Online Searchers and Surfers: Back to Your Future

National Curriculum: Use search technologies effectively, appreciate how results are select in evaluating digital content. Understand computer networks including the Internet; how they can p the World Wide Web; and the opportunities they offer for communicat	Lesson Duration This lesson will last approximately 60 minutes.	
Select, use and combine a variety of software (including Internet serv to design and create a range of programs, systems and content that a collecting, analysing, evaluating and presenting data and information. Aim: To create a magazine article using research skills to find information.	accomplish given goals, including	
Success Criteria I can type a URL into a web address bar. I can use secure and trusted websites. I can select information I need from a web page. I can use tabs to switch between different web pages to check facts. I can copy and paste images from a web page.	Key Vocabulary Copy, paste, tabs, transparent, filte URL, address bar, search engine.	rs, plagiarism, validity,
Resources PC devices, such as laptops and/ or Chromebooks Access to presentation or word processing software	Preparation True or False Assessment Activit Differentiated Article Checklist Activit	
Pens or pencils	Help from the Experts Activity Sh	
	It is advised that appropriate searce start of the lesson. In order to gather valuable data ab been and how much your children recommend completing the	out how effective this unit has have understood the topic, we

Prior Learning: In the previous lesson, the children will have learnt how to copy and paste images from a web page. They will have experimented with different methods for copy and paste as well as using colour filters on a chosen search engine.

Learning Sequence

Remember It: Help from the Experts: Using the Lesson Presentation, ask the children to complete the Help from the Experts Activity Sheet scenarios to write their solutions to the problem. You may give one scenario per group or give each group the full set of scenarios to complete.	
Research Detectives: Using the Lesson Presentation, ask the children what they would type into a search engine to find out about their birthday through the years. Show the children how to access the website <u>'</u> . They can experiment by looking for facts about their birthday on this website. Can the children explain how to know if this website is safe to use?	
On This Day: Using the Lesson Presentation, show the children the examples of the web page they will be using and how to type into the search bar to find facts about their birthday. Then explore the drop-down bars and filters.	
Widen the Search: Using the Lesson Presentation, explain that if we cannot find enough information, we can widen the search by looking on the Britannica website or by typing what is needed into another search engine.Can the children explain what they could do if they wanted to switch between multiple web pages at the same time?	



Designit: The children can create their own information poster to be displayed in a computing area of school, which explains how to use search engines, tabs, bookmarks and the many different ways to copy and paste. All information could appear on one poster or a group can be assigned a specific aspect, using one poster for each.

Assessment Notes:

Disclaimers:

We hope you find the information on our website and resources useful. This resource contains links to external websites and/or external apps. Please be aware that the inclusion of any link in this resource should not be taken as an endorsement of any kind by Twinkl of the linked website and/or app, or any association with its operators. You should also be aware that we have no control over the availability of the linked pages and/or apps. If the link is not working, please let us know by contacting TwinklCares and we will try to fix it although we can assume no responsibility if this is the case. We are not responsible for the content of external sites and/or external apps.

This lesson involves children searching on the Internet. Please be mindful of search terms/topics used and connotations that could result in inappropriate links and pages. Child-friendly search engines are advised. Ensure your firewall settings are set at the appropriate levels necessary and your anti-virus software is up to date. It is good practice to ensure screen content can be seen at all times and that children know what to do if they see something on the Internet that makes them feel uncomfortable.

Computing Online Searchers and Surfers

Computing | Online Searchers and Surfers | Back to Your Future | Lesson 6

Back to Your Future

Question Marks

This is Quizby. He is a question mark who loves to ask questions.



When you see a question mark icon like this in the **Lesson Presentation**, it can be clicked on to reveal one of Quizby's questions.



The questions that appear next to these question marks will help you to think about the key learning throughout the lesson.

Aim

To create a magazine article using research skills to find information.

Success Criteria

I can type a URL into a web address bar. I can use secure and trusted websites. I can select information I need from a web page. I can use tabs to switch between different web pages to check facts. I can copy and paste images from a web page.

Remember It: Help from the Experts!

Using the scenario sheet on your table, can you help to solve the problems with your team?





Research Detectives

You are going to research what happened on the day you were born. You will begin to do this by searching for information on a search engine.

What could you type in to the search engine? Discuss with a talk partner.



Research Detectives

One website you could use to research the facts is:

https://www.onthisday.com



On This Day

These filters allow you to look at specific elements of history such as the history of music, sport, film and TV.



On This Day

Now it is your turn to research your birth date by entering the day, month and year into the boxes below. Make sure you have 'all types' selected in the filters drop-down box.





On This Day

Have a look at the results and explore the interesting facts about the day you were born.

About April 4, 2014

Day of the Week: Friday How Long Ago? 8 years, 1 month and 15 days Leap Year: No Generation: Generation Alpha Chinese Zodiac: Horse Star Sign: Aries

🎵 Music Charts

#1 Song: Happy - Pharrell Williams

#1 Song: She Looks So Perfect - 5 Seconds Of Summer



Widen the Search

This Day in History, Ju-

0000

If you need to find more facts, you can use other websites such as typing in the URL address of the Britannica website: <u>https://www.britannica.com/on-this-day</u>. You can also type in **Britannica on this day** into a search engine.

It is important find and check information from multiple websites to check its validity.

and and the particular in some

If you wanted to switch between multiple web pages at the same time, what could you use to make this easier?

Make It Your Own!

Plagiarism

is when a person copies somebody else's work or ideas and pretends it's their own.

It is important that when you find information online, you read it carefully and then rewrite it into your own words when typing in to your document.



Calling All Editors!



You are going to create an engaging magazine article about the history of your birth date. Your task is to look back and travel through time until you reach your current birthday year, finding accurate facts along the way.

You could begin by looking back as far as 100 years, then 50 years, then 10 years. You could then look back at other years find even more interesting facts.

You could include: Calling All Editors!

famous births deaths music history

film history geographical history other events in history



Calling All Editors!

Think carefully about the layout of your article. It could be displayed with:

- Subheadings for each year
- Coloured boxes for each fact
- A timeline design
- Images to support the facts
- Coloured and bold fonts

This is your time to be creative!

Use your checklist to help you find information and ideas on what to include.

23 December





True or False?

Show what you know!

Remembering what you have learnt in the previous lessons about the Internet and search engines, you will now have the chance to put your knowledge to the test in a True or False quiz.

True or False?

Look at the statements below and tick if they are true or fains.





True or False Answers

1 The Internet and the World Wide Web are the same thing.

TRUE

It is only made up of numbers and

full stops like this: **5.62.42.77**

FALSE

- 2 Fibre-optic connections are quicker than copper cabl
- **3** An IP address is made up of letters and numbers
- 4 Submarine Cables are fibre-optic cables which trav He created the under the ocean.
- **5** Tim Berners-Lee created the Internet.

True or False Answers

- 6 Microsoft Edge and Google Chrome are search eng
- 7 A domain extension can be found at the end of a address.
- 8 You can paste an image by using the shortcut Ctr
- 9 You can save a web page and return to it later. This is called **shelving**.
- **10** You can connect household appliances such as fride, the Internet.



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To create a magazine article using research skills to find information.

Success Criteria

I can type a URL into a web address bar. I can use secure and trusted websites. I can select information I need from a web page. I can use tabs to switch between different web pages to check facts. I can copy and paste images from a web page.



To create a magazine article using research skills to find information.



Use the checklist below to help you with your magazine article.

What to include	Tick
Access a safe search engine.	
Type in: On this day	
Access a safe search engine.	
Type in: Britannica on this day	
Write facts in your own words.	
Copy and paste images using:	
 Right-click copy, Ctrl + V Right-click copy, right-click paste 	

Article Checklist

To create a magazine article using research skills to find information.



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To create a magazine article using research skills to find information.

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What to include	Tick
Access a safe search engine.	
Type in: Britannica on this day	
Type in the URL:	
https://www.onthisday.com/	
Access a safe search engine for more facts.	
Use key words to search for your birthday facts.	
Write facts in your own words.	
Copy and paste images using:	
• Right-click copy, Ctrl + V	
 Right-click copy, right-click paste 	$ \cup $
• Snipping tool	

To create a magazine article using research skills to find information.

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Type in the URL:	
https://www.britannica.com/on-this-day	
Type in the URL:	
https://www.onthisday.com/	
Use tabs to search between web pages.	
Search for extra information about your birthday using a safe search engine.	
Think about plagiarism. Write facts in your own words.	
Copy and paste images using:	
 Right-click copy, Ctrl + V 	
 Right-click copy, right-click paste 	
Snipping tool	
Use filters to:	
 Insert transparent images 	
• Insert a clipart image	

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Help from the Experts



Help from the Experts

Web chat query: Mateo has entered this information into the IT web chat. Please can you take a look and find a solution?	I am trying to copy an image but I want to make it so I can still see the background behind or through it. Everytime I paste the image I have copied, there is a big white square around it. How can I fix this?
Emailed query: Charlotte has emailed with a query relating to using images from web pages. Please can you provide the cor- rect information? Hint: You may need to look into filters for this one.	I want to use some images from web pages and use them for my own cake business. Am I able to copy any photo I would like from the search engine?
Text query: Leriel has a problem and cannot continue with his work until he gets a response. Please could you let him know the best ways to make this happen?	I want to copy and paste some images using the Snipping tool but I cannot remember the shortcuts I need to use on my keyboard. Also, when I use the Snipping tool, what other options are there as well as cutting rectangular shapes?

Help from the Experts Answers



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Write your solution

<u>He needs to select the</u> <u>'colour' filters when in</u> <u>an image search on the</u> <u>search engine. There will</u> <u>then be an option to select</u> <u>which says 'transparent'.</u>

Emailed query:

Charlotte has emailed with a query relating to using images from web pages. Please can you provide the correct information?

Hint: You may need to look into filters for this one.

Text query:

Leriel has a problem and cannot continue with his work until he gets a response. Please could you let him know the best ways to make this happen? I want to use some images from web pages and use them for my own cake business. Am I able to copy any photo I would like from the search engine?

Write your solution

There are copyright laws which mean you cannot use images as your own, that are owned by other people. You can use websites, such as Pixabay or Flickr which allow you to use

license-free images.

I want to copy and paste some images using the Snipping tool but I cannot remember the shortcuts I need to use on my keyboard. Also, when I use the Snipping tool, what other options are there as well as cutting rectangular shapes?

Write your solution

<u>The shortcut is to press</u> <u>these buttons together:</u> <u>the Windows logo key,</u> <u>the shift button and S.</u>

<u>You can make rec-</u> <u>tangular snips, freeform snips (cutting shapes</u> <u>around the information you want) and also</u> <u>screen prints of the full screen.</u>

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True or False?

Look at the statements below and tick if they are true or false.

		TRUE	FALSE
1	The Internet and the World Wide Web are the same thing.		
2	Fibre-optic connections are quicker than copper cables.		
3	An IP address is made up of letters and numbers.		
4	Submarine Cables are fibre-optic cables which travel under the ocean.		
5	Tim Berners-Lee created the Internet.		
6	Microsoft Edge and Google Chrome are search engines.		
7	A domain extension can be found at the end of a web address.		
8	You can paste an image by using the shortcut Ctrl + P		
9	You can save a web page and return to it later. This is called shelving .		
10	You can connect household appliances such as fridges to the Internet.		



True or False? Answers

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TRUE FALSE

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