

# What is Artificial Intelligence?

Student Self-Training Guide · Grade 5+ · Module 1 of 10

## 1. Introduction

Artificial Intelligence (AI) is the ability of a computer or machine to think, learn, and make decisions — just like a human brain does. AI is already all around you, and in this guide you will discover how it works and why it matters.

## 2. Simple Definition

### KEY CONCEPT

AI = Teaching machines to learn from examples, just like you learn from your teacher and practice.

## 3. AI in Your Daily Life

- YouTube & Netflix recommending what to watch next
- Google Maps finding the fastest route to school
- Siri / Google Assistant answering your questions
- Face unlock on your phone recognising your face
- Spam filters keeping junk email out of your inbox
- Auto-correct fixing your spelling while you type

## 4. Three Types of AI

Type	What it can do	Example
Narrow AI	One specific task only	Chess-playing computer
General AI	Any task a human can do	Still being researched
Super AI	Smarter than all humans	Does not exist yet

## 5. How Does AI Learn?

1. You give the AI lots of examples (called "data").
2. The AI finds patterns in those examples.
3. The AI uses those patterns to make predictions.
4. If it gets something wrong, it adjusts and tries again.

## 6. Self-Check Questions

- Name two AI tools you used this week.
- What is the difference between Narrow AI and General AI?
- Can a machine truly "think" the same way you do? Why or why not?

### ACTIVITY

Look around your home for 5 minutes. List every device or app that might use AI. Compare your list with a classmate.

