

Progress Page

Topic: Year 8 Unit 2 Computer networks



I should be working at: **ES** **GD**

Standard	Working toward	Expected progress
<i>ES1 I can explain what a network is, what hardware is needed to connect devices and the types of digital devices that can connect to a network.</i>	If you are working toward this, you are beginning to understand what a network is, starting to identify the hardware needed to connect devices, and recognizing some types of digital devices that can connect to a network.	At expected progress, you can explain what a network is, list the hardware needed to connect devices, and identify different types of digital devices that can connect to a network.
<i>ES2 I can explain the advantages and disadvantages of connecting devices on a network.</i>	If you are working toward this, you are starting to understand the advantages and disadvantages of connecting devices on a network, and can provide some basic examples.	At expected progress, you can explain the advantages and disadvantages of connecting devices on a network, and provide some examples to support your explanation.
<i>ES3 I can explain the difference between a hub and a switch. I understand devices can be wired and wireless connections.</i>	If you are working toward this, you are beginning to understand the difference between a hub and a switch, and recognizing the concept of wired and wireless connections.	At expected progress, you can explain the difference between a hub and a switch, and show an understanding of wired and wireless connections.
<i>ES4 I can state what a topology is and the different network topologies.</i>	If you are working toward this, you are starting to understand what a topology is, beginning to identify different network topologies, and recognizing some basic characteristics.	At expected progress, you can state what a topology is, list different network topologies, and explain the basic characteristics of each.
<i>ES5 I can state what a LAN and WAN is, and know the difference between them.</i>	If you are working toward this, you are starting to understand what a LAN and WAN are, and recognizing some basic differences between them.	At expected progress, you can state what a LAN and WAN are, and explain the basic differences between them.

Standard	Working toward	Expected progress
<i>ES6 I can state what a protocol is, name 2 or more of them and explain how data travels via telephone exchanges and travels across oceans.</i>	If you are working toward this, you are starting to understand what a protocol is, beginning to name some protocols, and recognizing the concept of data transmission via telephone exchanges and across oceans.	At expected progress, you can state what a protocol is, name at least two protocols, and explain the basic concept of how data travels via telephone exchanges and across oceans.
Standard	Working towards greater depth	Greater depth met
<i>GD1 I can explain the advantages and disadvantages of each topology and I can recommend a connection method for a given scenario.</i>	If you are working toward this, you are starting to understand the advantages and disadvantages of each topology, and can suggest some basic connection methods for given scenarios.	At expected progress, you can explain the advantages and disadvantages of each topology, and make reasonable recommendations for connection methods in given scenarios.
<i>GD2 I can explain the difference between WWW and the Internet. I can also explain about the history of the Internet and how it was developed.</i>	If you are working toward this, you are starting to understand the difference between WWW and the Internet, and recognizing some basic aspects of the history and development of the Internet.	At expected progress, you can explain the difference between WWW and the Internet, and provide a basic overview of the history and development of the Internet.
<i>GD3 I can explain the differences between using Wi-Fi, ethernet cable and fibre optic cable to transmit data.</i>	If you are working toward this, you are starting to understand the differences between using Wi-Fi, ethernet cable, and fibre optic cable to transmit data, and recognizing some basic advantages and disadvantages for each.	At expected progress, you can explain the differences between using Wi-Fi, ethernet cable, and fibre optic cable to transmit data, and provide some basic advantages and disadvantages for each.