




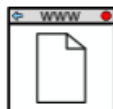





Vocabulary			Knowledge
System	A set of parts that work together to do a task		<p><u>What Is a system?</u></p> <p>A system is made up of different parts that work together to do a job. For example, a computer system includes the hardware (like the keyboard, mouse, and monitor) and the software (programs and apps).</p> <p><u>Networks and the Internet</u></p> <p>A network is when two or more computers are connected so they can share information. The largest network in the world is the internet, which connects millions of computers all around the globe. The internet allows us to send messages, watch videos, play games, and find information. The World Wide Web (WWW) is part of the internet and is made up of billions of websites. Each website has lots of webpages, and we can move between them by clicking hyperlinks.</p> <p><u>Search engines and how they work</u></p> <p>A search engine is a tool that helps us find information on the internet. When we type a keyword into the search box, the search engine uses its index (a big list of websites) to find matching pages. To build this index, search engines use crawlers, which are programs that travel across the internet and collect information about websites.</p> <p><u>Search algorithms</u></p> <p>Search engines don't just show any page; they follow a search algorithm to decide which results are most useful. The results are then shown in a ranking order, with the most relevant results at the top. This means that if you search "volcano facts," the search engine tries to give you the pages with the best and most useful information first.</p> <p><u>Checking information online</u></p> <p>Not everything we find online is true or reliable. We must evaluate the information we find by asking questions: Is this from a reliable source? Learning to check information helps us make sure what we are reading and using is correct.</p>
Network	A group of computers connected together to share information		
Internet	A worldwide network of computers that are all connected		
World wide web	A collection of websites and pages you can visit		
Website	A collection of linked pages on the internet		
Webpage	A single page on a website		
Hyperlink	A link you can click to go from one webpage to another		
Search engine	A tool that helps you find information on the internet		
Crawler	A program used by search engines to automatically explore and collect webpages		
Algorithm	A set of rules a computer follows to solve a problem or complete a task		

Quizzing		Quiz at home																											
Ask your partner the questions below. Can they find the correct answer on the right-hand side?		Ask your adult to look at the KO.																											
What is the largest network in the world?	Collects information from websites	Quiz them using the vocabulary and knowledge section or the quiz questions. <ul style="list-style-type: none"> • Can they beat your score? • Can they score more than 5? 10? • Compete with your adult in the elimination quiz. Take it in turn to ask each other questions. The first person to get a question wrong is out. 																											
What is a group of computers connected to share information called?	To decide which results are useful																												
What is a single page on a website called?	A word or phrase used to find information																												
What is the World Wide Web?	Network																												
What does a crawler do?	Search, watch videos and play games																												
Why do search engines use algorithms?	To check it is correct, reliable and useful																												
What is a keyword?	The internet																												
What does the internet allow us to do?	A collection of websites																												
Why do we evaluate information?	Webpage																												
BIG Questions		Beat the adult																											
<ol style="list-style-type: none"> 1. How would life be different if we didn't have the internet? 2. What are the good and bad things about having the internet? 3. Why is it important for computers to be connected in a network? 4. How could the internet be improved? 5. Why do you think search engines don't always give the same results to everyone? 	Your teacher can give 10 facts in 1 minute about this topic. How many can you give to your partner? 																												
Word scramble	Creative Tasks	Spot the systems																											
Unscramble the key vocabulary from this topic below. You can create your own at the bottom <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>sestym</td><td></td></tr> <tr><td>etkwnro</td><td></td></tr> <tr><td>neietnr</td><td></td></tr> <tr><td>bstiew</td><td></td></tr> <tr><td>ewapbeg</td><td></td></tr> <tr><td>keiyrplhn</td><td></td></tr> <tr><td>ewcralr</td><td></td></tr> <tr><td> </td><td></td></tr> <tr><td> </td><td></td></tr> </table>	sestym		etkwnro		neietnr		bstiew		ewapbeg		keiyrplhn		ewcralr						<ol style="list-style-type: none"> 1. Pick a topic (dinosaurs) and write down 5 different keyword combinations to find the best results online. 2. Design a colourful poster on how to search effectively. Add examples and illustrations. 3. Give family members a question and see who can find the answer fastest using smart keywords. 	Walk around your home and list all the digital systems you can see (TV, tablet, phone, Wi-Fi router, games console) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #d9ead3;">Systems</th> </tr> </thead> <tbody> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </tbody> </table>	Systems								
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Enquiry

Design a Search Engine

Imagine you are inventing a brand-new search engine. Draw or write what it would look like, what features it would have, and how it would make searching easier.

Knowledge

What Is a system?

A [] is made up of different parts that work together to do a job. For example, a computer system includes the [] (like the keyboard, mouse, and monitor) and the [] (programs and apps).

Networks and the Internet

A [] is when two or more computers are connected so they can share information. The largest network in the world is the [] which connects millions of computers all around the globe. The internet allows us to send messages, watch videos, play games, and find information. The [] [] (WWW) is part of the internet and is made up of billions of websites. Each [] has lots of [], and we can move between them by clicking **hyperlinks**.

Search engines and how they work

A [] is a tool that helps us find information on the internet. When we type a [] into the search box, the search engine uses its [] (a big list of websites) to find matching pages. To build this index, search engines use [], which are programs that travel across the internet and collect information about websites.

Search algorithms

Search engines don't just show any page; they follow a [] to decide which results are most useful. The results are then shown in a [] order, with the most [] results at the top. This means that if you search "volcano facts," the search engine tries to give you the pages with the best and most useful information first.

Checking information online

Not everything we find online is true or reliable. We must [] the information we find by asking questions: Is this from a [] Learning to check information helps us make sure what we are reading and using is correct.

Knowledge

What is a system?

Networks and the Internet:

Search engines and how they work:

Search algorithms:








Checking information online:








Write the definition for each of the following words

Write the vocabulary word for each definition

Vocabulary

Vocabulary

System		
Network		
Internet		
World wide web		
Website		
Webpage		
Hyperlink		
Search engine		
Crawler		
Algorithm		

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