



SuperNovaSchool®
LEARN TO BE DISTINCT

Computing Grade 5

(Instructional Resource)

UNIT/STRAND

**Unit 3 Networks and Digital
Communication**

TOPIC

3.1 Network Hardware

Sub Topics

Session

2025-26

Prepared By

(Ms. Anooshay)

9/22/2025

SuperNova School – Computing – Grade 5 – Unit 3

1

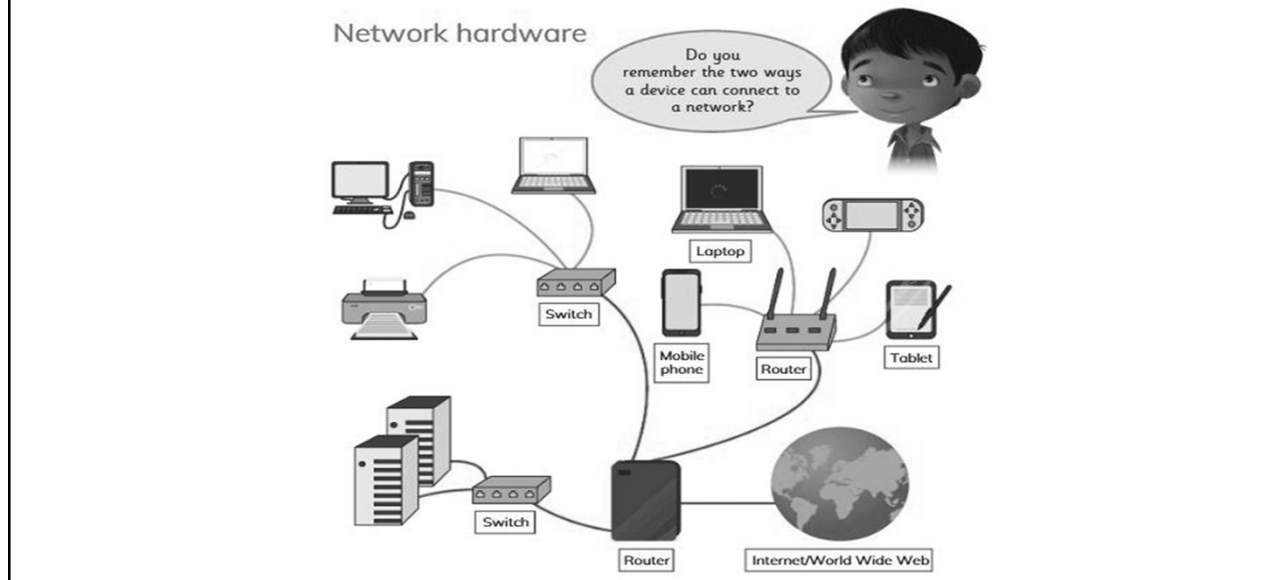
3.1 Network Hardware

Introduction to networks

- A network is a group of computers and devices that are connected to share information and resources. Networks allow people to send emails, share files, play games together, and use the internet.
- A network connects computers and devices to share information.
- Your school uses a network to connect all computers.
- Devices can connect using wires (Ethernet) or wirelessly (Wi-Fi).

3.1 Network Hardware

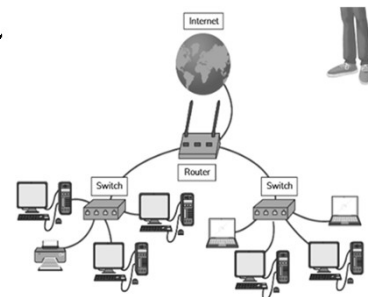
Introduction to networks



3.1 Network Hardware

Connecting with Wires (Switches | Routers)

- Wired connections use cables to link devices in a network.
- A **switch** connects devices in a local network and helps them communicate.
- A **router** connects networks together and sends data to the correct place, like from your home network to the internet.



3.1 Network Hardware

Connecting Without Wires

- Wireless networks use Wi-Fi to connect devices without cables. Devices like laptops, tablets, and phones can connect to a router wirelessly to access the internet. It gives more freedom to move around while staying connected.