

Question: Is the internet a good or bad thing and why?

Computing systems and networks- The Internet

National Curriculum Link:

-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

-Use technology safely, respectfully, and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

International Baccalaureate Learner Profile Link:

Balanced.

To understand the impact on my mind, body and emotions.
Understanding the impact on others.

Principled.

To take my time and think before acting.
To remain calm, thoughtful and deliberate in my actions.

Caring

What does it mean to be caring?
What people, actions and ideas do I care most about?
How do I show that I care through my actions and words?

Prior Skills: Year 3	New Skills: Year 4	Future Skills: Year 5
<p>To identify input and output devices.</p> <p>To explain that a computer system accepts an input and processes it to produce an output.</p> <p>To explain how a computer network can be used to share information.</p> <p>To explain the role of a switch, server and wireless access point in a network.</p> <p>To identify network devices around me.</p> <p>To explain how networks can be connected to other networks.</p>	<p>To describe how networks connect to other networks.</p> <p>To outline how information can be shared via the World Wide Web.</p> <p>To recognise that the World Wide Web is part of the internet.</p> <p>To explain that the global interconnection of networks is the internet.</p> <p>To recognise the need for security on the internet.</p> <p>To describe how to access the WWW.</p> <p>To describe the types of content that can be added, created and shared on WWW.</p> <p>To explain how the content of the WWW is created, owned and shared.</p> <p>To explain that the internet enables us to view the WWW.</p> <p>To describe the current limitations of the WWW media.</p> <p>To explain the benefits of the WWW.</p>	<p>To recognise that computers can be part of a system in an electronic device.</p> <p>To understand that computers can be connected together to form systems.</p> <p>To see that computers communicate with other devices.</p> <p>To recognise inputs, process and output in larger computer systems.</p> <p>To recognise how information is transferred across the internet.</p> <p>To recognise that data is transferred using agreed protocols.</p> <p>To recognise that connections between computers allow us to access shared stored files.</p> <p>To evaluate different ways of working together.</p> <p>To recognise that internet collaboration can be public or private.</p>

Knowledge, Skills and Understanding

To learn about the key services that can be used to communicate on the internet.

To recognise the main components (hardware) which allow computers to join and form a network.

To understand that search engines use algorithms to sort websites.

Challenge

<p>Resources: Hardware: iPads, Computers</p>	<p>Websites or Apps: https://www.bbc.co.uk/bitesize/articles/zmvdd6f https://www.internetmatters.org/issues/fake-news-and-misinformation-advice-hub/learn-about-fake-news-to-support-children/ https://www.youtube.com/watch?v=D0Cd9-eJ-No https://www.youtube.com/watch?v=RDOFt1tFYx8</p>
	<p>Extended Writing Opportunities: Rules on how to use Internet safely to other people.</p>
<p>Vocabulary: Networks, protecting, internet, sharing information, online, website, honest, true, fake news, share content</p>	<p>Numeracy skills: Tally chart data collection on the different apps people use then represent data in a variety of ways.</p>
<p>Suggested Quality Texts: Goldilocks online book Vodafone https://www.vodafone.co.uk/mobile/digitalparenting/goldilocks</p>	<p>WOW Experience: Acting company in to produce play on the dangers of using the Internet online.</p>
<p>Cross Curricular Links: Philosophy: Looking at using the Internet safely. History: Looking at the history of the Internet and social media.</p>	