

Year 2 The Internet

This unit builds upon children’s understanding of how information technology can be used beyond school (Information Technology Unit), with a focus on using the Internet to search for information. Children are introduced to the terminology associated with the Internet, learning that it is a global network of computers. They learn that the World Wide Web refers to the pages that you see when browsing online and that it is just one part of the Internet (which also includes other things such as email, email and multiplayer gaming). Pupils are introduced to browsers as a way to access the web and learn that a web address identifies a webpage on the Internet. They discuss that a search engine is a program to help people find webpages on the Internet. Children are introduced to the hardware used to connect smart devices to the internet (modem, router, wires) and are taught how they work together to access the Internet.

Children learn about the layout features of a search engine and practise how to use a search engine to effectively retrieve relevant, purposeful digital content whilst being reminded of knowledge gained through the Project Evolve strand ‘Managing Information Online’ whereby they discussed that the information on the Internet comes from other people and that not all content on the Internet may be true. Through questioning, they recap prior knowledge of what to do if they see something that makes them feel sad, worried, frightened or uncomfortable online (covered in Year 1 Unit 1:1 and Internet safety lessons). Finally, pupils create a digital leaflet using the knowledge they have gained to help someone search for information on the Internet.

Knowledge covered:

NC	Ladders Objectives
Recognise common uses of technology beyond school	Y2-DL1 (KPI) I can identify some common uses of technology outside of the school Y2 – DL6 (KPI) I am building an understanding of the kinds of information that can be found online (including content that may not be true) and can use simple strategies to navigate the web
Use technology purposefully to create, organise, store, manipulate and retrieve digital content	Y2 – DL6 (KPI) I am building an understanding of the kinds of information that can be found online (including content that may not be true) and can use simple strategies to navigate the web Y2-IT1 (KPI) I can use technology to create a range of digital content (i.e. text based and image based) Y2-IT2 I can name, save and load my digital work Y2-IT3 I can edit digital content
<u>Use technology safely and respectfully</u> , keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	Y2-DL9 I can recognise that content on the internet may belong to other people

Medium Term Lesson Plan:

Lesson 1 Declarative (can be split over two lessons – the first to explain the terms and the second to recap the terms and complete the quiz)	L.I: I understand the terminology associated with searching (Follow Purple Mash Unit The Internet lesson 1. Include information about websites/webpages found in Purple Mash The Internet Unit planning lesson 3 and what a Search Engine is from Unit planning lesson 4....but do not complete the activities from these lessons)	S.C: Explain key terms Complete a quiz	<u>Key Question (from KWL)</u> What is the Internet? What is a Browser? What is the World Wide Web? What is a website? What is a web address? What does a search engine do? (Y2-DL6 KPI)
Lesson 2 Declarative	L.I: I understand how devices can connect to the Internet [Follow Purple Mash planning lesson 2]	S.C: Identify smart devices Describe how modems, routers and cables help to connect to the internet	<u>Key Question (from KWL)</u> What is meant by a Smart Device? (Y2-DL1 KPI)
Lesson 3 Declarative Procedural	L.I: I can navigate the web by using a search engine (Y2-DL6 KPI) (follow Purple Mash Unit 2.5 Lesson 4)	S.C: Identify the basic parts of a web search engine Learn how to read a web search results page Search the Internet for answers Know not all content on the Internet is true (Y2-DL6 KPI)	<u>Key Question (from KWL)</u> What does a search engine do? (Y2-DL6 KPI) How might you find answers to questions using the Internet/Web? (Y2-DL6 KPI) What are the layout features of a search engine? (Y2-DL6 KPI) How can you alter the search phrase to yield accurate results? (Y2-DL6 KPI) Who does the content on the web belong to? (Y2-DL9) Do you think all information that you find on websites true? (Y2-DL6 KPI) <i>*Prior knowledge (Y1-DL3 KPI)*</i> What should you do if you find something that worries you online?

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Lesson 4 (optional extra)	L.I: I can create a leaflet to help someone search for information on the Internet (Y2-DL6 KPI; Y2-IT1 KPI; Y2-IT3) (from previous Effective Searching Purple Mash planning, follow lesson 3)	S.C: Enter text Add images Include knowledge gained on how to search on the Internet Save work (Y2-IT2)	<u>Key Question (from KWL)</u> What is the Internet? What is a Browser? What is the World Wide Web? What is a website? What is a web address? What does a search engine do? (Y2-DL6 KPI) How might you find answers to questions using the Internet/Web? (Y2-DL6 KPI) What are the layout features of a search engine? (Y2-DL6 KPI) How can you alter the search phrase to yield accurate results? (Y2-DL6 KPI) Do you think all information that you find on websites true? (Y2-DL6 KPI)
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