

	Digital Literacy	Computer Science	Information Technology	
Year 1	 To know why I must keep my password private. To know what personal information is. To tell an adult when I see something unexpected or worrying online. To know why it's important to be kind and polite on line. To know what e-safety rules are an to be able to follow them. 	to create movement and patterns on a screen. To know what the word debug means and use it to correct mistakes when programming. To be able to give instructions to my friend (using forward, backward and turn) and physically follow their instructions.	Handling Data To be able to talk about the different ways in which information can be shown. To know which technology to use to collect information, including photos, video and sound. To be able to use technology to sort different f information and present it to others.	 Multimedia To be able to experiment with different technology tools. To be able to use technology to create and present ideas. To be able to use the keyboard or a word bank on my device to enter text. To know how to save information in a special place and retrieve it again.
APPs	 Search engine fhttps://www.kiddle.co/or kids Classroom management 	Scratch junior	•	
Expected outcomes	 Can create new document using listed APPs by choosing appropriate layout Can type up a short text with simple sentences using the backspace/shift/space/ enter/underline/bold/ punctuation keys appropriately, moving to a specific place in the text Can change the text colour/size/font in a basic word package Can combines text and images Can save their work with support from an adult 			

VOCABULARY - Website, start, technology, keys, information, algorithm, font, delete, programme, close, online, password, bold, debug, enter, video, appropriate, log, keyboard, robot, actions, space, press, backspace, sound, colour, network, buttons, switch, save, open, photographs, technology, algorithm, information, private, online, programming, debug, organise files, save as, save, folder



	Digital Literacy	Computer Science	Information Tec	hnology
Year 2	 To be able to explain why I need to keep my password and personal information private. To know why I should go online for a short amount of time. To know why it is important to be kind and polite online and in real life. To know the ber of using technologincluding finding information, creat and communicat To know the differences between the Internet and things in the phy world. I know that not everyone is who say they are on the Internet 	make something happen and talk about this as an algorithm. To know how to program a robot or software to do a particular task. To know how to use programming software to make objects move. To watch a program, execute and spot where it goes wrong so that I can debug it.	in different ways to collect information, including a camera, microscope or sound recorder. • To be able to make and save a chart or graph using the data I collect.	To know how to use echnology to organise and oresent ideas in different ways To know which online tool can be used to help share ideas with other people. To know how to save and open files on the device.
APPs	 Search engine fhttps://www.kiddle.co/kids – Classroom management Me online / Us online 	• Scratch Junior	•	
Expected outcomes	 Can use bold, italic, underline, text alignment and shift to create punctuation appropriately Load file from a folder Knows that text and images can be formatted (changed) Save own work into a folder mostly independently 			

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	Digital Literacy	Computer Science	Information Technology
Year 3	 To know what makes a password secure and why it is important. To know how to protect my personal information when I do different things online. To know how to use the safety features of websites as well as reporting concerns to an adult. To know which websites and games are appropriate for my age. To know how to save and retrieve work on the Internet, the school network or my own device. To be able to use search tools to find and use an appropriate website. To know whether to use online images in own work. To know to ask an adult before downloading files. 	 To know that an open-ended problem needs to be broken into smaller parts. To know how to put programming commands into a sequence to achieve a specific outcome. To know how to test a program and to recognise when it needs to be debugged. To be able to use repeat commands. To be able to describe the algorithm for a simple task. To understand branching databases 	 To be able to discuss different ways in which data can be organised. To be able to search a ready-made database to answer questions. To be able to collect to answer a question. To add information to a database. To be able to make a branching database. To be able use an appropriate tool to share work online. To be able to create different effects (page/text background colour /boarders) with different technology tools. To be able to combine a mixture of text, graphics and sound to share my ideas and learning. To be able to use appropriate keyboard commands to amend text, including spellcheck. To be able to evaluate own work and improve its effectiveness.
APPs	Search enginesClassroom managementMe online Digital Gamers	Scratch junior	•
Expected	 Can copy and paste text, images and web addresses from other sources (digital camera, internet site Can change page set-up e.g. portrait to landscape Can use cut and paste to re-order text 		
Outcomes	 Uses bullet points, speech bubbles, auto shapes and text boxes to enhance their work, bold, italic, underline, text alignment and shift to create punctuation appropriately Create and label simple graph Use Seesaw to hand out their work to the teacher 		

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	Digital Literacy	Computer Science	Informat	ion Technology
Year 4	 To be able to choose a secure password and screen name if using the website. To know to protect themselves and others from harm online. To know the safety features of websites as well as reporting concerns to an adult. To know that anything shared online can be seen by others. To know how to choose websites, apps and games that are age appropriate. To know to ask an adult before downloading files. To be able to identify whether a used resource is on the Internet, the school network or own device. To be able to use key words when searching safely on the World Wide Web. To know about the reliability of informatio read on the World Wide Web. To know how to create hyperlink to a resource on the World Wide Web. To be able to comment positively and respectfully online 	 an action within my program. To know that program needs to be tested while put together. To be able to use a variety of tools to create a program. To be able to recognise an error in a program and debug it. To know that an algorithm will help me to sequence more complex programs. 	 To be able to organise data in different ways. To be able collect data and identify where it could be inaccurate. To be able to plan, create and search a database to answer questions. To be able to choose the best way to present data to my friends. 	 To be able to use photos, video and sound to create an atmosphere when presenting to different audiences. To be confident to explore new media to extend what I can achieve. To be able to change the appearance of text to increase its effectiveness. To be able to create, modify and present documents for a particular purpose. To be able to use a keyboard confidently and make use of a spellchecker to write and review work. To be able to use an appropriate tool to share own work and collaborate online. To be able to give constructive feedback classmates to help them improve their work and refine own work.
APPs	 Search engines Classroom management E-safety lesson Seesaw – links 	Scratch		
Expected Outcomes	 Edits text and use a variety of presentation techniques and explaining choices of layout and formatting Can draft and redraft their written work by deleting, inserting and replacing text to improve clarity and create mood Can combine text graphics, sounds and a hyperlink in a presentation package and include simple animation (e.g. PowerPoint, iMovie) Create their own folders in their pupil folder to organise their work Use Seesaw confidently to hand out their work and recognise that work can be improved 			



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	Digital Literacy	Computer Science	Information Technology
Year 5	 To be able to explain that being protective is important and the best ways to done is reporting concerns to an adult. To know that anything posted online can be seen, used and may affect others. To be able to use a search engine to find appropriate information and check its reliability. To be able to talk about the dangers of spending too long online or playing a game. To know the importance of communicating kindly and respectfully. To know the importance of choosing an ageappropriate website, appor game. To know that computer or device need to be protected from harm. 	 to select an action. To be able to use logical reasoning to detect and debug mistakes in a program. To be able to use logical thinking, 	 To be able to use a spreadsheet and database to collect and record data. To be able to choose an appropriate tool to help me collect data. To be able to present data in an appropriate way. To be able to discuss mistakes in data and suggest how it could be checked. To be able to use text, photo, sound and video editing tools to present and refine my work. To be able to select, use and combine the appropriate technology tools to create effects that will have an impact on others. To be able to select an appropriate online or offline tool to create and share ideas. To be able to use text, photo, sound and video editing tools to present and refine my work. To be able to select, use and combine the appropriate technology tools to create effects that will have an impact on others. To be able to review and improve own work and support others to improve their work.
APPs	Search enginesClassroom managementEsafety lessons	Scratch	•



Begin to select appropriate tool and application independently

Can plan and organise their work independently

Expected Outcomes

- Can move, rotate and re-size shapes/images using picture format tool
- Can extend use of multimedia presentation to include importing images, hyperlinks and sounds recorded independently
- Can use transitions and animations in a movie or presentations independently
- Can evaluate own multimedia pages and recognise the features of good page design
- Can create own movie/short animation combining pictures, text, sound
- •Use Seesaw independently to hand out, receive and begin improving their work

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	Digita	l Literacy	Computer Science	Information Technology
Year 6	 To know the consequences of sharing personal information online. To know the consequences of spending too much time online or on a game. To know the consequences of not communicating kindly and respectfully. To know how to protect my computer or device from harm on the Internet. 	 To be able to select appropriate Internet services to fit different purposes. To know how information is transported on the Internet. To be able to select an appropriate tool to communicate and collaborate online. To know the way search results are selected and ranked. To be able to check the reliability of a website. To know what copyright is and acknowledge the sources of information that can be found online. To know that websites can use personal data to make money and target their advertising 	 To be able to deconstruct a problem into smaller steps, recognising similarities to solutions used before. To be able to explain and program each of the steps in own algorithm. To be able to evaluate the effectiveness and efficiency of own algorithm while continually testing the programming of that algorithm. To know when to use a variable to achieve a required output. To be able to use a variable and operators to stop a program. To be able to use different inputs (including sensors) to control a device or onscreen action and predict what will happen. To be able to use logical reasoning to detect and correct errors in a algorithms and programs. 	 To be able to select the most effective tool to collect data for my investigation. To know how to check the collected data for accuracy and plausibility. To be able to interpret collected data. To be able to present collected data in an appropriate way. To use own developed skills to interrogate a database. To be able to select a particular outcome. To be able to combine a range of media, recognising the contribution of each to achieve a particular outcome. To be able to select a particular online tool for a specific purpose. To be digitally discerning when evaluating the effectiveness of own work and the work of others.



APPs	Search enginesClassroom managementEsafety lessons	Scratch	
Expected Outcomes	 Can select appropriate tool and application independent Can combines the use of ICT tools for different purposes Has consistency across documents and presentations, us Can make effective use of transitions and animations in p Can create a range of hyperlinks and produce a non-linear Use Seesaw to hand, receive and improve work 	and audience ing the same styles of font, colour, size to bresentations. Consider their appropriat	

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