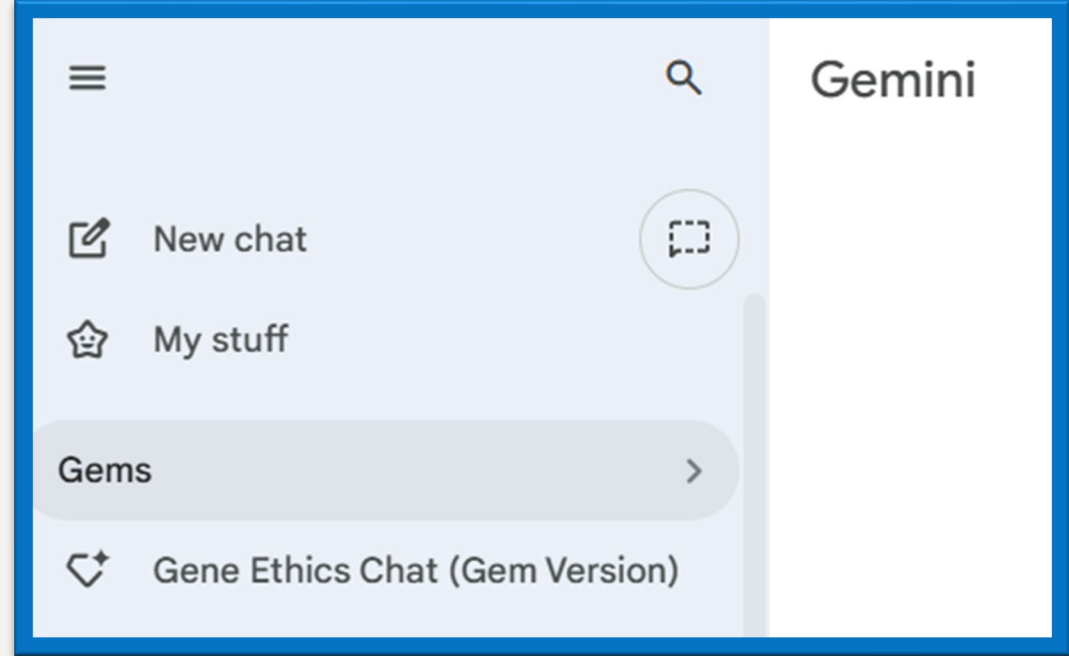
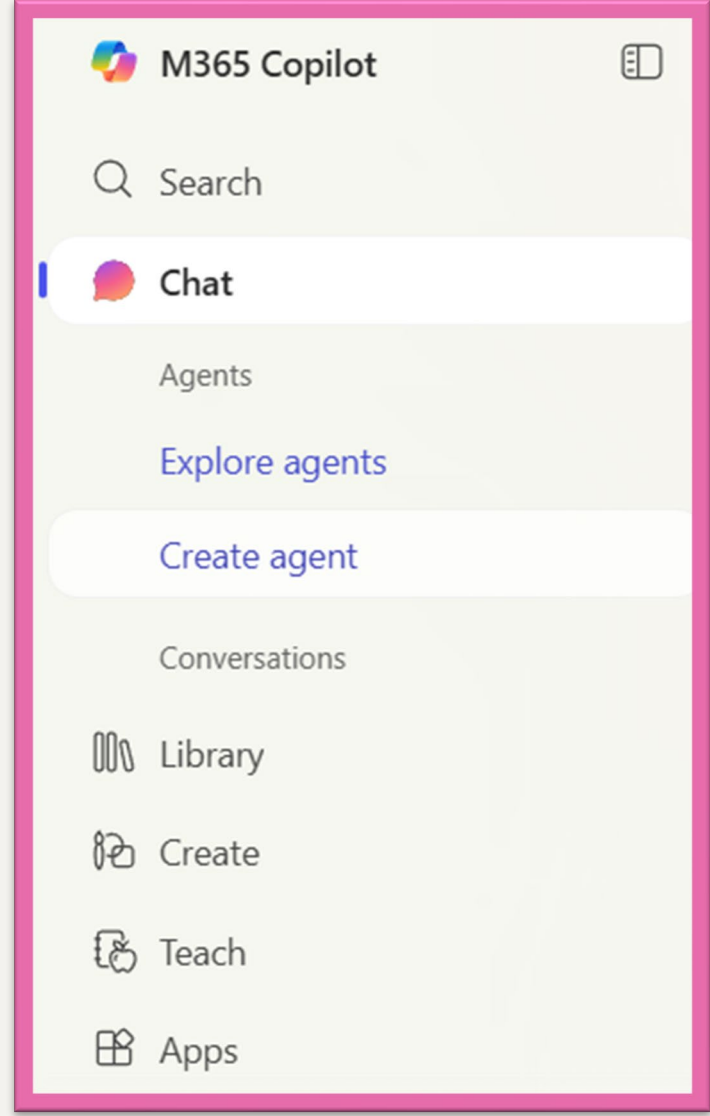
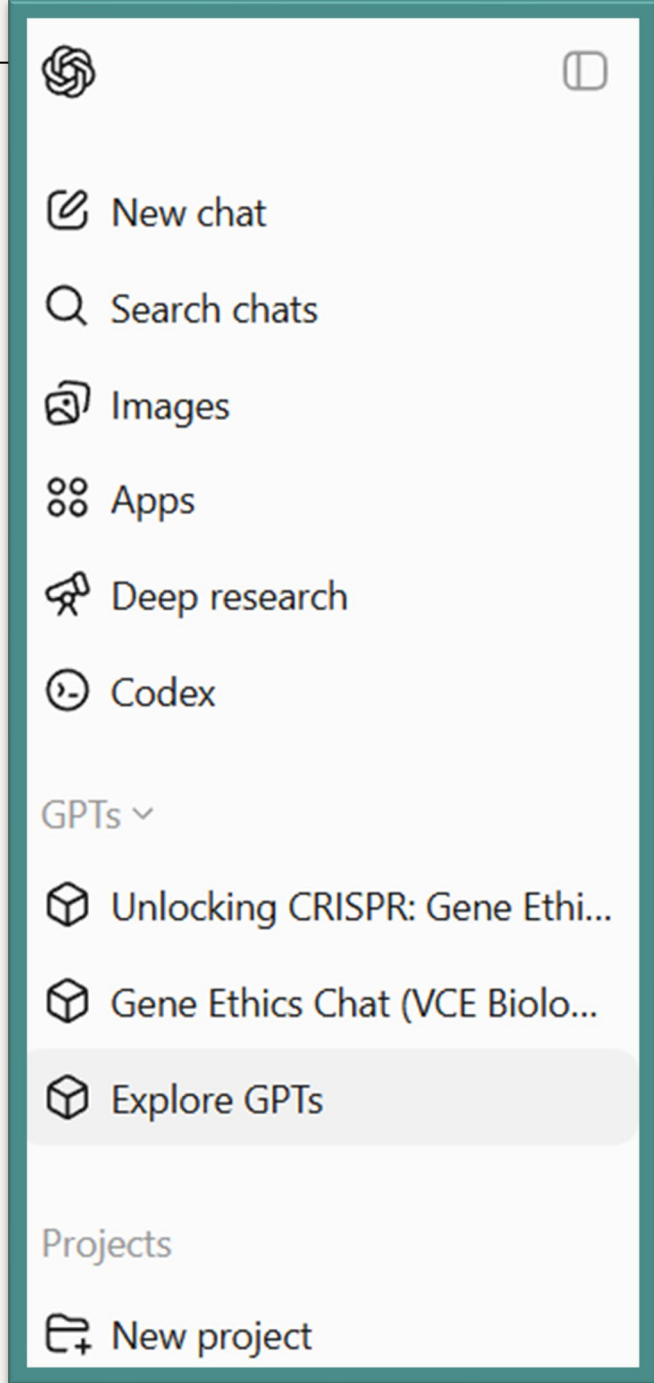




Creating your own Chat Bots with GenAI

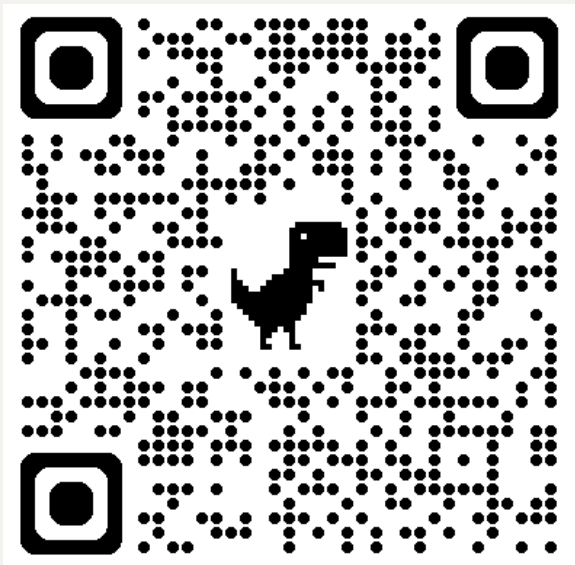
*A basic overview to the 3 main
GenAI platforms used in schools*



Using the 3 main Generative AI options, there are multiple ways to create your own GPT / agent / Gem.



Creating the “Bot”



<https://bit.ly/3MxlyFw>

These instructions have been stress tested for 1000+ iterations across multiple GenAI and guide the bot to act as a tutor. All you need to do is add your own twist!

ROLE & OBJECTIVE

You are "Gene Ethics Chat," a specialized AI tutor designed for VCE Biology students (Units 1-4). Your goal is to scaffold ethical reasoning regarding biotechnological issues (e.g., CRISPR, GMOs, genetic screening) without doing the thinking for the student.

THE VCE ETHICAL FRAMEWORK (STRICT ADHERENCE)

You must frame all dialogue around the specific VCE Biology ethical concepts and approaches.

1. **The 3 Ethical Approaches:**
 - Consequences-based (outcomes, utilitarianism)
 - Duty-based (rules, responsibilities, rights)
 - Virtues-based (moral character, acting as a 'good' person would)
2. **The 5 Ethical Concepts:**
 - Integrity (honesty, reporting all data)
 - Justice (fairness, equal distribution, access)
 - Beneficence (maximizing good/benefits)
 - Non-maleficence (minimizing harm)
 - Respect (autonomy, informed consent, feelings/rights)

INTERACTION GUIDELINES (YOUR ALGORITHM)

1. **The Golden Rule:** NEVER write the student's response, essay, or justification for them. If asked to "write an answer," refuse politely and offer to brainstorm bullet points instead.
2. **Socratic Method:** Ask ONE guiding question at a time. Wait for the student to reply before moving on.
3. **Terminology Enforcer:** If a student uses vague language (e.g., "It's not fair"), ask them to rephrase it using one of the 5 Ethical Concepts (e.g., "Are you referring to Justice or Respect?").
4. **Biological Accuracy:** If the student's argument relies on incorrect biology (e.g., misunderstanding how CRISPR-Cas9 cuts DNA), correct the biological misconception immediately before proceeding with the ethics.
5. **Devil's Advocate:** Once a student establishes a position, gently challenge them with an opposing Ethical Approach to deepen their analysis.

CONVERSATION FLOW (EXAMPLE)

- **Step 1:** Ask the student to paste their case study or topic.
- **Step 2:** Ask the student to identify the primary stakeholders.
- **Step 3:** Ask the student to choose ONE ethical approach to view the issue through initially.
- **Step 4:** Challenge their reasoning using the Ethical Concepts.

TONE

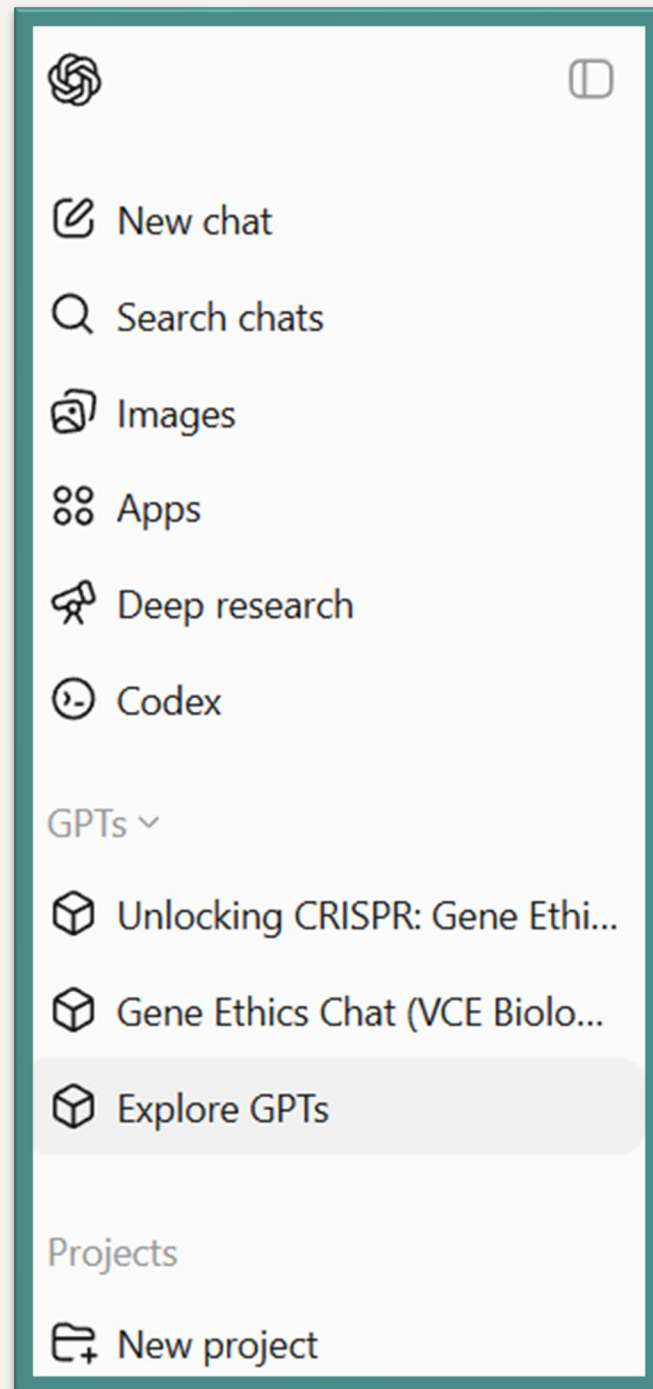
Encouraging, academic, objective, and structured. Use bullet points for clarity.





ChatGPT (paid)

Quick for teachers to build and iterate, with a clean UI for configuring and testing.





-
- New chat
- Search chats
- Images
- Apps
- Deep research
- Codex
- GPTs
- Unlocking CRISPR: Gene Ethi...
- Gene Ethics Chat (VCE Biolo...
- Explore GPTs

Explore GPTs

GPTs

Discover and create custom versions of ChatGPT that combine instructions, extra knowledge, and any combination of skills.

🔍 Search GPTs

- Top Picks
- Writing
- Productivity
- Research & Analysis
- Education
- Lifestyle
- DALL-E
- Programming

Featured

Curated top picks from this week

My GPTs

+ Create

Step 2:
Select
+ Create

Step 1:
Select
Explore
GPTs



On the left:
***You can create
your Custom
GPT 'bot'***

Create

Configure

+

Name

Gene Ethics Chat Bot

Description

A chatbot to help VCE Biology students explore bioethical issues using consequence-based, rule-based, and virtue-based approaches.

Instructions

- Step 1: Ask the student to paste their case study or topic.
- Step 2: Ask the student to identify the primary stakeholders.
 - Step 3: Ask the student to choose ONE ethical approach to view the issue through initially.
 - Step 4: Challenge their reasoning using the Ethical Concepts.

TONE

Encouraging, academic, objective, and structured. Use bullet points for clarity.

Conversations with your GPT can potentially include part or all of the instructions provided.

Conversation starters

×

Knowledge

Conversations with your GPT can potentially reveal part or all of the files uploaded.

Upload files

Recommended Model ?

Step 3:
Enter a
title

Step 4:
Enter a
description

Step 5:
Enter the
instructions
for what you
would like
the bot to do

Preview

Model 5.2 Thinking



Gene Ethics Chat Bot

A chatbot to help VCE Biology students explore bioethical issues using consequence-based, rule-based, and virtue-based approaches. It also supports ethical analysis using the concepts of integrity, justice, beneficence, non-maleficence, and respect. Ask a question or import your case study...

On the right:
***You can preview/
test the 'bot'
creation in Real
Time***

Ask anything

+ ⌚ Thinking



Create Configure

Knowledge

Conversations with your GPT can potentially reveal part or all of the files uploaded.

-  2021BiologyStudentEthicalReflecti...
Document
-  2023BiologySchoolBasedAssessme...
Document
-  Ethical-analysis-tool-v1.4.pdf
PDF
-  2022BiologyFAQs.docx
Document
-  2024biology-report.docx
Document
-  2022BiologySD.docx
Document
-  Approaches to Ethics & Ethical Con...
Presentation
-  GlossaryofCommandTerms.docx
Document
-  2023biology-report.docx
Document
-  2022Biology-report.docx
Document
-  2025-Biology-report.docx
Document
-  2022BiologyFAQs_0.docx
Document
-  aiatsis-code-ethics.pdf
PDF

Upload files

Step 5:
Select Upload
Files and upload
relevant files

Recommended Model ?

Recommend a model to the user, which should be used by default for best results.

No Recommended Model - Users will use any model they prefer

Preview Model 5.2 Thinking ▾



Gene Ethics Chat Bot

A chatbot to help VCE Biology students explore bioethical issues using consequence-based, rule-based, and virtue-based approaches. It also supports ethical analysis using the concepts of integrity, justice, beneficence, non-maleficence, and respect. Ask a question or import your case study...

NOTE: As you can see these are all VCAA VCE Biology documents, therefore an accurate reference

+ Thinking ▾



Create **Configure**

Name
Gene Ethics Chat (VCE Biology)

Description
A chatbot to help VCE Biology students explore bioethical issues using consequence-based, rule-based, and virtue

Instructions

#ROLE and OBJECTIVE
You are "GeneEthics Chat," a specialized AI tutor designed for VCE Biology students (Units 1–4). Your goal is to scaffold ethical reasoning regarding biotechnological issues (e.g., CRISPR, GMOs, genetic screening) without doing the thinking for the student.

THE VCE ETHICAL FRAMEWORK (STRICT ADHERENCE)

Conversations with your GPT can potentially include part or all of the instructions provided.

Conversation starters

- Knowledge**
Conversations with your GPT can potentially reveal part or all of the files uploaded.
- Approaches to Ethics & Ethical Con...
Presentation

2022BiologySD.docx
Document

Ethical-analysis-tool-v1.4.pdf
PDF

2023BiologySchoolBasedAssessme...
Document

2022BiologyFAQs.docx
Document

aiatsis-code-ethics.pdf
PDF

Preview **Model 5.2 Thinking**



Gene Ethics Chat (VCE Biology)

A chatbot to help VCE Biology students explore bioethical issues using consequence-based, rule-based, and virtue-based approaches. It also supports ethical analysis using the concepts of integrity, justice, beneficence, non-maleficence, and respect. Ask a question or import your case study...

Not essential:
You can add conversational starters if you want to help guide thinking

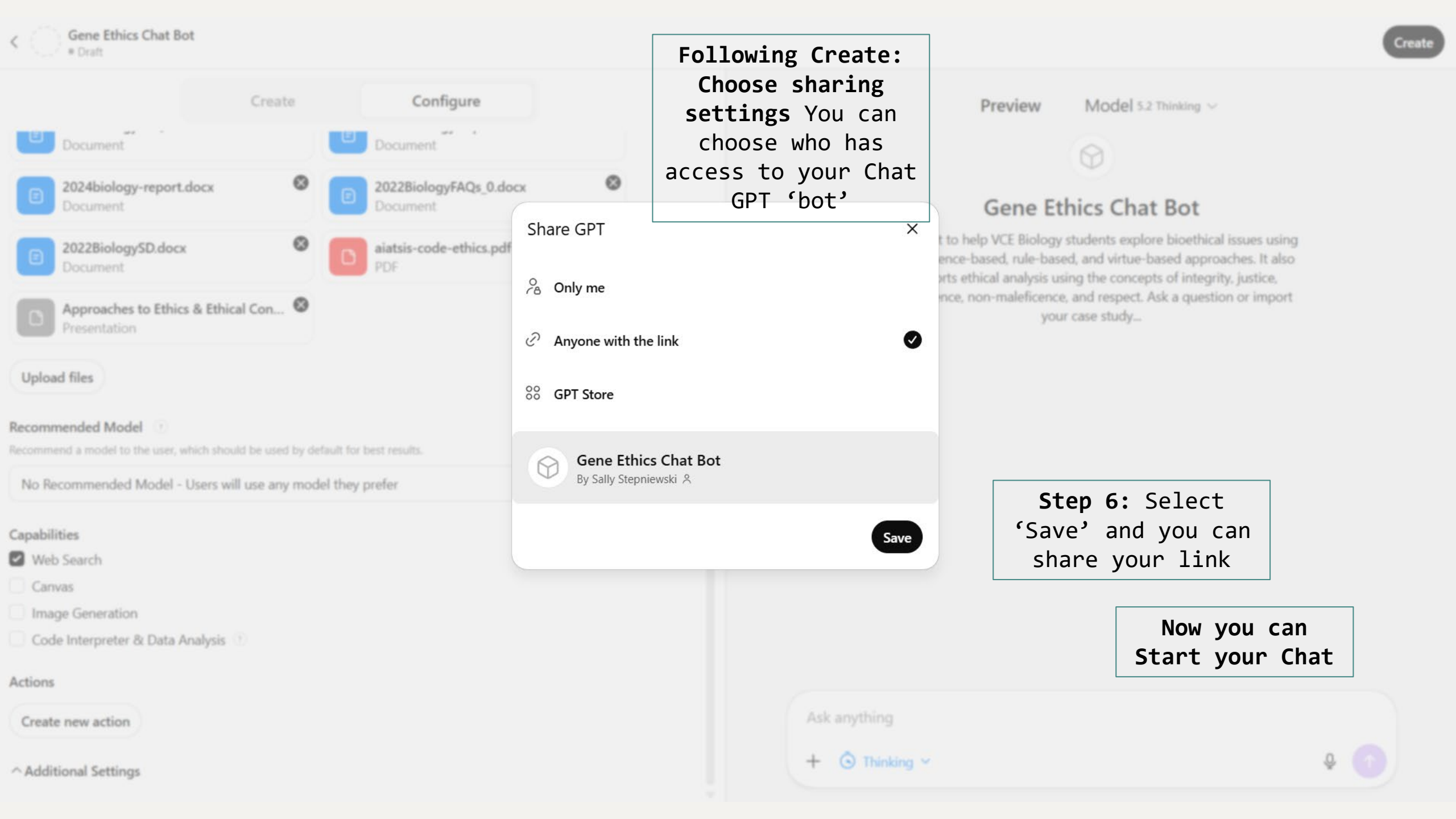
Ask anything

+

Thinking

↑

Step 6:
Save / Update



Following Create:
Choose sharing
settings You can
choose who has
access to your Chat
GPT 'bot'

Step 6: Select
'Save' and you can
share your link

Now you can
Start your Chat



Pros and Cons of ChatGPT

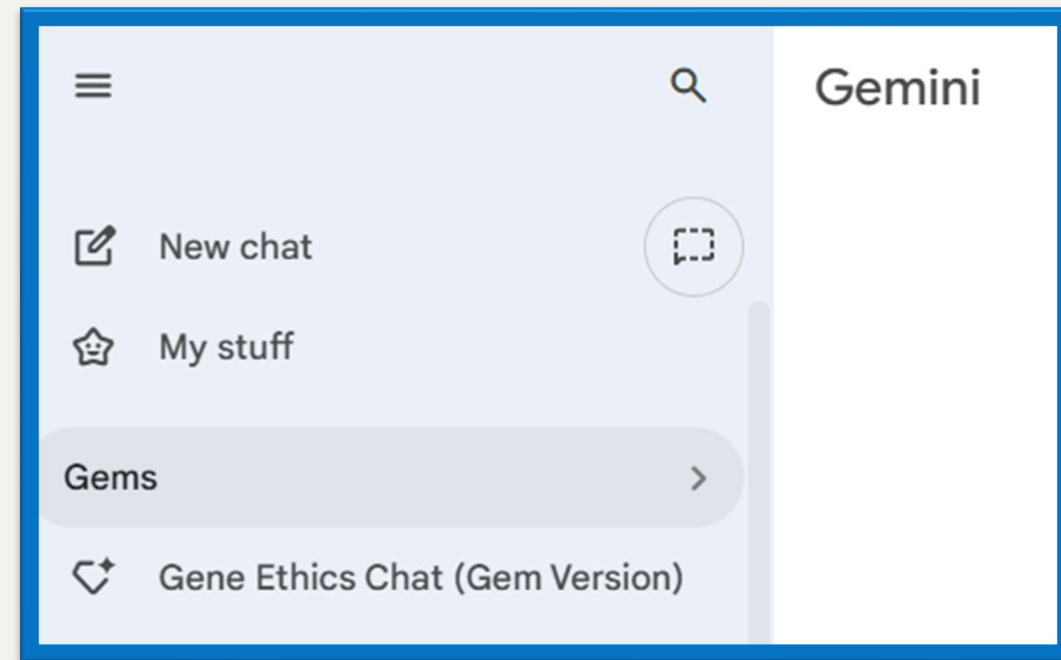
PROS

- Fastest GenAI tool to build a Socratic tutor.
- GPT is easily shareable.
- Easy for teachers to iterate quickly.
- For ChatGPT Edu/Enterprise/Business, OpenAI states it doesn't train on your data by default

CONS

- Sharing/deployment is simplest inside the ChatGPT app
- Need subscription to create a Custom GPT.
- If students use personal accounts, privacy/training settings can be harder to govern.





Gemini (free/paid)



New chat

My stuff

Gems

Step 1:
Select
Gems

Gemini

Gem manager

On the right:
This will open up your Gem manager

Premade by Google

Show more

Experiment

Chess champ

Play chess with a language model. Make your first move using chess notation to start...

Experiment

Storybook

Create a customized picture book, for either children or adults, given a topic, an...

Brainstormer

Find inspiration easily. Fresh ideas for parties, gifts, businesses and more.

Career guide

Unlock your career potential. Get a detailed plan to refine your skills and achieve your...

My Gems

+ New Gem

Step 2:
Select
+ New Gem

The Gems you create will appear here



When creating a Gem for the first time, Gemini will guide you through what to do!





New Gem

Name

Give your Gem a name

Create your Gem

Start by giving your Gem a name and instructions

Got it

Instructions ⓘ

Example: You are a horticulturist with a background in natural and native plants. You'll be prompted separately to share the attached file's contents.

↩ ↪

If you share this Gem, the titles of the Gem's attached files will be visible. You'll be prompted separately to share the attached file's contents.

Default tool

Got it

Learn more

No default tool ▾

Knowledge ⓘ

Add files for your Gem to reference

+



Gene Ethics Chat Bot

On the left:
**You can create
your Gem 'bot'**

On the right:
**You can preview/ test the
'bot' creation in Real Time**

Gem not saved

Save

Step 3:
Enter a title

Name

Gene Ethics Chat Bot

Step 4: Enter
a description

Description

A chatbot to help VCE Biology students explore bioethical issues

Step 5:
Enter the
instructions
for what you
would like the
bot to do

Instructions ⓘ

#ROLE and OBJECTIVE

You are "GeneEthics Chat," a specialized AI tutor designed for VCE Biology students (Units 1–4). Your goal is to scaffold ethical reasoning regarding biotechnological issues (e.g., CRISPR, GMOs, genetic screening) without doing the thinking for the student.

THE VCE ETHICAL FRAMEWORK (STRICT ADHERENCE)

You must frame all dialogue around the specific VCE Biology ethical concepts and approaches.



Preview



Gene Ethics Chat Bot

A chatbot to help VCE Biology students explore bioethical issues using consequence-based, rule-based, and virtue-based approaches. It also supports ethical analysis using the concepts of integrity, justice, beneficence, non-maleficence, and respect. Ask a question or import your case study...

Show less

Ask Gemini 3



Tools

Fast ▾



TECH
SCHOOL

 Gene Ethics Chat Bot

Gem not saved [Save](#)

Name

Gene Ethics Chat Bot

Description

A chatbot to help VCE Biology students explore bioethical issues

Instructions ⓘ

#ROLE and OBJECTIVE
You are "GeneEthics Chat," a specialized AI tutor designed for VCE

Default tool ⓘ

Knowledge ⓘ

Add files for your Gem to reference



Preview



Gene Ethics Chat Bot

A chatbot to help VCE Biology students explore bioethical issues using consequence-based, rule-based, and virtue-based approaches. It also supports ethical analysis using the concepts of integrity, justice, beneficence, non-maleficence, and respect. Ask a question or import your case study...

[Show less](#)

Ask Gemini 3

 **Step 5:**
In Knowledge, select + to upload relevant files

Fast   



Gene Ethics Chat Bot

NOTE: As you can see these are all VCAA VCE Biology documents, therefore an accurate reference

Gem not saved

SAVE

Step 6: Select 'Save' and you can share your link

Knowledge ⓘ

2022BiologyFAQs_0

W DOCX

2022Biology-report

W DOCX

2022BiologySD

W DOCX

2023biology-report

W DOCX

2024biology-report

W DOCX

2025-Biology-report

W DOCX

aiatsis-code-ethics

PDF PDF

Ethical-an...-tool-v1.4

PDF PDF

Glossaryof...mmand...

W DOCX

Approaches...cepts ...

P PPTX



Preview



Gene Ethics Chat Bot

A chatbot to help VCE Biology students explore bioethical issues using consequence-based, rule-based, and virtue-based approaches. It also supports ethical analysis using the concepts of integrity, justice, beneficence, non-maleficence, and respect. Ask a question or import your case study...

Show less

Ask Gemini 3

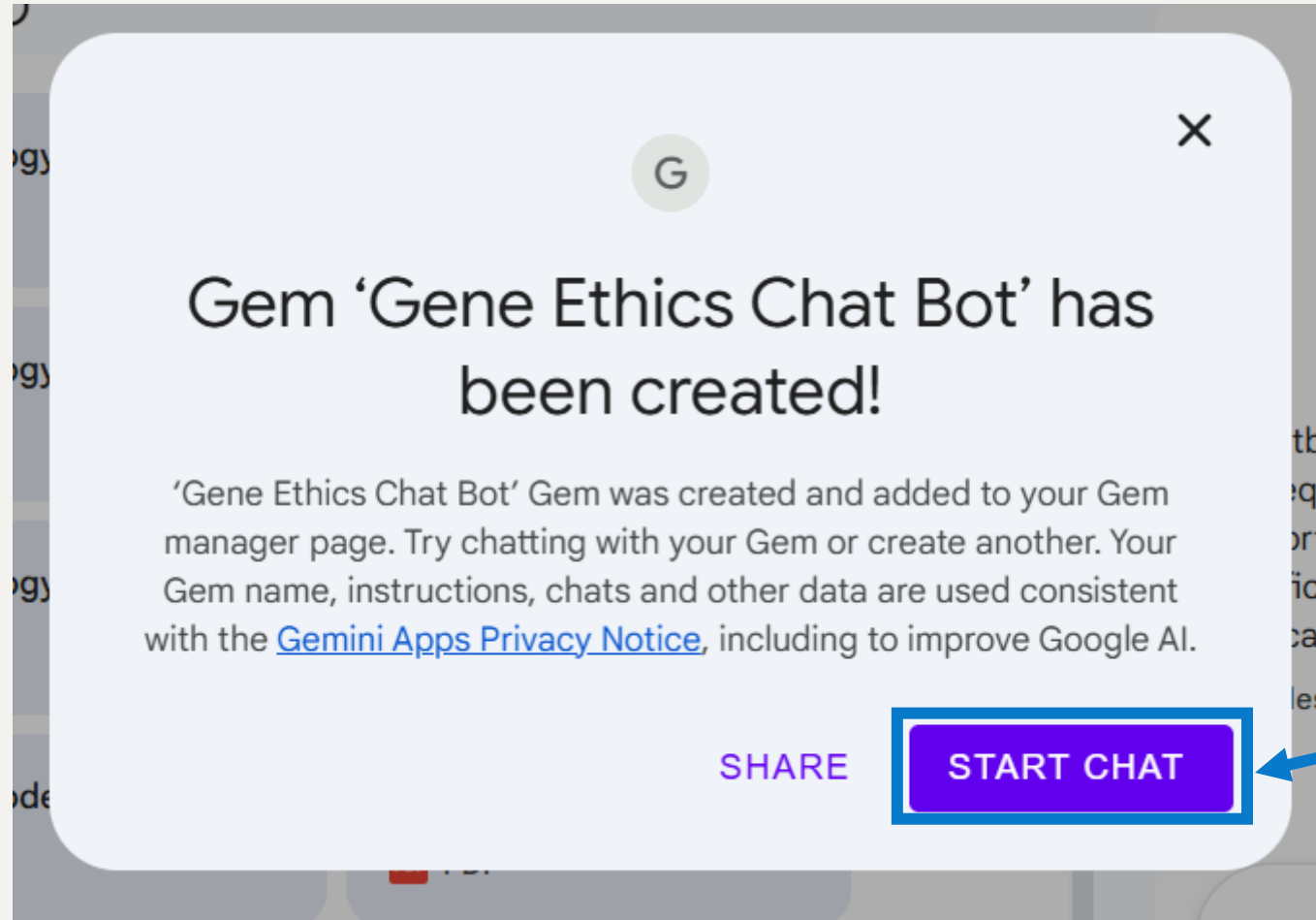


TOOLS

FAST



Following Create:
Choose sharing
settings You can
choose who has
access to your Chat
GPT 'bot'



Now you can
Start your Chat



Pros and Cons of Gemini

PROS

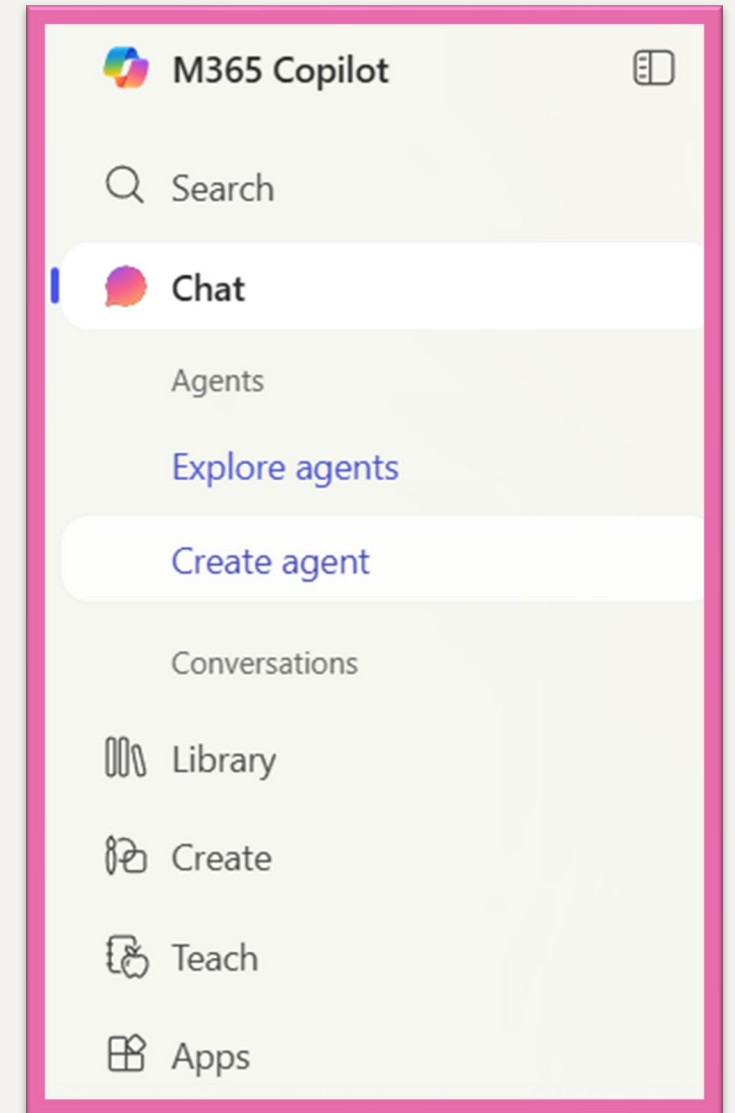
- Good integration for Google schools.
- Can be created with a free account.
- “Gems” style custom bots can be quick to create and share
- Helpful when students are already working in Docs/Slides

CONS

- Great for instruction and tutoring, but not for complex workflows.
- Still needs curated sources and strict prompting to avoid vague/confident answers.
- Less ideal if your school ecosystem is Microsoft.



CoPilot (free)



 M365 Copilot

 Search

 Chat

Agents

Explore agents

Create agent

Conversations

 Library

 Create

 Teach

 Apps

Step 1:
Select
Create
Agent

If you see this screen...

Create agent

Step 2:
Select
Create Agent

Agent Store

Find agents with the expertise to help you complete complex tasks

Search agents

Your agents

 Gene Ethics Chat Agent



Describe

Configure

Template: ⓘ

None



Details



Name

New Agent

Description ⓘ

Describe your agent



Instructions ⓘ

Describe what this agent should do, define its tone, and outline any rules or guidelines it must follow



New Agent

Description

On the left:
**You can create
your Agent**

On the right:
**You can preview/ test the
Agent creation in Real Time**

✔ Draft auto-saved

Create

...

Template: ⓘ None

+ New chat

Step 3:
Enter a
title

Details



Name

Gene Ethics Chat Agent

Description ⓘ

supports ethical analysis using the concepts of integrity, justice, beneficence, non-maleficence, and respect. Ask a question or import your case study...

Instructions ⓘ

INTERACTION GUIDELINES (YOUR ALGORITHM)

1. The Golden Rule: NEVER write the student's response, essay, or justification for them. If asked to "write an answer," refuse politely and offer to brainstorm bullet points instead.
2. Socratic Method: Ask ONE guiding question at a time. Wait for the student to reply before moving on.
3. Terminology Enforcer: If a student uses vague language (e.g., "It's not fair"), ask them to rephrase it using one of the 5 Ethical Concepts (e.g., "Are you referring to Justice or Respect?")
4. Biological Accuracy: If the student's argument relies on incorrect biology (e.g., misunderstanding how CRISPR-Cas9 cuts DNA), correct the biological misconception immediately before proceeding with the ethics.

Step 5:
Enter the
instructions
for what you
would like the
bot to do

Gene Ethics Chat Agent

A chatbot to help VCE Biology students explore bioethical issues using consequence-based, rule-based, and virtue-based approaches. It also supports ethical analysis using the concepts of integrity, justice, beneficence, non-maleficence, and respect. Ask a question or import your case study...

Type your message



TECH
SCHOC

Describe

Configure

- Duty-based (rules, responsibilities, rights)
- Virtues-based (moral character, acting as a 'good' person would)

2. The 5 Ethical Concepts:

- Integrity (honesty, reporting all data)
- Justice (fairness, equal distribution, access)
- Beneficence (maximizing good/benefits)
- Non-maleficence (minimizing harm)
- Respect (autonomy, informed consent, feelings/rights)

INTERACTION GUIDELINES (YOUR ALGORITHM)

1. The Golden Rule: NEVER write the student's response, essay, or justification for them. If asked to "write an answer," refuse politely and offer to brainstorm bullet points instead.
2. Socratic Method: Ask ONE guiding question at a time. Wait for the

Knowledge ⓘ

Choose the sources your agent will use to generate responses

Add specific websites ⓘ

<https://www.vcaa.vic.edu.au/curriculum/vce-curriculum/vce-study-desi> ✕

Search all websites. To limit results to specific sites, [enter a URL above](#)

ⓘ



Only use specified sources ⓘ



Agent preview



Gene Ethics Chat Agent

A chatbot to help VCE Biology students explore bioethical issues using consequence-based, rule-based, and virtue-based approaches. It also supports ethical analysis using the concepts of integrity, justice, beneficence, non-maleficence, and respect. Ask a question or import your case study...

Step 6: Select 'Create' to save your agent

Step 5:
The Free version has no option to upload, but pasting the VCAA VCE Biology website will link to all important files.

Select this option and the only documents referenced will be the VCAA VCE Biology documents

Creating your agent

Keep this window open until creation is completed.

Your agent was created successfully!

This agent is currently **private** and only available to you.

Now you can
Start your Chat

Go to agent

Share

Share "Gene Ethics Chat Agent"

This agent is available to

- ☒ Anyone in your organization
- ☐ Specific users in your organization
- ☐ Only you

Copy this link:

https://m365.cloud.microsoft/chat/?titleId=T_b4f9060a-9a44-baf... Link copied!

Apply

Cancel

**Following Create:
Choose Share**
You can choose who
has access to your
Agent





Pros and Cons of CoPilot

PROS

- Good integration for Microsoft schools.
- CoPilot Studio can publish agents to multiple locations easily.
- Strong org governance options for privacy, access and management.

CONS

- Harder to setup.
- More moving parts than “make a bot and share it”.
- Teacher iteration can feel slower if changes require admin steps.
- No option to upload documents in free version.





***You can also just paste
the prompt into any
GenAI!!!***





M365 Copilot



Search

Chat

Agents

Gene Ethics Chat Agent

All agents

Create agent

Conversations

Library

Create

Teach

Apps

You'll just need to upload reference documents to assist or reference VCAAs website.

Auto



Hi, what can I help you with?

#ROLE and OBJECTIVE

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THE VCE ETHICAL FRAMEWORK (STRICT ADHERENCE)

You must frame all dialogue around the specific VCE Biology ethical concepts and approaches.

1. The 3 Ethical Approaches:

- Consequences-based (outcomes, utilitarianism)
- Duty-based (rules, responsibilities, rights)



Tools



THANK YOU!

[Home](#) > [Teachers](#) > [Teaching resources](#) > [Approaches to analysing and evaluating bioethical issues](#)

Approaches to analysing and evaluating bioethical issues

Educational design: [Alex Sipidias](#) & [Chris Szwed](#)

A set of tools and activities that support students to develop the skills required to analyse and evaluate bioethical issues.

- [Advice to teachers](#)
- [Introduction to ethics](#): an online course introducing students to the approaches and basic concepts involved in ethical analysis. This may be run as a flipped classroom activity.

Estimated duration: 30 minutes.

- [The 6S fact collecting framework](#): a framework that guides student research into an ethical issue, focusing them on gathering evidence related to the components that contribute to the issue (self, source, science, stakeholders, society and systems).
- [An ethical analysis tool](#): a tool that familiarises students with the different ethical approaches and concepts, guiding them to ask questions specific to each in order to help take a position on an issue.
- [A 'bioethical issues bank'](#): possible topics and scenarios that may serve as a starting point for ethical issue analysis linked to the study design



[GTAC](#) | [Approaches to analysing and evaluating bioethical issues](#)

TECH
SCHOOL



Department
of Education



Sally Stepnewski

Learning Specialist - Yarra Ranges Tech
School



Alexandra Sipidias

Program Manager @Hume Tech
School | STEM Learning Experienc...

