Learning graph
Year 7 – Networks: from semaphores to the Internet

Define what a computer network is
• Exploratory: May motivate exploration, introduce an idea, provide an essential foundation, or the beginning of understanding.

List network hardware

Define ‘protocol’ and provide examples of non-networking protocols

Define what the internet is
• Landmark: Points where ideas are brought together or where ideas stem from. May expand flexibility and associations with other areas.

Explain how data is transmitted between computers across networks

Explain how data travels between computers across the internet

Compare wired to wireless connections

Explain the difference between the internet, its services, and the World Wide Web

Describe key words such as ‘protocols’, ‘packets’, and ‘addressing’

Explain the term ‘connectivity’

Describe how services are provided over the internet

Explain how the IoT can collect and share information about me with or without my knowledge

Describe how internet-connected devices can affect me

Describe components (servers, browsers, pages, HTTP and HTTPS protocols, etc.) and how they work together

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