



What is Artificial Intelligence?

An Easy Introduction
For Beginners

Topics Covered

- What Exactly is Artificial Intelligence?*
- How does AI Learn?*
- AI in our Daily Lives*
- Activity - Spot AI*
- Quiz Time!*

What exactly is Artificial Intelligence (AI)?

Artificial Intelligence, or AI, is when computers or robots perform tasks that usually require human intelligence. This means AI can think, learn, solve problems, and even make decisions. AI helps computers learn from examples, understand patterns, and improve over time. Think of AI like a friend who learns by watching and practicing.

For example, have you ever talked to Siri or Alexa? They are AI helpers! They learn from the things you say and help answer your questions. Another example is Netflix. When Netflix suggests a show you might like, that's AI learning what you enjoy watching.

Quick Activity:

Can you think of other examples where you might have seen or used AI? Write or draw them here:

1. _____

2. _____

3. _____

How Does AI Learn?

AI learns similarly to how you do—by practicing, watching examples, and finding patterns!

When you watch YouTube videos, AI pays attention to what types of videos you like and how long you watch them. It notices which videos you thumbs up, and comment on. It uses this information to suggest new videos you'll probably enjoy, making its recommendations better each time.

This method of learning is called machine learning. Instead of being programmed with exact answers, AI learns by seeing lots of examples, just like practicing soccer or playing a musical instrument helps you improve.

Quick Activity:

Think of something you learned recently by practicing or watching someone else. How is your learning similar to AI learning? Write or draw your idea here:

A large, empty rectangular box with a thin black border, intended for the student to write or draw their response to the quick activity question.

AI in Everyday Life

AI isn't just in computers—it's everywhere around you, helping make daily life easier and more fun!

Here are some examples you might recognize:

- **Video Games:** AI helps characters act and react like real people or creatures, making games challenging and exciting. Everytime you play against the computer or Non Playable Character, you are playing against AI
- **Social Media:** AI helps apps like TikTok and Instagram show you posts and videos you'll like, based on what you've enjoyed before.
- **Face Filters:** Apps like Snapchat and Instagram use AI to recognize your face and apply filters or special effects automatically.
- **Self-Driving Cars:** This is a newer piece of AI technology and is still being worked on, but there are some Cars that drive themselves using AI to see what's around them and decide how to safely get from place to place.

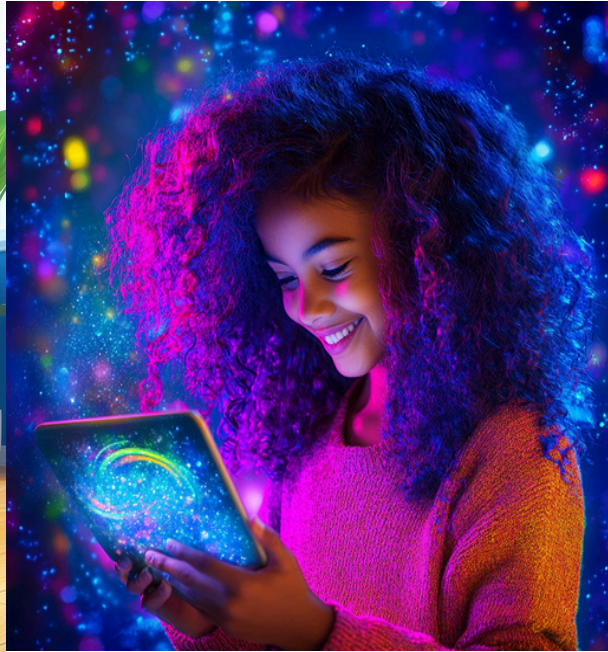
Quick Activity:

 Circle the examples above you've personally experienced, and write one new example you can think of:

My AI Example: _____

Activity - Spot AI

"Below you'll see four images of everyday places. Circle or highlight areas/items where AI is likely being used. Can you spot them all?" Fun fact - these images were generated using AI! We will have tutorials available on this shortly!



Quiz Time!

- 1. What does AI stand for?**
 - a) Amazing Ideas
 - b) Artificial Intelligence
 - c) Automatic Information
- 2. How does AI learn new things?**
 - a) By being told exactly what to do once
 - b) By seeing lots of examples and practicing
 - c) AI doesn't learn new things
- 3. Which of these is an example of AI?**
 - a) A rock
 - b) Netflix recommending movies
 - c) A regular pencil
- 4. When you play a video game against a computer character, what are you playing against?**
 - a) Another human
 - b) AI (Artificial Intelligence)
 - c) A real animal
- 5. Which of these apps uses AI to suggest videos you might like?**
 - a) YouTube
 - b) Calculator
 - c) Weather app
- 6. AI learns best when it:**
 - a) Sees many examples and finds patterns
 - b) Is given a single instruction
 - c) Is turned off
- 7. True or False: AI can only be found in desktop computers.**
 - a) True
 - b) False
- 8. What's another example of AI that you see in daily life? (write or draw below)**

Answer Key

Activity - Spot AI



Phone, Robot Vacuum, Computer



Tablet



Cars, Street Lights



Security Cameras, Digital Screens

Answer Key

Quiz Time!

1. **What does AI stand for?**
 - b) Artificial Intelligence
2. **How does AI learn new things?**
 - b) By seeing lots of examples and practicing
3. **Which of these is an example of AI?**
 - b) Netflix recommending movies
4. **When you play a video game against a computer character, what are you playing against?**
 - b) AI (Artificial Intelligence)
5. **Which of these apps uses AI to suggest videos you might like?**
 - a) YouTube
6. **AI learns best when it:**
 - a) Sees many examples and finds patterns
7. **True or False: AI can only be found in desktop computers.**
 - b) False

Congratulations on finishing the training course!

