

Welcome, AI Explorer!

Congratulations on starting your journey into the amazing world of Artificial Intelligence!

This workbook will be your guide as you learn, play, and create with AI.

A Message From Your Instructor

“I’m so excited to have you on this adventure. Remember, the best way to learn AI is to be curious, ask questions, and try out your own ideas. Don’t worry about getting everything right the first time. Exploring and experimenting is how real inventors learn!”

— Rooven Pakkiri, AI Instructor



How to be a great Explorer:

- 🚀 Bring this workbook to every session
- 🤖 Use the spaces to write your ideas
- 💡 Share what you’ve learned with family and friends
- ★ Have fun and stay curious!

About this Workbook

This workbook is your guide for the AI Explorers course. Each week you'll find short explanations, space for your own notes and drawings, and fun activities to try at home. By the end, you'll have a record of everything you've learned — and a certificate to celebrate your journey.

All images in this book are AI generated.

The Four Icons

To help you along the way, look out for these four icons — they'll show you what each section is about:



Learning → Key ideas and explanations



Safety → Notes about using AI responsibly.



Hands-On Exercise → Activities and challenges to try.



Tips & Hints → Helpful suggestions and fun facts

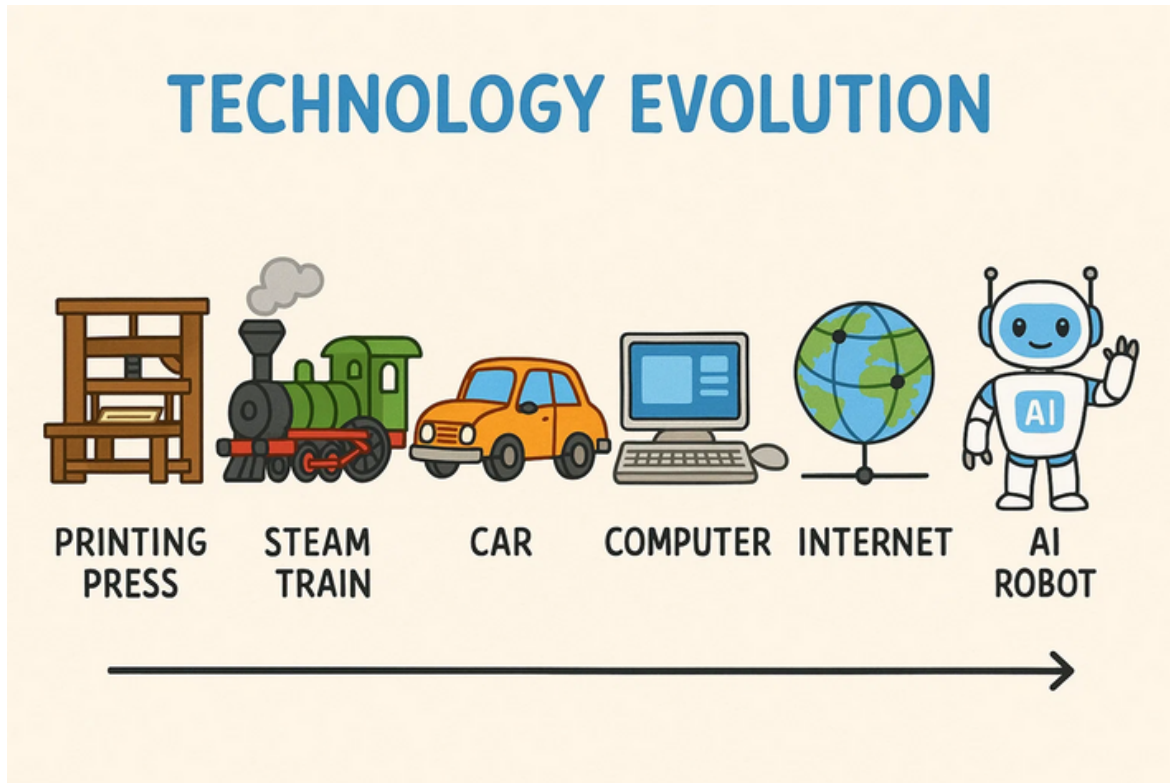
About The AI for Kids Academy

At The AI for Kids Academy, we believe young people should grow up understanding the technology shaping their future. Our courses make Artificial Intelligence exciting, safe, and creative — giving children the confidence to explore, experiment, and imagine with AI.

Week 1 - What is AI?



Lets see how AI fits in as a **next step technology!**



In this picture we can a sequence of inventions that allowed humans to continually improve their lives.

Let's discuss this.



Week 1 - What is AI?

Exercise 1: Using the picture, can you think of other inventions that have helped humans to improve their lives?

Use the **space below** to write down your ideas. Remember you're an AI Explorer so look around you and see what you can find.

Exercise 2: Now that you have listed some other inventions, here is a slightly harder exercise:
Can you think about why these other technologies are **different to AI**?

NOTE: Don't worry if you haven't got all the answers to these exercises. Just ask you parent / guardian to share their answer guide book where there are more ideas and explanations.





Week 1 - What is AI?

Now let's talk about how AI is **different** from other inventions. At the end of the class we will try AI ourselves to see if it really is different

Imagine a regular computer program is like a cooking recipe. It has a list of steps to follow, and it can only do what the recipe tells it to do. If you want it to make a different kind of cake, you have to give it a **brand new recipe**.

AI is different. You can give it lots of different cake recipes and it will study them to figure out what makes a cake a cake. Then, if you ask it to "bake a cake," it can come up with its **own unique cake recipe** based on everything it has learned. It doesn't need a specific recipe from you every time.

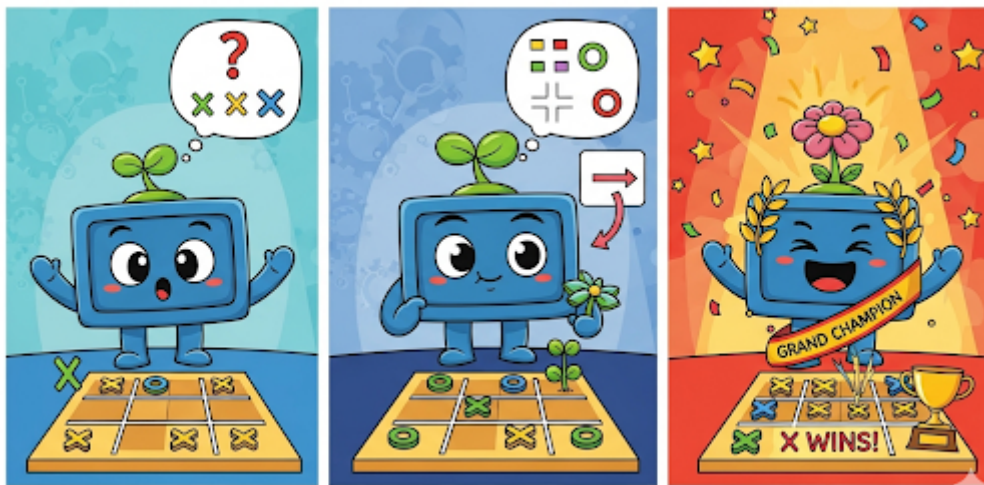


Week 1 - What is AI?

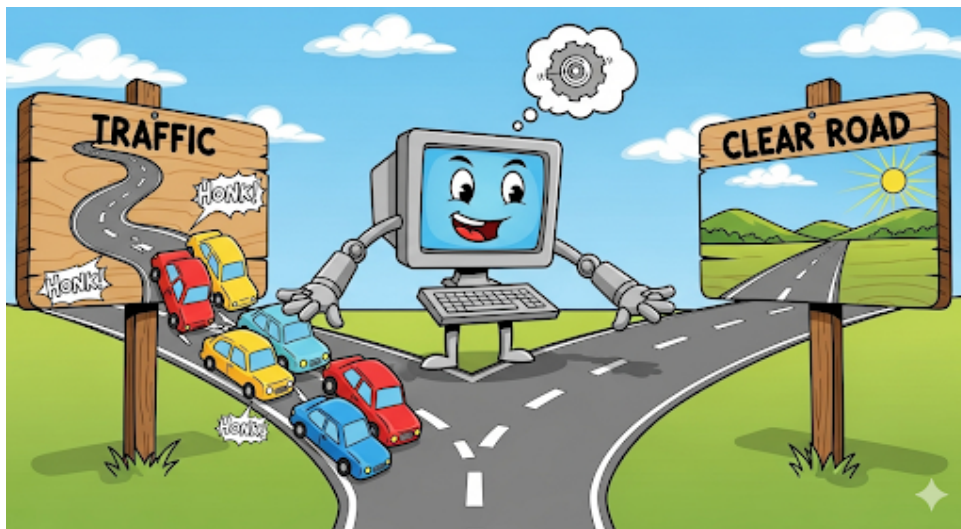


Here are a few key differences:

Learning: Other technologies follow pre-set rules, but AI uses algorithms to find patterns in data and learn. It gets smarter over time, like how Alexa or Siri improves at understanding your voice the more you use it.



Decision-Making: AI makes decisions based on what it has learned, like recommending songs on Spotify or choosing the best route on Google Maps. Other technologies just follow commands without making choices.

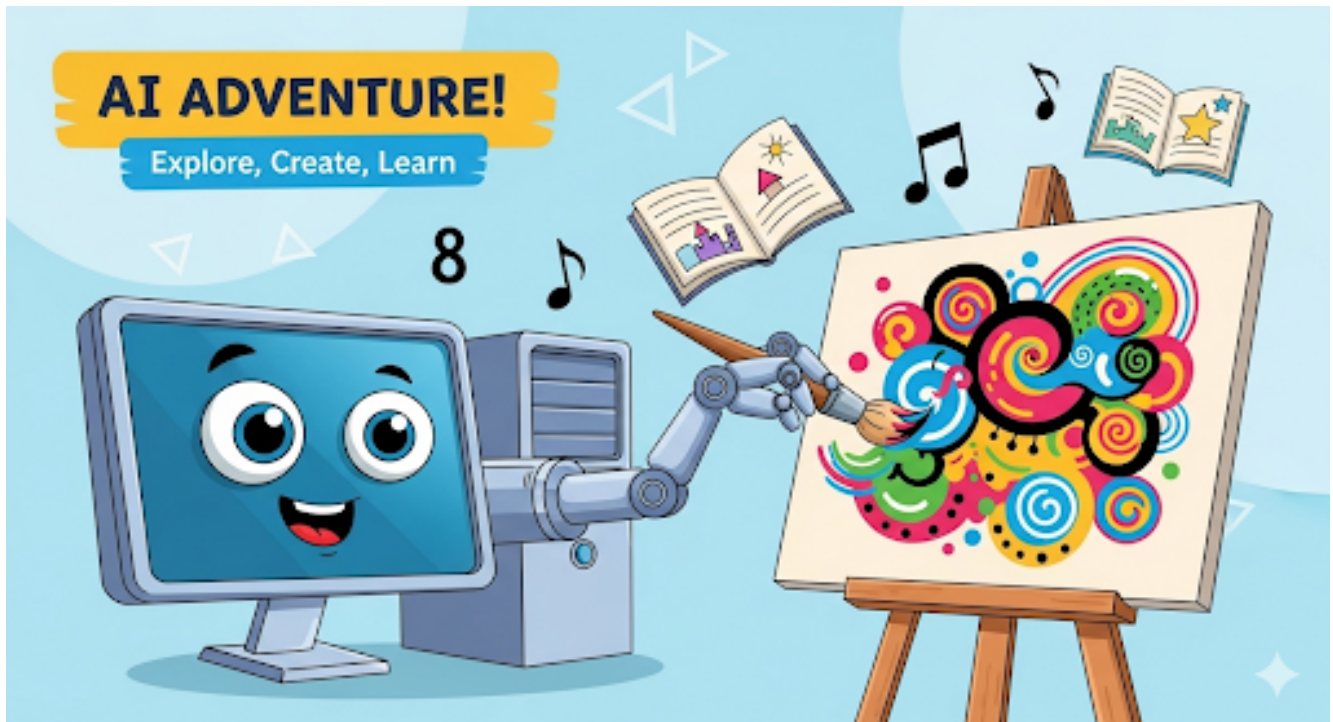


Week 1 - What is AI?



Creativity: Some AI can even be creative, like a human! Generative AI can produce new pictures, stories, and music from the examples it has studied.

With other technologies and inventions you are limited to a set of fixed rules, and the other inventions cannot think for themselves.



Week 1 - AI Safety



Do not tell AI your full name and where you live or any other private information



Remember as friendly and helpful as AI is, it is still someone who is NOT part of you family and so you **need to be careful**. Everything that you tell AI is collected and shared to help it get smarter and faster.

It doesn't need your full name or your family details to get smarter and faster, so please **do NOT share these things with AI** just as you would not do so with a stranger.

AI Safety:
Always ask a grown up if you are not sure



Important: AI can make mistakes or misunderstand your request. So if you are not sure about anything please **check with your parent/guardian or just ask us!**

