

Using AI tools responsibly

AI safety

Using AI tools responsibly

Activity links:

[Video activity \(slides 4–8\)](#)

[Check AI challenge \(slides 9–25\)](#)

[My AI principles \(slides 26–31\)](#)

Using AI tools responsibly

In these sessions, you will:

- Choose AI tools that you might want to use to help you complete tasks
- Compose a list of your responsibilities when using AI tools
- Build a set of expectations of fairness, accountability, and transparency around AI tools available to teens

AI systems as tools

AI tools are not human

AI systems do some really complex things, and that can lead to comparing them to humans.

AI tools are just another form of **computer system** – they are a tool that you need to use responsibly.

It is also important to hold developers **responsible** for making tools as safe and fair as possible.

AI as a tool



[Watch the video on YouTube](#)

The language of AI tools

It's important to be careful with the language you use when talking about AI systems.

Look at the two sentences about AI systems.

How would you change the language to make them sound less human and more like a computer system?

The AI application sees the shape of the fruit and tells you what it is.

I let an AI application create images for art class.

The language of AI tools

It's important to be careful with the language you use when talking about AI systems.

Look at the two sentences about AI systems.

How would you change the language to make them sound less human and more like a computer system?

The AI application analyses the shape of the fruit and outputs what it is.

I used an AI application to generate images for art class.



CheckAI challenge

Using AI tools responsibly

CheckAI Youth Task Force

CheckAI are looking for young people to guide the world towards a responsible AI future.

You have all been invited to try out for the Youth Task Force (YTF).

To join the YTF you will need to complete **three challenges**.

CheckAI Youth Task Force

You will complete these challenges in groups of 3.

The YTF meets at CheckAI's main base, which is kept secure with a secret code.

Each challenge will get you a part of the code needed to enter the base.

Every team who enters the base will join the YTF.

CheckAI Youth Task Force

The challenges are also a competition.

You will receive points for every challenge.

The highest scoring teams will get extra rewards at the end.

Team up

Select who you will work with to complete the challenges.

Get into teams of 3!

Team up

You will have a team leader for every challenge. Everyone will get the chance to lead the team for 1 challenge.

Pick a team leader!

Challenge 1 – Fake accounts

CheckAI is always on the lookout for people who use generative AI to trick people online.

You need to identify the fake profile pictures.

There are 8 pictures – 3 of them are fake.

Rules:

1. The team leader must submit your guesses
2. Each guess must consist of 3 numbers (the pictures you think are fake)
3. You will find out **how many** are correct, but not which ones
4. The team to get all 3 fake pictures with the least guesses gets the most points

Challenge 1 – Fake accounts

The code for this challenge is the 3 correct numbers added together.

Write this down on your worksheet!

Change the leader

Each challenge needs a new team leader – so it's time to switch it up.

Pick a new team leader!

Challenge 2 – AI errors

CheckAI gets lots of requests from teachers worried about students using AI to do their homework for them.

AI applications **do not** always produce factual information.

There are 4 paragraphs each that contain **1 error** – you need to find and correct it.

Rules:

1. The team leader must submit your work
2. You must work as a team – everyone contributes!
3. For each paragraph, you will get:
 - a. 1 point for identifying the error
 - b. 1 point for correcting it

Challenge 2 – AI errors

The code for this challenge is...

9

Write this down on your worksheet!

Change the leader

Each challenge need a new team leader — so it's time to switch it up.

Pick a new team leader!

Challenge 3 – Spot the bias

CheckAI's main job is to help spot and correct bias in AI systems.

Bias is when the output of a machine learning model favours some things and deprioritises or excludes others.

You have 3 scenarios, and as a team you need to match the type, reason and solution for the bias in the AI system.

Rules:

1. The team leader must submit your work
2. You must work as a team – everyone contributes!
3. For each scenario, you will get:
 - a. 1 point for identifying the bias
 - b. 1 point for identifying the explanation
 - c. 1 point for identifying the solution

Challenge 3 – Spot the bias

The code for this challenge is a number hidden in all the scenarios. See if you can find it.

Write it down on your worksheet!

Using your code

It's time to submit your secret code to access the YTF base and join the team!

Submit your code now!

The highest ranking teams!

The winners are...

Transparency, accountability, and fairness

The activities you completed highlight the following important points about responsible use of AI tools.

- 1. Transparency** – Using an AI tool is fine, as long as you are not hiding it and you explain how you have used the system. Creating fake images to fool people is never okay.
- 2. Accountability** – If you use an AI tool, you are responsible for the output. If your homework contains errors produced by AI, it is your job to fix them.
- 3. Fairness** – AI systems can be biased and it is important that everyone gets to experience the benefits and are not treated unfairly.



My AI principles

What are your responsibilities when using AI tools?



Get into groups of 2–3

AI principles



Many AI organisations and companies have established principles that outline their commitment to creating AI systems that are ethical, fair, and transparent.

The **Alan Turing Institute** has developed the **FAST Track Principles** that are designed to ensure AI systems are **fair, accountable, sustainable, and transparent**.

The FAST Track Principles



F for fairness: AI systems should be designed to be **fair and not discriminate** against anyone.

A for accountability: Developers of AI systems should be **responsible for the decisions** that AI systems make. AI developers should be able to explain their decisions and be **held accountable** if something goes wrong.

S for sustainable: AI systems should be **safe and reliable**, working well over time **without causing harm** to people or the environment.

T for transparency: The way AI systems work should be **clear and understandable** to everyone. Developers of AI systems should be **able to explain** how these systems make certain decisions and make sure that these **decisions are fair and trustworthy**.

Create your own AI principles



Tasks

1.1 In your group, brainstorm what AI principles you think are most important. Use your worksheet to write your ideas down.

Make sure your AI principles are **actionable** and **specific**.

1.2 Use your worksheet to create a poster with your group's main AI principles (include a minimum of 3).

Think about:

- As a user of AI systems, what are your principles when using AI tools?
- How will you ensure that you are a critical but effective user of AI?
- What actions will you take to verify AI-generated information?
- What is something you will never use AI for?

Gallery walk



Go around the classroom and check out your classmates' posters.

Take notice of the different AI principles they've come up with and think about how they compare to yours.

Consider:

- Which AI principles do you find interesting or important?
- Which AI principles do your classmates have that you hadn't thought of?
- Are there any AI principles that you disagree with?

Our class' AI principles

As a class, discuss which AI principles you think are the most important for using AI tools responsibly.



Decide on the top five AI principles that you all agree on, and then find a way to showcase these key ideas.

Using AI tools responsibly

In these sessions, you...

- Considered how to use AI tools to help you complete tasks
- Listed your responsibilities when using AI tools
- Developed your expectations of fairness, accountability, and transparency around AI tools available to teens