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| **Term Advent 1: The Internet**  **Subject Computing Year 4 Medium Term Planning** | | | | | | |
| **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 * 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. | | | | | | |
|  | Lesson 1 | Lesson 2 | Lesson 3 | Lesson 4 | Lesson 5 | Lesson 6 |
| **Learning intention for each lesson:** | I know how to describe how networks physically connect to other networks  (Disciplinary knowledge) | I know how to recognise how networked devices make up the internet  (Disciplinary knowledge) | I know how websites can be shared via the World Wide Web  (Disciplinary knowledge) | I know how to describe how content can be added and accessed on the World Wide Web  (Disciplinary knowledge) | I know how the content of the WWW is created by people  (Disciplinary knowledge) | I know how to evaluate the consequences of unreliable content  (Disciplinary knowledge) |
| **Recall and retrieval** |  | * Odd one out- A network needs protecting because… | * Describe 3 of the services the internet provides. | Vocabulary and meaning match | * To sequence pictures/sentences to explain how content can be added to the WWW | To list rules that protect content on the www. |
| **Sequence of knowledge throughout the lesson**  **:** | **Key Knowledge**   * To describe the internet as a series of networks. * To be able to demonstrate how information is shared across the internet. * Discuss why a network needs protecting. | **Key Knowledge**   * Describe networked devices and how they connect. * Explain that the internet is used to provide many services. * Recognise that the WWW contains websites and webpages. | **Key Knowledge**   * To know different types of media that can be shared on the WWW. * To know how to describe where websites are stored when uploaded on the WWW * TO know how to describe how to access websites on the WWW. | **Key Knowledge**   * To explain what media can be found on the WWW * To know how to recognise you can add content on the WWW | **Key Knowledge**   * To know how to explain that websites and their content are created by people. * To know who they think owns the content on websites. * To know how to explain that there are rules to protect content on the WWW. | **Key Knowledge**   * To know that not everything on the WWW is true. * To know how to explain that information on the WWW may not be honest, accurate or legal. * To know why people need to be careful before content is shared or reshared. |
| **Scaffolding** | To sequence pictures to explain how information is shared amongst many networks. | * Children will be able to explore the World Wide Web through different websites | Children will know what a web browser is | Chn to copy and add content to a webpage. | * Children will be able to identify who is the owner of the content, who created it etc. | Children will be supported to understand the importance of keeping content safe. |
| **Challenge** | Children will be able to explain how information is shared amongst many networks and how the internet helps with the sharing of information. | * Children will be able to explain what the internet is | Children will be able to describe how to access websites on the WWW | Children will be able to add their own content to a webpage | Children will be able to discuss what they should consider when sharing an image online | * Children will be able to explain why they need to think carefully before they share or reshare content |
| **Vocabulary** | Internet, network, router, network security | Network switch, server, wireless access point (WAP), router | Website, web page, web address, router, routing, web browser | World Wide Web, internet, content, website, web page, links, files | Website, use, content, download, sharing, ownership, permission | Information, sharing, accurate, honest, content, adverts |