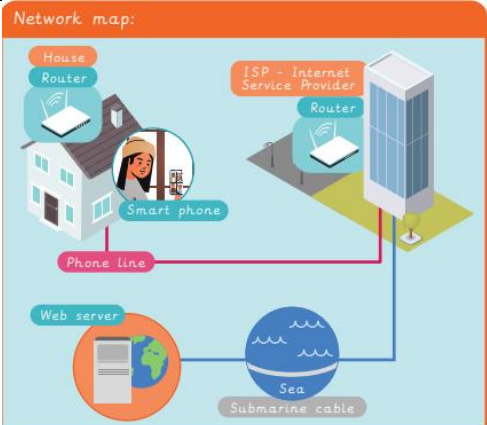


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| Year group: 3 | Term: Autumn 1 | Unit: Networks and the Internet |
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| Must have knowledge: <ul style="list-style-type: none"> - To understand what a network is and how a school network might be organised - To know that a router connects us to the internet - To know how the internet uses networks to share files | | |
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| <p>Key Vocabulary:</p> <p>Network: When more than one electronic device is connected in a network through the internet or a local connection in order to share files and information</p> <p>Internet: A worldwide network, enabling tens of millions of computers around the globe to share vast amounts of information, and communicate with other online users across the globe.</p> <p>Router- The main device responsible for providing internet access to a network, and can be connected through a wired connection or WiFi.</p> <p>Server: A computer or computer program that provides data and information to other computing devices.</p> | <p>Key skills</p> <ul style="list-style-type: none"> • To identify the key components within a network, including whether they are wired or wireless. • Recognising links between networks and the internet • Recognising how data is transferred |  <p>Network map:</p> <p>The diagram illustrates the connection between a local network (House Router, Smart phone) and the Internet Service Provider (ISP - Internet Service Provider Router). A Phone Line connects the House Router to the ISP Router. A Submarine cable connects the ISP Router to a Web server located in the Sea.</p> <p>The internet can be used for:</p> <ul style="list-style-type: none"> - Communicating (email, video call, voice call etc.) - File sharing - Websites - Uploading and downloading files - Streaming media (videos, music etc.) - Playing online games |
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