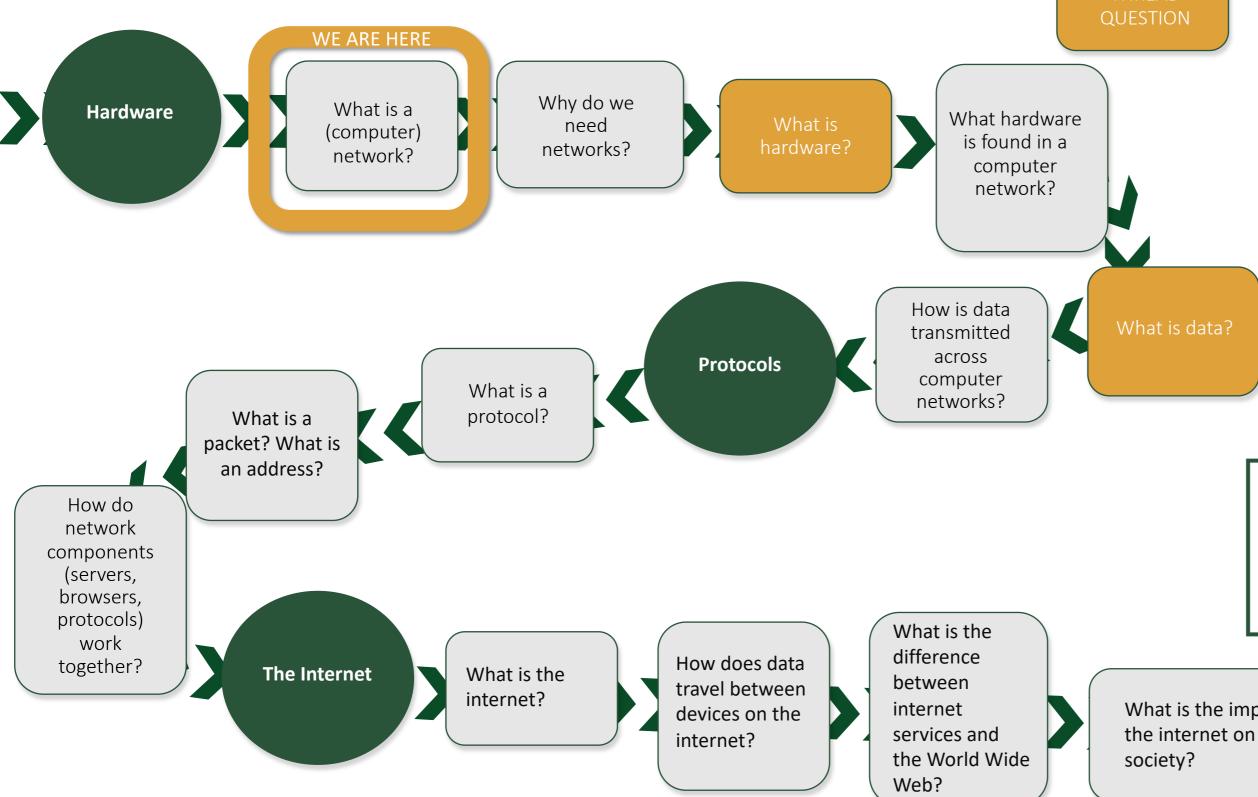
LEARNING JOURNEY COMPUTING **COMPUTER NETWORKS GOLDEN** THREAD



Year 8 Autumn Half Term 2

Imagine a world without computer networks, and how different your life would be. There would be no more YouTube, Google, instant messaging, online video gaming, Netflix, and iTunes. There would be no online shopping, or quickly looking up directions to a location at the click of a button. There would be no more sharing of files or peripherals such as a printer, and no more central backups of information. As networks have evolved, society has become increasingly reliant on the services that they provide. They have changed the way we learn, work, play, and communicate. This unit begins by defining a network and addressing the benefits of networking, before covering how data is transmitted across networks using protocols. The types of hardware required are explained, as is wired and wireless data transmission. You will develop an understanding of the terms 'internet' and 'World Wide Web', and of the key services and protocols used. Practical exercises are included throughout to help strengthen understanding.

TUDOR HABITS You will develop systematic thinking skills as you work through this unit.

VOCABULARY

Internet (of Things), World Wide Web, search engine, website, server, browser, (wired and wireless) network, router, hub, switch, ISP, metadata, data, protocol, packet, address, bandwidth, connectivity, 3G,4G,5G, node, host, client, VOIP

What is the impact of

