

Computing Curriculum 2019 - 2020

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	<p>Programming – give instructions to a friend / control a Beebot</p> <p>Data – Talk about different ways to display data</p> <p>Multimedia – I can use a simple art / text program</p> <p>Tech – Recognise different forms of technology / home and community</p>		<p>Programming – Describe a set of instruction / use algorithm / predict an outcome</p> <p>Data – Collect data in a variety of ways</p> <p>Multimedia – I can use a keyboard(word bank) to enter text / save and retrieve work</p> <p>Tech – Use links to find information on websites</p> <p>E – Safety Week – 3rd – 7th Feb 2020</p>		<p>Programming – Software to create movements of an object / debug a program</p> <p>Data – Sort collect data and present in a visual way</p> <p>Multimedia – Save and retrieve work – edit work</p> <p>Tech – Identify benefits of using technology</p>	
1/2	<p>Programming – I can give specific instructions to control a Beebot.</p> <p>Data – I can talk about and different types of data</p> <p>Multimedia – I can use different software</p> <p>Tech – I can talk about different types of technology – home and community</p>		<p>Programming – I can create a simple program and explain what will happen.</p> <p>Data – I can collect a range of data and present in a visual format</p> <p>Multimedia – I can use a keyboard to add and delete text / save and retrieve work.</p> <p>Tech – Talk about the different IT uses – how they can help us.</p> <p>E – Safety Week – 3rd – 7th Feb 2020</p>		<p>Programming – I can program an object to move and debug for errors</p> <p>Data – To follow and create a simple branching database</p> <p>Multimedia – Use a keyboard to edit work, opening and saving work.</p> <p>Tech – To talk about the internet and its uses</p>	
2	<p>Programming – I can give and follow specific instructions / Order instructions</p> <p>Data – I can talk about and use different data collection methods</p> <p>Multimedia – I can use different technology to present my ideas / use a keyboard</p> <p>Tech – I can tell you why we use technology – home / community</p>		<p>Programming – Program a robot or software to do a task / Predict what will happen</p> <p>Data – I can make and save graph using data collected / talk about data</p> <p>Multimedia – I can use a keyboard to add, delete and space text, save, open and edit</p> <p>Tech – Identify benefits of using IT – search, creating, communicating</p> <p>E – Safety Week – 3rd – 7th Feb 2020</p>		<p>Programming – I can use programming software and debug any errors.</p> <p>Data – I can understand a branching database / Investigate questions / problems</p> <p>Multimedia –Use a keyboard to add, delete and space text, save, open and edit</p> <p>Tech – Difference between internet and physical world.</p>	
3	<p>Programming – I can break a program up into smaller parts</p> <p>Data – I can talk about data presentation / I can search a database</p> <p>Multimedia – Create different effects with different IT Tools</p> <p>Tech – Save and retrieve work / Parts of a computer</p>		<p>Programming – I can program for a specific purpose</p> <p>Data – Collect data to answer a question / Add extra information to a database.</p> <p>Multimedia – Combine text, graphics, sound, etc for a purpose.</p> <p>Tech – Communicating formats / WWW part of internet / networks</p> <p>E – Safety Week – 3rd – 7th Feb 2020</p>		<p>Programming – I can detect a problem, debug and retest a program for success.</p> <p>Data – I can make my own database / talk about data collected</p> <p>Multimedia – I can evaluate my work and improve its effectiveness.</p> <p>Tech – Searches to find appropriate websites / use of online content.</p>	
3/4	<p>Programming – I can break a program up into small parts I can talk about it.</p> <p>Data – I can present data effectively and search to find particular elements.</p> <p>Multimedia – Use software to use a range of multimedia for a specific purpose.</p> <p>Tech – Talk about different computer setups and storage frameworks</p>		<p>Programming – I can program to create a specific effect and debug.</p> <p>Data – Collect a range of data and create a database that can be searched and edited.</p> <p>Multimedia – Combine a range of formats eg. Text and graphics and modify where required.</p> <p>Tech – Safe online searching / WWW part of internet</p> <p>E – Safety Week – 3rd – 7th Feb 2020</p>		<p>Programming – I can debug and retest programs creating more complex effects.</p> <p>Data – I gather data and choose an effective presentation method.</p> <p>Multimedia – I can evaluate and improve my own work, sharing feedback with others.</p> <p>Tech – Talk about how a hyperlink works to find specific content.</p>	
4	<p>Programming – Use logical thinking to break a problem up into smaller parts.</p> <p>Data – Organise data in different ways / collect data and recognise errors</p> <p>Multimedia – Use photos, video and sound for a specific purpose</p> <p>Tech – Recognise different storage frameworks</p>		<p>Programming – Create cause and effect in a program / debug program</p> <p>Data – Plan, create and search a database</p> <p>Multimedia – Modify a range of documents – using specific tools - spellchecker</p> <p>Tech – Key words for safe online searches / reliability of online information</p> <p>E – Safety Week – 3rd – 7th Feb 2020</p>		<p>Programming – Create more complex programs / Cross curricular application</p> <p>Data – Choose the best way to present data.</p> <p>Multimedia – Share work online / give constructive feedback to others</p> <p>Tech – Create a hyperlink to a specific resource.</p>	
5	<p>Programming – Decompose a problem to design an algorithm for an outcome</p> <p>Data – Use a spreadsheet / database to collect data</p> <p>Multimedia – Use text, photos, sounds, video to create, refine and enhance work</p> <p>Tech – Describe the internet – forms, purpose / uses</p>		<p>Programming – I can refine a program using different commands</p> <p>Data – I can do simple and complex searches in a database</p> <p>Multimedia – Use a range of software to create content that can impact</p> <p>Tech – Search, evaluate information on web / Parts of a web page - construct</p> <p>E – Safety Week – 3rd – 7th Feb 2020</p>		<p>Programming – logical thinking, imagination and creativity to extend a program</p> <p>Data – Analyse data for mistakes and edit potential errors.</p> <p>Multimedia – Use learnt skills to create / review and improve work and discuss</p> <p>Tech – Web page content - advertising</p>	
5/6	<p>Programming – Deconstruct a problem and create an algorithm to solve it.</p> <p>Data – Use a spreadsheet / database to collect, create and search data.</p> <p>Multimedia – I can create using a range of multimedia.</p> <p>Tech – Different elements of the internet – forms, purpose and uses.</p>		<p>Programming – I can evaluate and refine a program testing outcomes</p> <p>Data – I can use the most appropriate type of search to find particular data</p> <p>Multimedia – Use a range of learnt skills to create content that can impact effectively</p> <p>Tech – Evaluate information on the web checking for reliability and web page construct.</p> <p>E – Safety Week – 3rd – 7th Feb 2020</p>		<p>Programming – To create and develop a program in a logical way.</p> <p>Data – Analyse data for errors, inputting, editing and evaluating.</p> <p>Multimedia – Evaluate and edit work, discussing effectiveness.</p> <p>Tech – Web page content – different formats of advertising – pop ups.</p>	
6	<p>Programming – Deconstruct a problem and solve using skills learnt</p> <p>Data – I can select the most appropriate tool to collect, create, search data</p> <p>Multimedia – I can use most effective tools for purpose</p> <p>Tech – Different communication / collaboration methods online</p>		<p>Programming – explain each part of an algorithm / evaluate and test</p> <p>Data – I can interrogate a range of different data</p> <p>Multimedia – Problem solve using skills learnt and show confidence to use new tools</p> <p>Tech – Reliability of content / understanding copyright / E – commerce</p> <p>E – Safety Week – 3rd – 7th Feb 2020</p>		<p>Programming – Develop program using a variety of variables</p> <p>Data – Create, search, evaluate, analyse, interpret data from different sources</p> <p>Multimedia – Evaluate and improve own work to increase effectiveness.</p> <p>Tech – E-commerce on the web</p>	