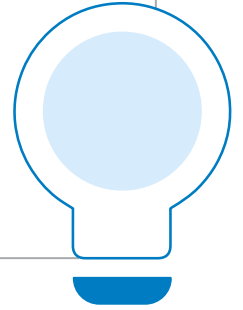


Student handout



Using AI responsibly



✦ What is AI?

Artificial intelligence, or AI for short, is a type of technology that identifies patterns in data to make predictions, take actions, or create content.

- For example, some meteorologists use AI to help them make weather predictions. By analysing past weather patterns and running simulations, AI can predict future weather conditions.

✦ What is generative AI?

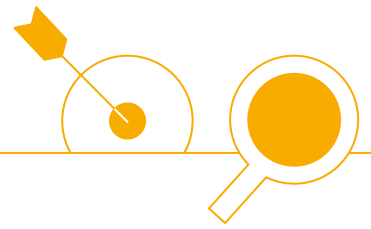
Gemini is a generative AI platform. This means it can generate new content, like text and images, as well as links to music, audio files, and videos. These platforms need prompts to generate a response.

- It has the ability to generate new content because developers train the AI model on lots of data, or information. This data provides examples that the model can identify patterns in.
- Once the AI model has been trained, developers incorporate that model into an AI tool, like Gemini, for you to use.
- And as our world constantly changes, Gemini evolves too by improving pattern recognition and the ability to interpret and produce diverse types of information.



Tip: Remember AI is technology, not human.

So, even though its capabilities are exciting, it is not the same as human intelligence.



Examining output for accuracy and bias

What are hallucinations?

AI tools can give you incorrect responses too, like outputs that are not true or accurate. When an AI tool invents an answer, it's called a **hallucination**.

- Hallucinations can happen when you ask a question about really specific information that the AI tool doesn't have access to yet, so the answer it gives is made up.
- If the AI tool doesn't understand the question, it might give you an incorrect answer.
 - **For example:** If you ask an unclear question about bats (the animal), the AI might misinterpret the language and give you information about sports bats instead.

What is bias?

Bias means having a strong, unfair preference for—or against—someone or something.

- People, in general, have biases. We have favourite foods, favourite activities, favourite movies, favourite sports teams, etc. And it is people who train AI models, like Gemini, and it is people who put information out on the internet that Gemini can access.
- Consequently, when you type something into Gemini, the response you get may be biased or may contain biased content.

What are deepfakes?

A deepfake is a digitally-manipulated video, photo, or audio recording created using someone's voice and/or likeness without their permission.

Like every useful technology, there may be people who try to take advantage of AI to deceive or defraud others.

- For example, they may generate misinformation or fake media, like photos that seem real.

Creating and distributing deepfakes is illegal.

◆ Using Gemini

- Gemini is a great resource if you ever get stuck researching a topic or need a helpful starting point. Simply visit gemini.google.com while logged into your school-issued Google account.
- You can also ask Gemini to fact-check information, which is a great resource for verifying if an output is accurate. Once you learn that an output is correct, you need to find the source of the information that Gemini provides to reference it in your assignment.
- Never pass off Gemini's work as your own, that is plagiarism.

Tip: Critically evaluate responses.

- Since generative AI is a work in progress, it can make mistakes and may even make things up - known as hallucination.
- Always check information that's presented as fact.
- When in doubt, double check the response.

Tip: If something feels off, investigate further.

- Like every useful technology, there may be people who try to take advantage of AI to deceive or defraud others.
- If the content seems unusual, pause and investigate further.
- Check out the content's sources and consider the intent of who published it.



Protecting privacy

Sharing personal information can be risky. With AI, we still need to be just as cautious.

- There are a wide variety of AI tools available for you to use. But they are not all created the same. For example, some AI tools may use the information you input into it, including private information, to train its model.
- Here are some examples of private information to keep private:
 - Full name, tax file number, birth date, home address, phone number, email address, driver's licence number, passport number, any financial or health information.
 - These include text and images—please do not upload an image of your driver's licence, for example.

Tip: Always keep private information private.

Even though there are privacy protections when you use Gemini as a young person, it's important to limit risks and build good habits by keeping personal information private.

Gemini and your privacy

- When you use Gemini as a teenager, there are protections in place to keep your information private:
 - The activity recording is off, so Gemini won't keep a record of what you input.
 - Filters block any private information included in a prompt, like your birth date, from being reviewed or used to train Gemini.
- You can also review Gemini's privacy practices that explain what data Google collects when your teachers or other adults use Gemini and how it is used.
 - Scan the QR code below



Academic integrity

What is academic integrity?

Academic integrity means doing your own work honestly in a way that is fair to you and others. This also means that all work you do is your own.

- Different schools and teachers have their own academic integrity policies, so it is important to know them and understand the guidelines you need to follow.

Here are some ways you can use AI that uphold academic integrity:

- Asking Gemini to help brainstorm different ways to approach finishing a your work.
- Using Gemini for a brainstorm session to help you come up with new ideas or overcome writer's block.
- Using Gemini to help find credible sources for a project you're working on.

 **Tip: Use AI to boost your talents, not replace them.**

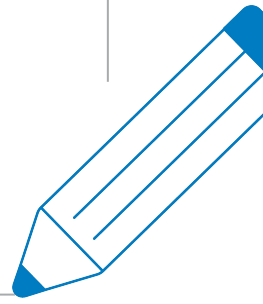
AI can help you kickstart the creative process, but it's not there to do the work for you – that's your role as the creator.

AI policies

AI policies protect your academic integrity by providing you with guidelines about using and referencing AI-generated content to ensure that you are doing your work honestly.

- These policies vary by school and sometimes by teacher, so it is important to understand the AI guidelines your school and teachers expect you to follow.
- Think of AI policies and guidelines like a recipe:
 - All of the ingredients and steps are listed for you to follow.
 - If you follow the recipe, your result will be positive—a delicious dish.
 - But if you don't follow all of the steps or skip ingredients, your result will probably be disappointing.
- Follow your school's AI policies, so we enjoy the benefits of AI while using it in positive, ethical, responsible, and productive ways.

In-class activity



With all this new information fresh in your mind, we are going to create a plan for responsible AI use. But this is no ordinary plan. The challenge is to make it as attention grabbing as possible.

This could be in any format you can think of - a personal AI charter, a poem, a poster for your grandparent, a recipe, or even a movie script. The sky's the limit!

The goal—anyone in this school should be able to read your plan and know how to use AI responsibly.

1 Step 1: Make the list

- In your notebook or Google Doc, list how you will use AI platforms, like Gemini, while you're in school (remember to use the 5 tips below).
- Think about the ways Gemini, and similar platforms, can help enhance your learning and give an example. Here are some to get you started:
 - AI could help you figure out how to approach writing an email to ask a teacher for a letter of recommendation.
 - Or it could help with time management by creating homework and study schedules.
 - Gemini could help you brainstorm career paths and plan for your future. You could research vocational & trade schools, entrepreneurship, online courses / certificates, gap year, and universities.

Use these tips in your plan!

1. Remember AI is technology, not human.
2. Critically evaluate responses.
3. If something feels off, investigate further.
4. Keep private information private.
5. Use AI to boost your talents, not replace them.

2 Step 2: Create the plan

Next is the fun part - decide how you want to present your list. Get as creative as possible.

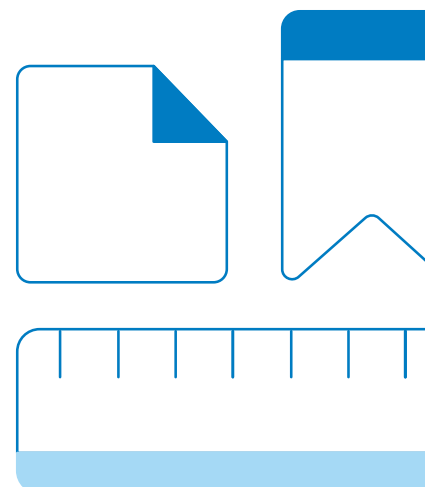
- On another page in your notebook or Google Doc, add in images, colour, fun metaphors, drawings—whatever you can think of to bring your list to life in the most attention grabbing way.
- **For example:** Fun format idea—use items from your list to create song lyrics or a poem.

✦ Try it on Gemini

You could ask Gemini to think of some ideas for song lyrics or a poem based on your list.

3 Step 3: Share with the class!

If time, present your plan to the class.



If a poster board/notebook is not available, use this space to draw up your creative list.



Resources



Lesson materials

In-class activity template	Where you will create your visual representation of your list of how you will use AI platforms, like Gemini, in school. https://docs.google.com/presentation/d/1Fiva-_J7sWVHt1iyxVNeCvBr2Mr8aaC3OIBdmP7asZg/edit?usp=sharing
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AI and Gemini guides

Gemini Apps Privacy Hub	Explains what data Google collects when you are using Gemini, how it is used, and how you can choose the privacy settings that are right for you. https://support.google.com/gemini/answer/13594961?hl=en-GB&sjid=11313087387512832383-NC
AI literacy guide	A Google article about generative AI, including: • What generative AI is and how it works • How to use generative AI and evaluate the accuracy of its responses • How Google develops AI https://support.google.com/websearch/answer/13954172?visit_id=638670439835410115-3969030636&p=about_ai&rd=1#zippy=%2Calways-evaluate-responses
Gemini privacy practices	A Google Help Centre page about your privacy when using Gemini. https://support.google.com/gemini/answer/13594961?hl=en-GB&sjid=11313087387512832383-NC



Additional lessons on using AI

Explore a Topic: Generative AI	An Applied Digital Skill lesson on researching an artificial intelligence topic of your choice and creating a project to share what you learn with others. https://edu.exceedlms.com/student/path/1605840?locale=en-GB
Discover AI in Daily Life	An Applied Digital Skill lesson on learning about the benefits and challenges of artificial intelligence while exploring Quick, Draw!, AutoDraw, Google Translate, and Google Slides. https://edu.exceedlms.com/student/path/1605996?locale=en-GB