

				<ul style="list-style-type: none"> • Explain and evaluate choice of package
<ul style="list-style-type: none"> • Computing 3 <p>Internet and Communications Use the internet and other platforms to communicate and share information</p>	<ul style="list-style-type: none"> • Recognise a range of technology is used in different places such as home and school • Explore a website opened by a trusted adult • Understand computers can be used to connect us to the internet • Use pictures and words to find information 	<ul style="list-style-type: none"> • Be aware of what emails are and how they are a tool to communicate with others • Understand that the internet provides a way of communicating with people • Explain which games/apps I enjoy and which I don't • Log on and use key applications on an online community (dB) 	<ul style="list-style-type: none"> • Know how to send, receive emails, communicate with others and access learning applications and upload work using DB Primary Platform • Use a range of search engines to find and research information • Be aware of word order and that results from searches are ranked • Be aware of the validity of information found on line 	<ul style="list-style-type: none"> • Use learning applications, email independently, and proficiently communicate safely on d B Primary Platform • Be aware of a range of internet services and the opportunities they offer to communicate and collaborate • Understand how searches are ranked • Question and evaluate the validity of information found on line • Be aware of plagiarism and the consequences of this
<ul style="list-style-type: none"> • Computing 4 <p>E-Safety Be responsible and safe users of technology.</p>	<ul style="list-style-type: none"> • Be aware of some of the dangers of online apps and games • Know what to do if I get in trouble or feel worried when playing a game 	<ul style="list-style-type: none"> • Know that strangers exist on line and in the real world • Know the importance of keeping personal information private • I know what to do if I get into trouble or feel worried when playing a game • Know where to go for help/who to tell 	<ul style="list-style-type: none"> • Performs internet searches successfully and safely • Know how to keep personal information safe • Know that some people they communicate with are unknown • Recognises acceptable/unacceptable behaviour on line 	<ul style="list-style-type: none"> • Use all technology safely • Behave and act respectfully and responsibly when on line • Identify a range of ways to report, flag up or block inappropriate content/behaviour on social media and apps

NOTE Removed Excel to: Create, refine and use charts, graphs and tables Do we add in 2 calcualte still???