

How Does a Clock Work?

A clock is a tool that helps us know what time it is. There are many types of clocks, but let's learn about the most common kind: the **analog clock** (the one with hands on a round face).

Parts of a Clock

- **Clock face:** The round part with numbers from 1 to 12.
- **Hour hand:** The short hand that shows the hour.
- **Minute hand:** The long hand that shows the minutes.
- **Second hand:** The very thin hand that shows seconds (it moves fast).

How Does It Tell Time?

1. The clock has a tiny machine inside called a **mechanism** that makes the hands move.
2. This mechanism uses gears, which are like small wheels with teeth that turn each other at different speeds.
3. For every full turn of the **second hand**, the **minute hand** moves a little bit.
4. For every full turn of the **minute hand**, the **hour hand** moves to the next number.

So, the clock's gears work together to move the hands and show the exact time.

How Does the Clock Keep Going?

Some clocks use batteries to power the mechanism, while others need to be wound up. There are also clocks that use electricity or even sunlight!

Summary: Inside a clock, tiny gears and a mechanism work together to move the hands around the face so that we can see what time it is. The short hand shows the hour, the long hand shows minutes, and the thin hand shows seconds. This simple system helps us keep track of time every day!