

# Computing, Year 4, term 1: The Internet

Children will apply their knowledge and understanding of networks, to appreciate the internet as a network of networks which need to be kept secure. They will learn that the World Wide Web is part of the internet, and will be given opportunities to explore the World Wide Web for themselves in order to learn about who owns content and what they can access, add, and create. Finally, they will evaluate online content to decide how honest, accurate, or reliable it is, and understand the consequences of false information.

Threshold Concepts
Programming
Data handling and multimedia
Technology in our lives
E-safety

## Knowledge Areas

Generating	Debugging	Problem solving and logic	Research	Information	Presentation	Software	Privacy and personal information	Consent	Behaviour/citizenship
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<p><b>Key vocabulary</b></p> <ul style="list-style-type: none"> <li>internet</li> <li>World Wide Web</li> <li>browser</li> <li>website</li> <li>webpage</li> <li>network</li> <li>router</li> <li>accurate</li> <li>reliable</li> </ul>	<p><b>Generating</b></p> <ul style="list-style-type: none"> <li>Creating own online content using Chrome Music Lab</li> </ul>	<p><b>Information</b></p> <ul style="list-style-type: none"> <li>What can be shared on the World Wide Web and where websites are stored</li> <li>How we can access the World Wide Web on a variety of devices (laptop and ipad)</li> <li>Why some information online may not be honest, accurate, or legal</li> </ul>	<p><b>Privacy and personal information</b></p> <ul style="list-style-type: none"> <li>Deciding what should be kept in and out of a network to keep it safe</li> </ul>		
	<p><b>Software</b></p> <ul style="list-style-type: none"> <li>using a web browser and search engine</li> </ul>			<p><b>Behaviour/Citizenship</b></p> <ul style="list-style-type: none"> <li>Why I need to think carefully before I share or reshare content</li> </ul>	
	<p><b>Presentation</b></p> <ul style="list-style-type: none"> <li>The layout of a website</li> </ul>				<p><b>Consent</b></p> <ul style="list-style-type: none"> <li>Who owns the content on websites</li> <li>Rules to protect online content</li> <li>Relate this to principles of ownership and sharing in the 'real world'</li> </ul>
	<p><b>Research</b></p> <ul style="list-style-type: none"> <li>Accessing and searching for websites</li> <li>Analysing a website and identify the key parts</li> <li>Review online content and decide whether or not it's real/accurate</li> </ul>				
		<p><b>Technology in our lives</b></p> <ul style="list-style-type: none"> <li>When and why we use networks</li> <li>Role play being a network and a network of networks</li> <li>Identifying network devices in school</li> </ul>			

Adapted from material by National Centre for Computing Education