Define what a computer network is

List network hardware

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

Define ‘bandwidth’, using the appropriate units for measuring the rate at which data is transmitted

Compare wired to wireless connections

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

Define what the internet is

Explain how data is transmitted between computers across networks

Compare wired to wireless connections

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

Explain how data travels between computers across the internet

Define the term ‘connectivity’

Explain how data travels between computers across the internet

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

Explain 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

Exploreatory: May motivate exploration, introduce an idea, provide an essential foundation, or the beginning of understanding.

Landmark: Points where ideas are brought together or where ideas stem from. May expand flexibility and associations with other areas.