

Computing	Computing systems and networks – The Internet	Year 4	Autumn 1
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Key Knowledge

To describe how networks physically connect to other networks	<ul style="list-style-type: none"> I can demonstrate how information is shared across the internet I can describe the internet as a network of networks I can discuss why a network needs protecting
To recognise how networked devices make up the internet	<ul style="list-style-type: none"> I can describe networked devices and how they connect I can explain that the internet is used to provide many services I can recognise that the World Wide Web contains websites and web pages
To outline how websites can be shared via the World Wide Web (WWW)	<ul style="list-style-type: none"> I can describe how to access websites on the WWW I can describe where websites are stored when uploaded to the WWW I can explain the types of media that can be shared on the WWW
To describe how content can be added and accessed on the World Wide Web (WWW)	<ul style="list-style-type: none"> I can explain that internet services can be used to create content online I can explain what media can be found on websites I can recognise that I can add content to the WWW
To recognise how the content of the WWW is created by people – E-Safety	<ul style="list-style-type: none"> I can explain that there are rules to protect content I can explain that websites and their content are created by people I can suggest who owns the content on websites
To recognise the physical components of a network	<ul style="list-style-type: none"> I can identify how devices in a network are connected together I can identify networked devices around me I can identify the benefits of computer networks

Statutory requirements

- understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration
- use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
- select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

Key vocabulary

Spelling	Definition
Network	A group of interconnected computing devices
WWW	A service provided via the internet that allows access to web pages and other shared files
URL (Uniform Resource Locator)	A piece of hardware that is controlled by outputs from a computer
Web browser	A program used to view, navigate, and interact with web pages
Web page	A HTML document viewed using a web browser
Website	A collection of interlinked web pages , stored under a single domain

Possible experiences

- Make a rules poster for using technology at home – sit down as a family and set some boundaries e.g. time limits, supervised websites
- Play on different games at home and have a look at the parent settings together
- Try and access different websites using the internet at home – you could use Google to help you with a research project, for example
- Locate where your home wireless access point is and discuss how it works

What's on a website?

Here are some common parts of a website:

The image shows a screenshot of a BBC website. Labels with arrows point to various parts: 'Logo' points to the BBC logo in the top left; 'Links' points to the navigation menu at the top; 'Video' points to a video player showing a teddy bear; 'Text' points to a news article titled 'Bring and Buy for Children in Need'.