



**Computing**

**Year 4**

**Term 1**

**Systems and Networks: The Internet**

**Key Question: How are networks connected?**

**National Curriculum Objectives:**

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

**Vocabulary**

Internet, network, router, network security, network switch, server, wireless access point (WAP), Website, web page, web address, routing, web browser  
World Wide Web, content, links, files, content, download, sharing, ownership, permission, information, accurate, honest, adverts

**Prior Learning:**

- In Year 3 the children learnt how computer are connected. They know that devices have input and outputs and process information. They identified computer network components in the school, the purpose of each component and how they are connected together to create a network to pass information.
- The children will use Chrome Music Lab in lesson 4. They have used this previously in Year 2 (Making Music unit)

**End Point:**

Complete end of unit assessment quiz to demonstrate learning from the unit.

**Safe and Responsible Use:**

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

**Digital Literacy Skills:**

- open, resize, reorganise and close windows,
- Use internet Services with independence.
- Navigate websites
- Use a search engine
- Continue to become familiar with a range of devices

**Knowledge:**

I know:

- how networks connect to other networks
- the internet is the global interconnection of networks (a network of networks).
- The internet enables us to view the World Wide Web
- that the World Wide Web is part of the internet and comprises of websites and web pages
- that information can be shared via the World Wide Web
- that security is needed on the internet
- That different types of content/media that can be added, created, and shared on the World Wide Web
- the content of the World Wide Web is created, owned, and shared by people

**Skills:**

**I can:**

- access the World Wide Web
- describe the current limitations of World Wide Web media
- evaluate the reliability of content and the consequences of unreliable content
- explain the benefits of the World Wide Web
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**Cross Curricular Links:**

- *PSHE* - Evaluating content for honesty and accuracy

**Oracy:**

Role play sending messages within and across networks.  
Provide sentence stems for exploratory discussion around online content

**Key Questions:**

1. How can you protect yourself from online identity theft?
2. How do networks connect to each other?
3. What is the internet?
4. What is the World Wide Web?
5. What is a website?
6. Who owns the Word Wide Web?
7. Can I believe what I read?