

Expectations	Vocabulary to use		Skills
 I can use text, photo, sound and video editing tools to refine my work. I can use the skills I have already developed to create content using unfamiliar technology. I can select, use and combine the appropriate technology tools to create effects that will have an impact on others. I can select an appropriate online or offline tool to create and share ideas. I can review and improve my own work and support others to improve their work. 	Animate Animation App Audience Bullet points Clipart Comic strip Document Edit Folder Font Greenscreen Insert Heading / sub- heading Hyperlink Layout	Narration Persuasive Right click Select Screen shot Shift Slides Software Sound effect Sound recording Storyboard Style Tab Vocabulary to develop Template Theme	 Use keyboard to confidently input text, characters and numbers Use bullet points Add text boxes Move, resize and rotate shapes, text and pictures Use common keyboard shortcuts on laptops and PCs Combine appropriate apps using the camera roll on a tablet Combine software to achieve effective outcomes. Work collaboratively on documents and presentations Create hyperlinks within and between documents
 Expected prior learning Create hyperlinks to websites Use spell checker effectively Use a variety of media to create atmosphere Provide and use constructive feedback 	Cross curriculum co English Capture learnir Choose to use historical, geog cultural, mathe learning	ntext ng in a topic technology to present praphical, religious, matical, or other	 Experiences Create documents and slides Presentation using slides Use greenscreen to create weather forecast Create audio including sound effects Use CAD to create a building
 Concepts and understanding Effective strategies can be used to refine work Skills and knowledge can be used with unfamiliar technologies Effective outcomes can impact on others 	Develop Computation Attitudes Comfortable making r Perseverance Imagination Collaboration	nal thinking E	xpectations: Computational thinker model http://bit.ly/compthinkingSomerset Skills Pattern recognition Decomposition Algorithm design Abstraction and generalisation

Year 5 Programming Knowledge Map



Support Services for Education

Year 5 Technology in our Lives Knowledge Map



Expectations	Vocabulary to use		Skills
 I can describe different parts of the Internet. I can use different online communication tools for different purposes. I can use a search engine to find appropriate information and check its reliability. I can recognise and evaluate different types of information I find on the World Wide Web. I can describe the different parts of a webpage. I can find out who the information on a webpage belongs to I know which resources on the Internet I can download and use. I can describe the ways in which websites advertise their products to me 	BlogSCitationSCitationSComputing devicesWCopyrightWEmailWDigital contentDigital advertisingDigital advertisingWHyperlinkddInternetFQR CodeFReliabilityInternetSearch engineF	Search result Search query Vlog Vebpage Vebsite Vorld Wide Web Vorld Wide Web Vocabulary to Vevelop	 Identify different parts of the internet Explain understanding Efficient web searching Distinguish between reliable and unreliable sources of information Recognise persuasion in advertising Recognise resources which can be downloaded (considering copyright) Cite sources of images and text Add positive comments online Use of safe alias in online community Effective navigation of Google Earth
 Expected prior learning Recognise different search engines Identify key words for searches Use filters for efficient searching Evaluate information online Recognise copyright and images that can be used World Wide Web is one part of Internet 	 Cross curriculum context English: ask relevant questions, explain understanding of information, use spoken language, identify main ideas, write for different purposes, distinguish between fact and opinion Investigate information for a topic Investigate information for historical, geographical, religious, cultural, mathematical or other learning 		 Experiences Explanation of different parts of the internet Explanation of how search engines work Evaluate content of a website Create a checklist to identify reliable information Investigate digital advertising Use Google Earth to explore earth and locality Participate in Scratch online community Consider access to the internet across world
 Concepts and understanding World wide web is one part of the Internet that includes websites Reliability of information Search results are selected and ranked by private companies 	Develop Computationa Attitudes Comfortable making mis Perseverance Imagination Collaboration	al thinking Example a stakes	Skills Pattern recognition Decomposition Algorithm design Abstraction and generalisation

Year 5 Data Handling Knowledge Map



Expectations	Vocabulary to use		Skills
 I can use a spreadsheet and database to collect and record data. I can choose an appropriate tool to help me collect data. I can present data in an appropriate way. I can search a database using different operators to refine my search. I can talk about mistakes in data and suggest how it could be checked. 	Chart Collect Complex questions Data Database Data logger Decision tree Field Graph Hypothesis Information Interrogate Interpret	Model Predict Questions Record Results Tally Sort Venn diagram Vocabulary to develop Anomaly Average Formulae	 Combine appropriate apps using the camera roll on a tablet Combine software to achieve effective outcomes. Work collaboratively on documents and presentations Interrogate information presented by others Plan an investigation Measure data in different circumstances Identify data type to collect – continuous or discrete Add to a spreadsheet Add to a database
	Investigate	Plausible	Graph information in database or spreadsheet
 Use a data logger (app or device) to sense and record discrete and continuous data Use an online database Plan an investigation Plan a database 	 English: ask relevant questions, explain understanding of information, use spoken language, identify main ideas, write for different purposes, distinguish between fact and opinion Maths: Use appropriate software and data loggers to create and interpret line graphs. Complete and interpret tables to present and understand information. Investigate and represent information for 		 Collect data about planets, create Top Trump cards Create a database or spreadsheet of planets Answer questions by interrogating database created by others Identify errors in a database or spreadsheet Present investigation findings to others Compare databases Consider conservation of water through data Learn about computer modelling Measure rainfall and compare to national data
	scientific, geograph other learning	nical, mathematical, or	 Plan an investigation about melting and cooling Investigate active lifestyle choices
 Concepts and understanding Data becomes information as it is interpreted and presented to others Data can be collected in different ways and may be discrete or continuous Plausibility of data 	Attitudes Comfortable making n Perseverance Imagination Collaboration	nal thinking	Skills Pattern recognition Decomposition Algorithm design Abstraction and generalisation