



St Paul's Church of England Primary School



“Don’t let anyone look down on you because you are young but set an example for the believers in speech; in conduct; in love; in faith and in purity.”

(1 Timothy 4:12)

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception						
Year 1	Basic Skills <ul style="list-style-type: none"> Use of mouse and keyboard Adding Captions and graphics 	Searching and Online Safety <ul style="list-style-type: none"> How to find information online Certain online behaviours may upset others and ourselves How we can use the internet to communicate but we must ask before we do something online 	Images <ul style="list-style-type: none"> Capture images both still and moving Create images and name files appropriately What to do if something online makes us feel upset, sad or embarrassed Information online can be copied. 	Programming <ul style="list-style-type: none"> Use of direction keys to complete challenges Create an algorithm list to solve a problem 	Data Handling <ul style="list-style-type: none"> Create graphs and pictograms using software Sort and classify items by asking yes/no questions 	Coding <ul style="list-style-type: none"> Use events to control objects Use code to make computer programs That code executes when a program is run Plan and make a simple computer program.
Year 2	Introduction to iPads <ul style="list-style-type: none"> Use iPads and upload images to VLE How passwords can protect us online Use of devices at home and school connected to the internet Edit images on the iPads using 	Electronic Communication <ul style="list-style-type: none"> Know that there are different forms of electronic communication Email features and open and reply to emails How to respond to online bullying 	Programming <ul style="list-style-type: none"> Understand what an algorithm is Understand that algorithms follow a sequence Design algorithms to a given problem Understand what debugging is and how this can 	Data Handling <ul style="list-style-type: none"> Create pictograms and bar charts after collecting data Create a branching database Understand voice activated searching 	Animation <ul style="list-style-type: none"> Understand that content online may belong to other people Understand what animation is Create images in sequence to form an animation Add sounds and transitions 	Music <ul style="list-style-type: none"> Make music digitally Add sounds to edit and improve Learn how music can express feelings and moods Understand how people may act differently online and offline












































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	the “mark-up” tool	and where to get help	solve problems in code	 Why some information online may not be true		
Year 3	Text and Multimedia <ul style="list-style-type: none">  Develop word processing skills and page setup  Use a variety of fonts  Create PowerPoints and edit content  Understand that we should only share information with people we trust and to keep passwords private 	Programming <ul style="list-style-type: none">  Understand how flow charts are used in programming  Select and use timers in programming for a purpose  Create and test a range of programs  Understand the repeat command 	Digital Research <ul style="list-style-type: none">  Understand the basics of digital research  Use key phrases in search engines  Understand the term identity and how people can represent themselves differently online  Understand that you don’t share personal information online. 	Images and Video <ul style="list-style-type: none">  Capture images and video on digital devices  Upload photos to VLE and download onto a computer  Edit images and video in suitable software  Understand that not all opinions shared maybe accepted by others 	Electronic Communication <ul style="list-style-type: none">  Understand what a computer network comprises of  Find network features  Understand how the WWW offers opportunities to communicate and collaborate  That knowing someone online is different to offline 	Animation and Graphics <ul style="list-style-type: none">  Use skills learnt in year 2 to create a short animation  Import music and own images into animation software  Understand that copying someone else’s work from the internet isn’t fair.  Not to spend too long on technology
Year 4	Using Images and Digital Media with Microsoft Office <ul style="list-style-type: none">  Create a project choosing appropriate software  Understand the internet is never fully private 	Introduction to Microsoft Excel <ul style="list-style-type: none">  Input data into a spreadsheet  Understand there are different types of data  Use a database to answer straightforward questions 	Text and Images <ul style="list-style-type: none">  Use cut, copy, paste and hyperlinks in PowerPoint  Create a PowerPoint for a specific audience  Create quizzes in PowerPoint and test each other’s 	An Introduction to AI <ul style="list-style-type: none">  Understand what AI is and identify real life examples of it  Understand how AI can help us  How AI may develop in the future and the 	Digital Research <ul style="list-style-type: none">  Analyse information for accuracy and make own decisions regarding content  Understand some methods used to 	Programming <ul style="list-style-type: none">  Create simple computer programs  Understand selection in computer programming  Understand how IF statements work



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	<ul style="list-style-type: none"> Some online services may seek consent Take photos for a purpose and upload Use a variety of layouts, formats and graphics for different purposes and audiences 	<ul style="list-style-type: none"> Create and compare graphs on Excel Understand how people should think carefully about what they post online and how it can upset or anger others. 	<ul style="list-style-type: none"> Understand that online and offline identity can be different Describe how to positively interact online and be respectful Understand that others online can pretend to be someone else Develop strategies for safe and fun online social experiences 	<ul style="list-style-type: none"> impact it may have How AI is being used to create music and art in the current world Benefits and risks of technology being designed to impersonate living things e.g. bots 	<ul style="list-style-type: none"> encourage people to buy things online Understand the term fake news How to find information about someone online and understand this information may have been created or copied. Research to check facts and the accuracy of information. 	<ul style="list-style-type: none"> Understand how IF/ELSE statements work Understand variables and number variables Create a playable game I can consider if I have permission to use content from online. I can give examples of content which I must not use without permission.
Year 5	Chromebook Key Skills <ul style="list-style-type: none"> To know how online identity can be changed or modified. Find information online and how it may not always be true Know when using the work of others is acceptable 	Electronic Communication <ul style="list-style-type: none"> Know the difference between the WWW and the internet How to recognise online bullying can be different than offline How to get help and report online bullying 	Programming <ul style="list-style-type: none"> Use repetition and selection in programs Use variables Design programs to accomplish a goal Use logical reasoning to develop strategies that can be used to debug 	Digital Research <ul style="list-style-type: none"> Know the benefits and limitations of different search technologies Evaluate digital content and how to make choices about what is trustworthy Know how to tell when online content has been 	Data Handling <ul style="list-style-type: none"> Collect data digitally using forms Collate collected data into a spreadsheet using “Google Sheets” Create digital graphs based upon the information 	Programming <ul style="list-style-type: none"> Simplify code Understand what a simulation is Create a playable game Know what decomposition and abstraction are Use decomposition to make a plan of a real-life situation



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	<ul style="list-style-type: none"> Use various layouts, formatting and graphics on ‘Google Docs’ Create hyperlinks and use transitions in ‘Google Slides’ 	<ul style="list-style-type: none"> Know to how block abusive users Select appropriate communication tools by collaborating and communicating within school 	<ul style="list-style-type: none"> algorithms and programs Understand what a strong password is and how to create one Understand app permissions and give examples Know of different electronic communication and that some people who I may communicate with may cause harm and when to tell a trusted adult 	<ul style="list-style-type: none"> sponsored or boosted. Understand the term stereotype Select the most appropriate search engine and develop key questions and words to search Use strategies to verify the reliability of information 	<ul style="list-style-type: none"> Find data and collate information from a large spreadsheet Present data to a specified audience and use the most appropriate method to organise and interpret data 	<ul style="list-style-type: none"> Understand different variable types Understand to use friction in code Create a string Understand concatenation and how it works
Year 6	Digital Research (Project Evolve) <ul style="list-style-type: none"> Know effective ways to manage passwords Know why we should keep software up to date and how to increase privacy in apps 	Sound <ul style="list-style-type: none"> Know how sharing online can have negative or positive impacts and how we should be kind and respectful online Know how to capture bullying 	Programming <ul style="list-style-type: none"> Identify and evaluate online content and why it is important to challenge inappropriate representations online Describe issues online that could make people feel 	Copyright and Search Engines <ul style="list-style-type: none"> Understand the terms ‘influence’, ‘manipulation’ and ‘persuasion’ and how they may be encountered online Analyse and evaluate the validity of ‘facts’ 	Programming <ul style="list-style-type: none"> Know common systems which regulate age related content Recognise and discuss the pressures that technology can place on someone Recognise features of persuasive design and how they are used to keep users engaged Assess and action different strategies to limit the impact of technology on health Use repetition and selection in programs Use variables 	



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	<ul style="list-style-type: none">Describe ways online content may target people for money or informationKnow the difference between disinformation and misinformationKnow how search engines workDemonstrate the use of search tools to find and access online contentMake reference to and acknowledge sources used.	<ul style="list-style-type: none">content and how to report online bullying.That taking or sharing things online may have unintended consequencesSelect and use devices to record soundManipulate and combine sound files to create a composition	<ul style="list-style-type: none">sad, worried or uncomfortableHow to have a positive online reputation and how to protect your digital personality and reputationDesign a playable gamePlan and use selection and variablesUnderstand how the launch command worksUse functions and understand why they are usefulUse flowcharts to test and debugCreate a simulation of a roomCreate a text-based adventure game	<ul style="list-style-type: none">and information and know why these strategies are importantKnow how companies and news providers target peopleDescribe the difference between online misinformation and disinformationKnow that information on a large number of sites may still be untrueIdentify if a file has copyright restrictionsUnderstand how search engines work and that there are different search enginesKnow what 'ranking' is	<ul style="list-style-type: none">Design and create programs using decompositionUse logical reasoning to develop systematic strategies to debug algorithms and programsUse programming software to create simulationsDesign, test and refine programs to control robots taking account of purpose and need.
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