

Kit’s Guide to Global Networks

Learning objective: To understand the components and principles of computer networks and how data is transmitted.

Key Vocabulary

Use this word mat to support your understanding of network architecture. Terms are grouped by their function: Physical Infrastructure, Data Transmission, and Network Security.

Network A collection of computers and devi...	Server A powerful computer that provides se...	Client A computer or device that requests se...
Switch A device that connects multiple devi...	Router A device that sends data between dif...	LAN (Local Area ... A network covering a s...
WAN (Wide Area ... A large-scale network t...	Packet A small unit of data transmitted over ...	Protocol A set of rules that determine how d...
Bandwidth The maximum amount of data th...	Latency The time delay between a request f...	IP Address A unique numerical label assign...
Firewall A security system that monitors and...	Encryption The process of encoding informa...	Cloud Computing Storing and accessing da...
Explain why it is ...	Compare and con...	Justify why encr...
What might happ...	If you were desig...	Imagine a networ...