

Expectations	Vocabulary to use		Skills
<ul> <li>I can use photos, video and sound to create</li> </ul>	Animate/animation	Right click	Use a keyboard effectively, including the use of
an atmosphere when presenting to different	Арр	Select	numbers
audiences.	Backspace	Shift	
<ul> <li>I am confident to explore new media to</li> </ul>	Clipart	Slides	Know how to use spellcheck
extend what I can achieve.	Comic strip	Software	Be aware of keyboard shortcuts on laptons and
<ul> <li>I can change the appearance of text to</li> </ul>	Document	Sound effect	
increase its effectiveness.	Edit	Space bar	1 03:
• I can create, modify, and present documents	Enter	Storyboard	<ul> <li>Change font sizes and colour of text</li> </ul>
for a particular purpose.	Folder	Text	- Use appropriate careon conture and insert in
<ul> <li>I can use a keyboard confidently and make</li> </ul>	Font		
use of a spellchecker to write and review my	Greenscreen	Vocabulary to develop	document or presentation
work.	Image	Audience	Rename documents and other files
<ul> <li>I can use an appropriate tool to share my</li> </ul>	Insert	Lavout	
work and collaborate online.	Heading	Persuasive	Create hyperlink to a website
I can give constructive feedback to my	Hyperlink	Screen shot	Recognise appropriate online sources for clipart and
friends to help them improve their work and	Narration	Style	images
refine my own work.	Presentation	Template	inagoo
Expected prior learning	Cross curriculum context		Experiences
<ul> <li>Use images with variety of apps and</li> </ul>	English		•
software	Capture learning in a topic		Create a comic book
<ul> <li>Amend text by highlighting and using</li> </ul>	Choose to use	technology to present	Create a persuasive advert
select/delete and copy/paste	historical geog	raphical religious	Use music creation software
<ul> <li>Use save and save as</li> </ul>	cultural mathe	matical or other	Create and edit video
<ul> <li>Conv and rename files to edit</li> </ul>	learning		
Concepts and understanding	Develop Computatio	nal thinking -	I
<ul> <li>Tools can be used to create</li> </ul>			
atmosphere	Attitudes		Skills
Using constructive feedback and	Comfortable making n	nistakes	Pattern recognition
providing constructive feedback can	Perseverance		Decomposition
improve the effectiveness of outcomes	Imagination		Algorithm design
Appropriate tools allow collaboration	Collaboration	- 100	Abstraction and generalisation
<ul> <li>Using constructive feedback and providing constructive feedback can improve the effectiveness of outcomes</li> <li>Appropriate tools allow collaboration online</li> </ul>	Comfortable making n Perseverance Imagination Collaboration	nistakes	Pattern recognition Decomposition Algorithm design Abstraction and generalisation

## Year 4 Programming Knowledge Map



Support Services for Education

## Year 4 Technology in our Lives Knowledge Map



Expectations	Vocabulary to use		Skills
<ul> <li>I can tell you whether a resource I am using is on the Internet, the school network, or my own device.</li> <li>I can identify key words to use when searching safely on the World Wide</li> </ul>	Blog Communicate Computing devices Copyright email	Vlog Webpage Website World Wide Web	<ul> <li>Browse to a specified website</li> <li>Create hyperlink to a website</li> <li>Recognise appropriate online sources for clipart and images</li> <li>Check for reliability of information</li> </ul>
<ul> <li>Web.</li> <li>I think about the reliability of information I read on the World Wide Web.</li> <li>I can tell you how to check who owns</li> </ul>	Hyperlink Internet QR Code Reliability	Vocabulary to develop Citation	<ul> <li>Add knowledge to an online tool</li> <li>Identify key words to use for a search query</li> <li>Acknowledge work of other people</li> <li>Navigate school network</li> </ul>
<ul> <li>photos, text, and clipart.</li> <li>I can create a hyperlink to a resource on the World Wide Web.</li> <li>I can recognize that websites use</li> </ul>	Search engine Search result Search query	Filter	<ul> <li>Find a document on device or school network</li> <li>Create hyperlinks to content on world wide web</li> </ul>
different methods to advertise products			
Expected prior learning	Cross curriculum context		Experiences
<ul> <li>Use appropriate search engine eg Swiggle</li> <li>Use filters for efficient searching eg + and – and "</li> <li>Evaluate information online</li> <li>Recognise copyright and images that can be used</li> <li>World Wide Web is one part of Internet</li> </ul>	<ul> <li>English: ask releva understanding of in and order ideas, us identify main ideas, purposes</li> <li>Explore information</li> <li>Investigate informa geographical, religi mathematical or oth</li> </ul>	nt questions, explain formation, develop se spoken language, , write for different n for a topic tion for historical, ous, cultural, her learning	<ul> <li>Investigate a spoof website</li> <li>Discuss what is 'true' online and how we can check for reliable information</li> <li>Use online tool (eg Padlet) to share learning</li> <li>See the use of a citation to recognise the source of a photo and acknowledge source in own work</li> <li>Investigate and find resources on school network</li> <li>Create a guide to school network</li> <li>Add hyperlink to a webpage within project work</li> <li>Investigate use of different search engines</li> </ul>
Concepts and understanding	Develop Computatio	nal thinking <sub>E</sub>	xpectations: Computational thinker model <u>http://bit.ly/compthinkingSomerset</u>
<ul> <li>web pages need to be checked for reliability</li> <li>Sources of information must be acknowledged</li> <li>Digital information can be stored locally or online</li> </ul>	Attitudes Comfortable making m Perseverance Imagination Collaboration	nistakes	Skills Pattern recognition Decomposition Algorithm design Abstraction and generalisation

## Year 4 Data Handling Knowledge Map



Expec	ctations	Vocabulary to use		Skills	
<ul> <li>I ca cou</li> <li>I ca data</li> <li>I ca data</li> <li>I ca sha</li> </ul>	an organise data in different ways. an collect data and identify where it uld be inaccurate. an plan, create and search a sabase to answer questions. an choose the best way to present a to my friends. an use a data logger to record and are my readings with my friends.	Branching database Chart Collect Data Database Data logger Decision tree Graph Information Interpret Investigate	Predict Questions Record Results Tally Sort Venn diagram Vocabulary to develop Field Hypothesis	<ul> <li>Rename documents and other files</li> <li>Use appropriate screen capture and insert in document or presentation</li> <li>Add data to a graphing program</li> <li>Interrogate data</li> <li>Plan a database</li> <li>Create a branching database</li> <li>Sort a database to answer questions</li> <li>Use a data-logger or data logging app to record discrete and continuous data</li> </ul>	
<ul> <li>Expect</li> <li>Use sen</li> <li>Use coll</li> <li>Coll way</li> <li>Ger and nee</li> <li>Use brain</li> </ul>	e a data logger (app or device) to hase and record changes e appropriate apps and/or software to lect and record data llect and present data in different ys nerate questions for an investigation d make decisions about data that will ed to be collected e and answer questions from a unching database	<ul> <li>Cross curriculum context</li> <li>English: ask relevant questions, explain understanding of information, develop and order ideas, use spoken language to share learning</li> <li>Maths: Use appropriate software and apps to present and interpret data. Interpret data collected with data-loggers.</li> <li>Investigate and represent information for scientific, geographical, mathematical or other learning</li> </ul>		<ul> <li>Experiences</li> <li>Discuss differences between data and information</li> <li>Measure sound levels using a data logger or data logging app</li> <li>Record changes in noise levels</li> <li>Plan an investigation of sound insulation and present findings</li> <li>Use a graphing program or spreadsheet</li> <li>Create a branching database to sort and classify game characters</li> <li>Use an online database</li> <li>Search database to answer questions</li> </ul>	
Conce	epts and understanding	Develop Computation	onal thinking <sub>E</sub>	xpectations: Computational thinker model http://bit.ly/compthinkingSomers	set
<ul> <li>Dat con</li> <li>Info or c</li> <li>A data</li> <li>ans</li> </ul>	ta becomes information when it has a ntext and units of measure ormation can be collected as discrete continuous data latabase can be filtered to provide swers to questions	Attitudes Comfortable making r Perseverance Imagination Collaboration	nistakes	Skills Pattern recognition Decomposition Algorithm design Abstraction and generalisation	