

Reference Resources

Computer System

A computer system = Hardware + Software + People (Users)

Parts of a computer



Hardware

The things we can see and **touch**.

Hardware



Software

The things we **cannot touch**.

Software



Youtube



Paint



Google Chrome



TikTok



Facebook



Telegram



Viber



Canva

Input and Output Devices

Input Device

Input devices help us **put information into** the computer.

Input Devices



Mouse



Keyboard



Microphone



TV remote



Game Controller



Barcode reader



Scanner



Joystick

MPA International

Output Device

Output devices show or **give information** from the computer.

Output Devices



Digital Technology and Citizenship

How to Stay Safe Online

When we use the internet, we need to be careful and smart. Just like in real life!

1. Keep Personal Information Private

Don't share your:

- Full name
- Home address
- School name
- Phone number
- Passwords
- Birthday
- Photo of yourself

Only your parents or guardians should know these.

2. Talk to a Trusted Adult

If something online worries you, tell your teacher or parent.

3. Don't Talk to Strangers Online

Only chat with people you know in real life.

4. Use Strong Passwords

Create secret passwords and don't share them.

5. Visit Safe Websites

Use child-friendly sites your teacher or parents allow.

Unit-4

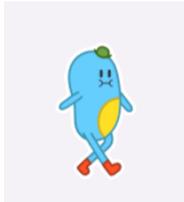
Screen programming

Algorithm – a set of instructions

Bug – a mistake (or) an error

Debugging – fixing mistake (or) fixing error

Precise - correct



Sprite



starting block



moving block



look block



sound block



repeating block



end block

Unit-5

Turtle world

Floor programming – giving and following commands on the floor

Command – an instruction to do something

Direction – the way to move

Forward → fd

Backward → bk

Clear screen → cs

Left → lt

Right → rt



moves **forward**
one step



right turn



moves **backward**
one step



left turn



clears all
commands



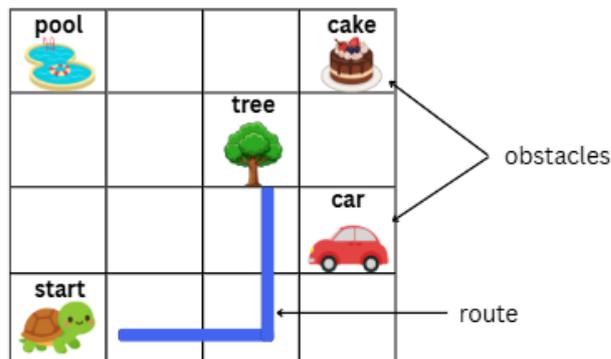
tells the
turtle to start
running the
commands



pauses the turtle part way
through the commands

Obstacles – something you cannot go through

Route – a path that you take to get from one place to another



Command → cs, fd2, lt, fd2, go

Unit 6
Network

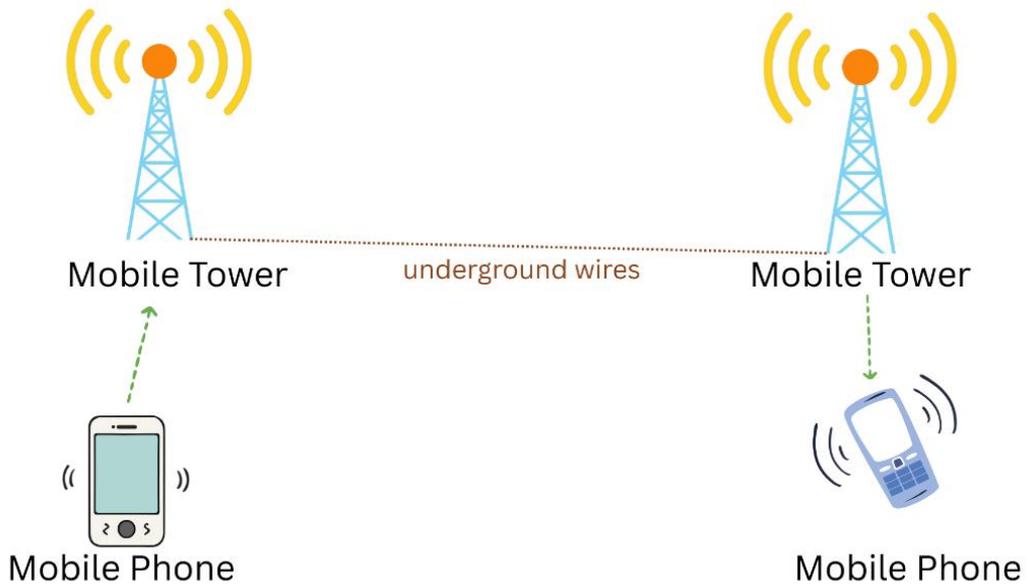
What is a network?

A **network** is a group of people or things. They are **connected** or **linked**.



Mobile tower – mast

Underground wires



MPA International School

Mobile Phone Network



Ground stations – track satellites



Satellites – orbits Earth

At least **four** satellites are needed.

