



Beyond Chatbots: Teaching the Real Lessons Behind Fake Content

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bit.ly/49HNM8d



Table Of Contents

1

What Generative AI Can Do

2

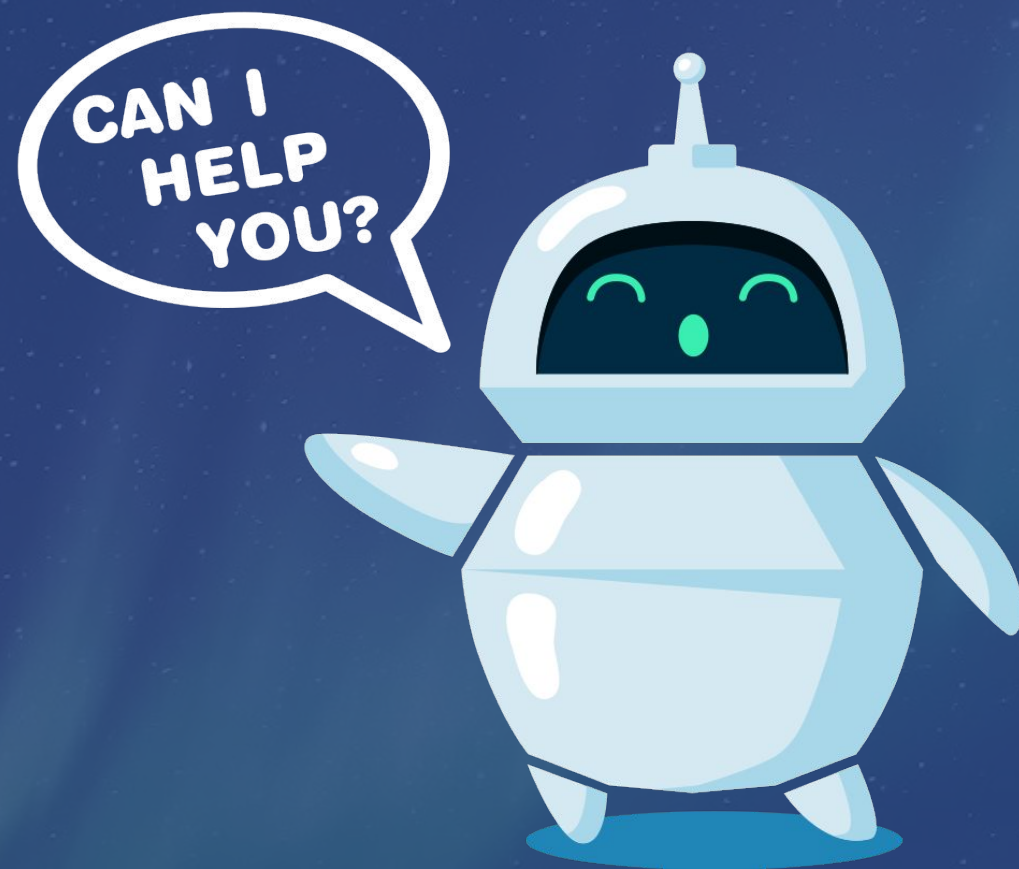
How to Detect & Question AI Content

3

How to Teach AI Responsibly

What Generative AI Can Do

1



Why “Beyond Chatbots”?

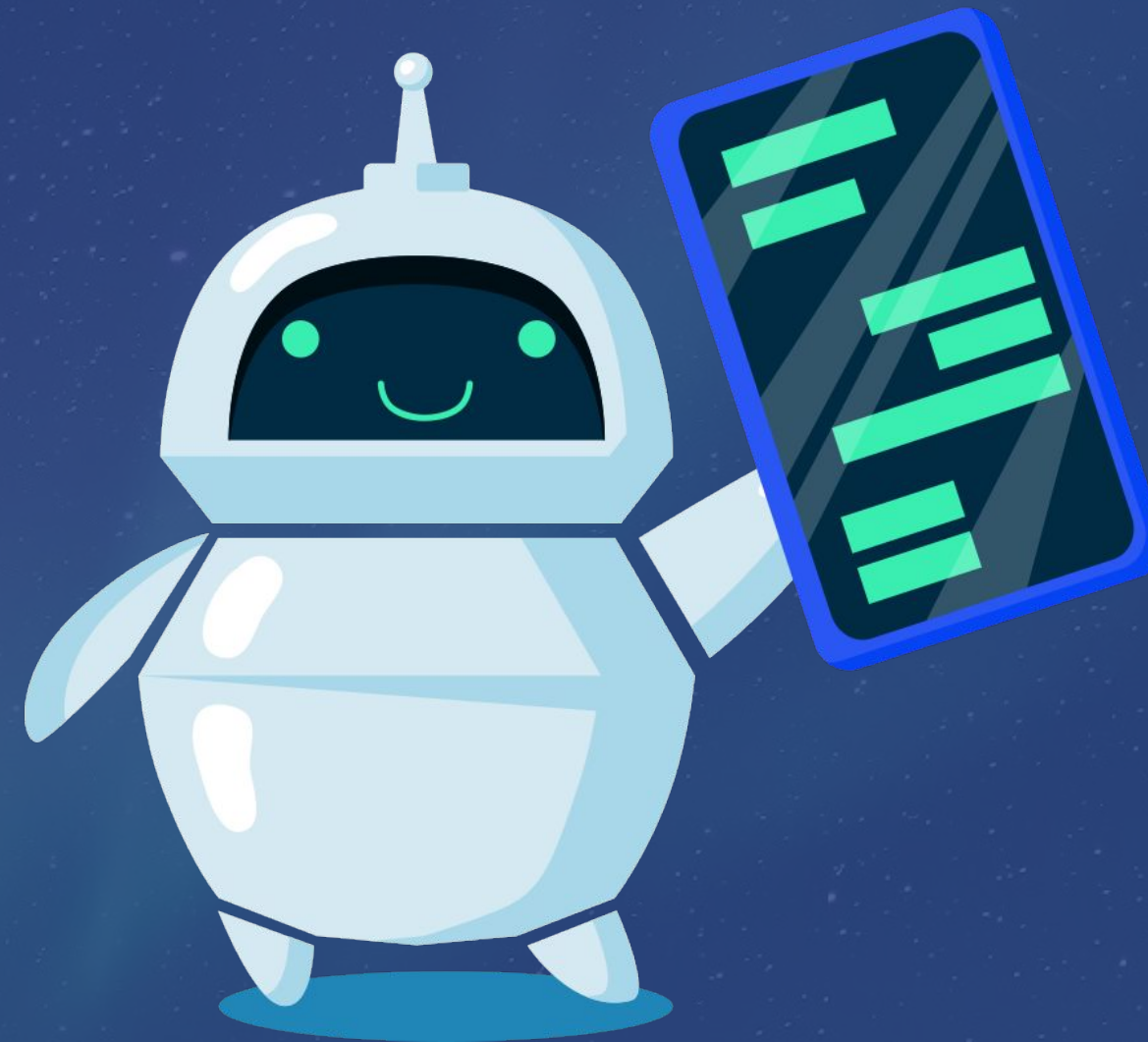
- Chatbots are just the beginning
 - Just over 3 years
- AI now creates images, video, and voices
 - Reality can be manufactured
- AI is here to stay, we need to teach kids to use it
 - Learning along with kids

What Is Generative AI?

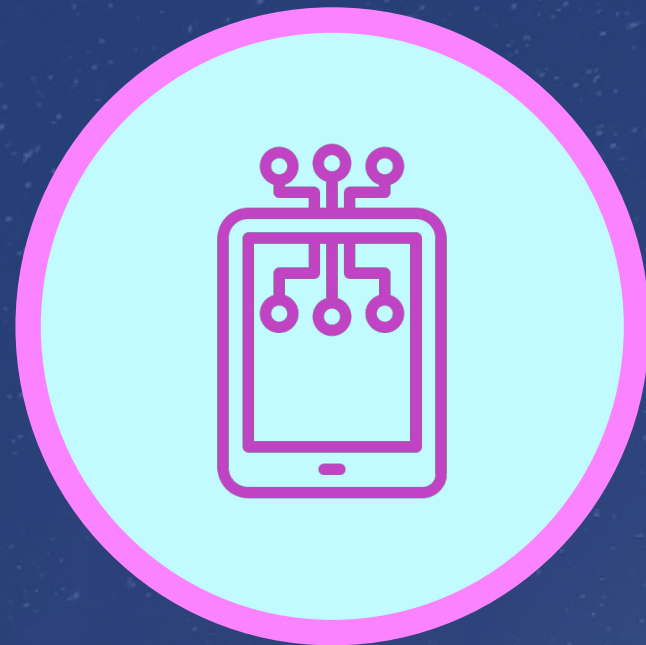
Creates new content

Learns from patterns

**Works across media
types**



What Is “Fake Content”?



AI-generated

Images, videos, audio, text
Can look and sound real



AI-altered media

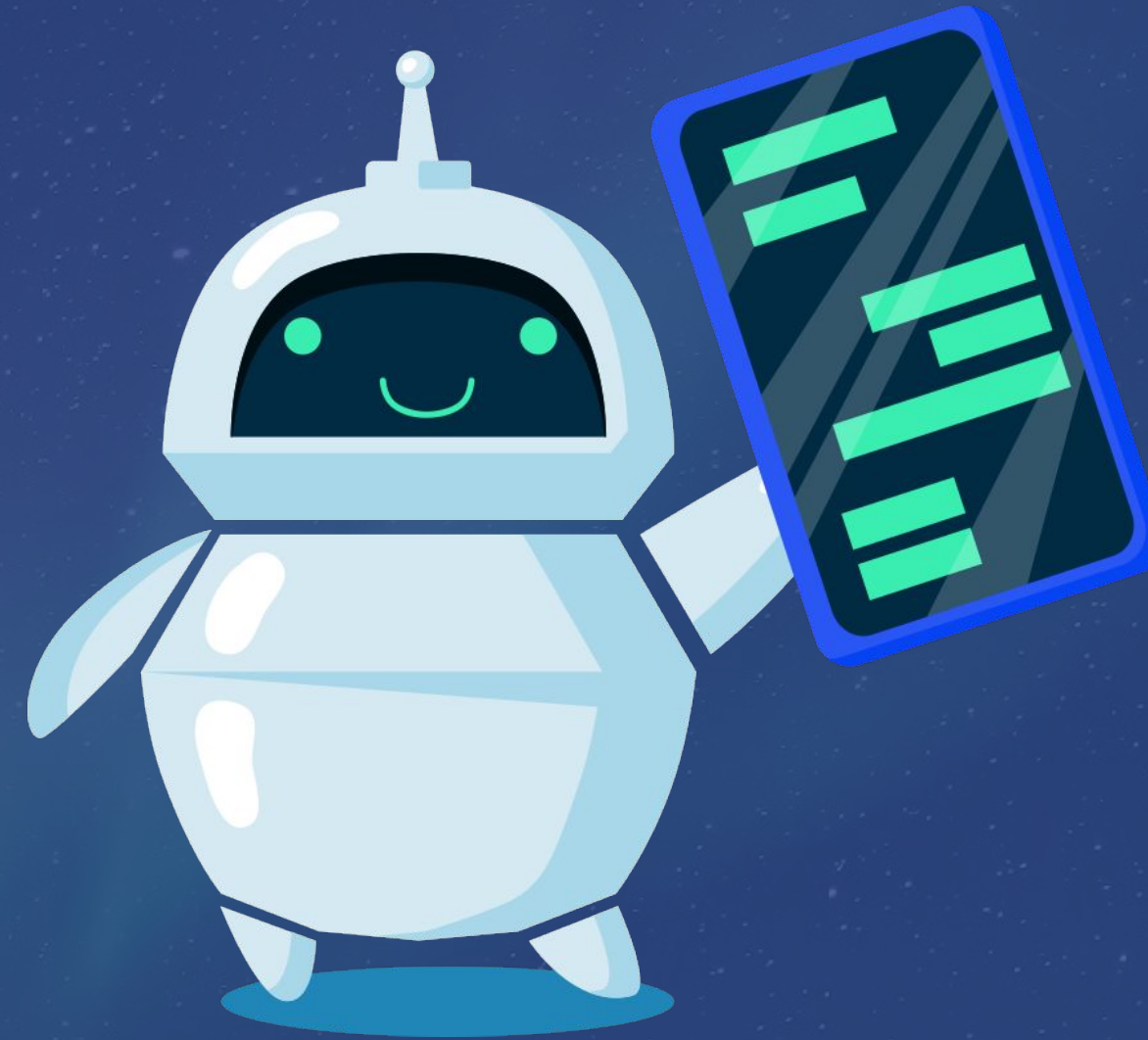
Context determines harm

What are Deepfakes?

**Synthetic images,
video, or audio**

**Face swaps, avatars,
voice clones**

Increasing realism





THIS IS NOT MORGAN FREEMAN.

This video is 4 years old.

**Dogs choose their
forever homes
class of 2025**



Prompt Engineering

The skill of crafting precise instructions that guide AI models to produce optimal responses.

Prompt Engineering

Instruction

Give prompt engineering advice as a

Context / Character

millionaire in your Lamborghini at the traffic lights.

Data

You're speaking to 50 students standing at the

Tone / Style

curb. You avoid cringeworthy metaphors or slang.

Constraints

Your core lesson always helps with personal storytelling and brand building, to but you have to be quick because the lights are about to change.

AI-Generated Video

- Script → avatar → video
- Minutes to create
- Used for education or deception

Classroom Uses:

- Bring historical images to life
- Bring historical events to life
- Put a modern twist on historical event

AI-Generated Video

Character

A cute robot cat

Action

pulls clothes from a basket

Setting

inside a home laundry.

Camera

Product demo style video with

Mood

warm and cozy lighting.

Details

The cat has cute furry features.

AI-Generated Video



AI-Generated Video

Prompt: “A news reporter reporting from the frontlines where George Washington is speaking with troops during the Revolutionary War.”

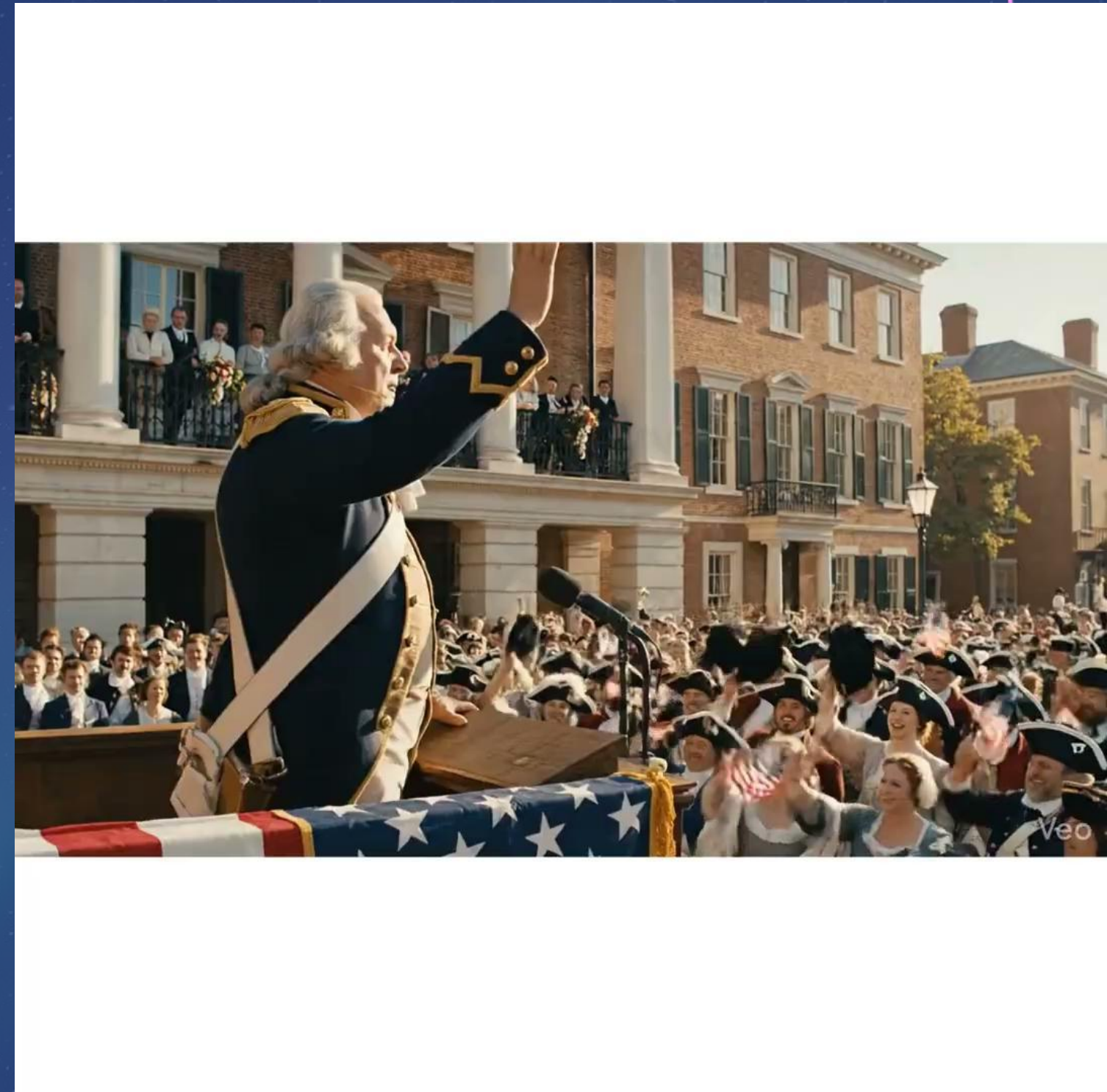
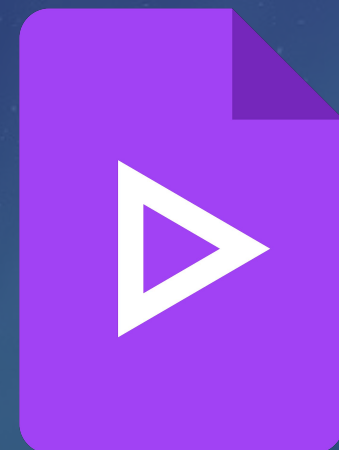
Hey
Gen

Hey
Gen



AI-Generated Video

Prompt: "George Washington giving a campaign speech while running for president."



Voice Cloning

- Voice samples → AI model
- Text becomes speech

Classroom Use Ideas:

- Create a podcast with MLK
- Have a historical figure talk about their life
- Have a famous person endorse an invention they created

Voice Cloner



Image Generation

Classroom Use Ideas:

Text → image

**Style, bias, accuracy
matter**

**Creative and
analytical uses**

**Recreate a moment
from a book**

**Recreate a historical
moment**

**Replicate art in the style
of a famous artist**

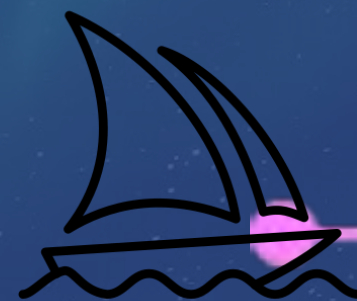
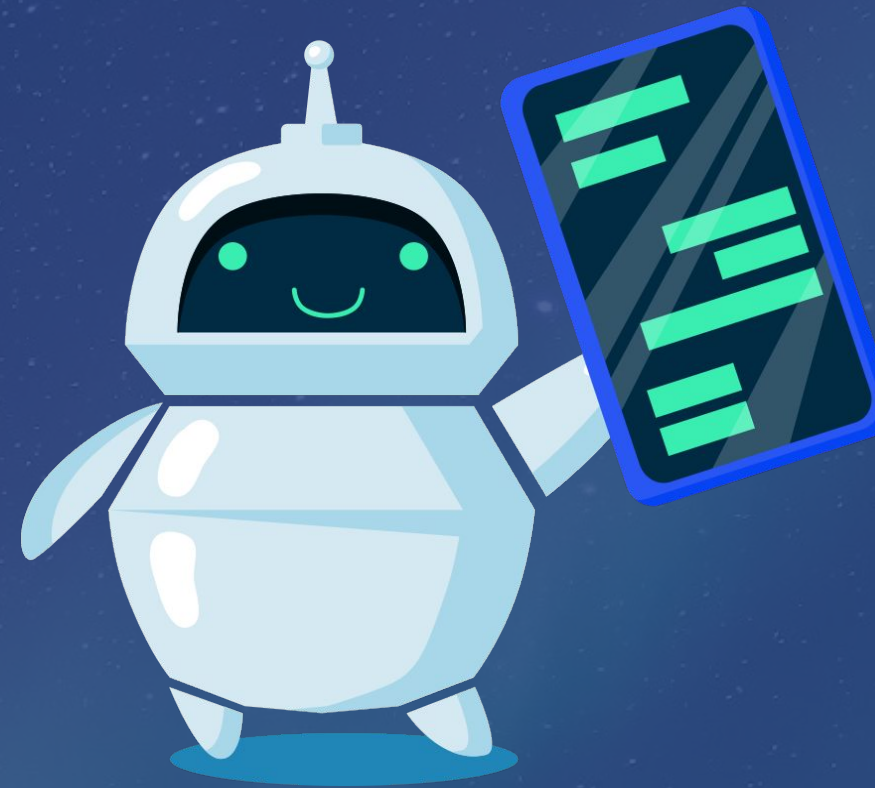


Image Generation

Subject / Content

4 raccoons in heavy metal gear in a band in a

Style

photo taken with a disposable camera

Composition

wide shot. It's gritty, but also aesthetically

Mood

pleasing enough to be an album cover.

Details

The kick drum has the band name "Trash metal".

Prompt:

George Washington meeting with generals strategizing for the Revolutionary War.

Image Generation



Gemini

Prompt:

George Washington meeting with generals strategizing for the Revolutionary War.

Image Generation



Gemini

How to Detect & Question AI Content

2



How Generative AI Works

- Trained on large datasets
- Predicts what comes next
 - Doesn't know truth

AI predicts, it does not verify

[Teachable Machine](#)

[Corgi Butts vs Loaves of Bread Test](#)

[Download This Google Drive folder with images already categorized.](#)



Real or Fake?

[This Person Does Not Exist](#)

[Whichfaceisreal.com](https://www.whichfaceisreal.com)

Clues That Content May Be AI-Generated

Hands, text, lighting

Inconsistent details

Unnatural motion or speech

Short clips

Low quality video

AI is taught patterns, not perfection.

Questions Students Should Ask

- Who created this?
- Why was it made?
- What evidence supports it?



3

How to Teach AI Responsibly

Why Teach AI Creation at All?

- **Creation builds understanding**
- **Reveals limitations**
- **Encourages ethical reflection**

Classroom Use Ideas:

- **Historical Reenactments**
- **Voice & Storytelling**
 - **Historical interviews**
 - **Fictional narratives**
 - **Accessibility support**
- **Fake News Labs**

Seeing Is No Longer Believing

**Visual realism is
deceptive**

**Audio can be
fabricated**

**Trust requires
skepticism**

Question Everything

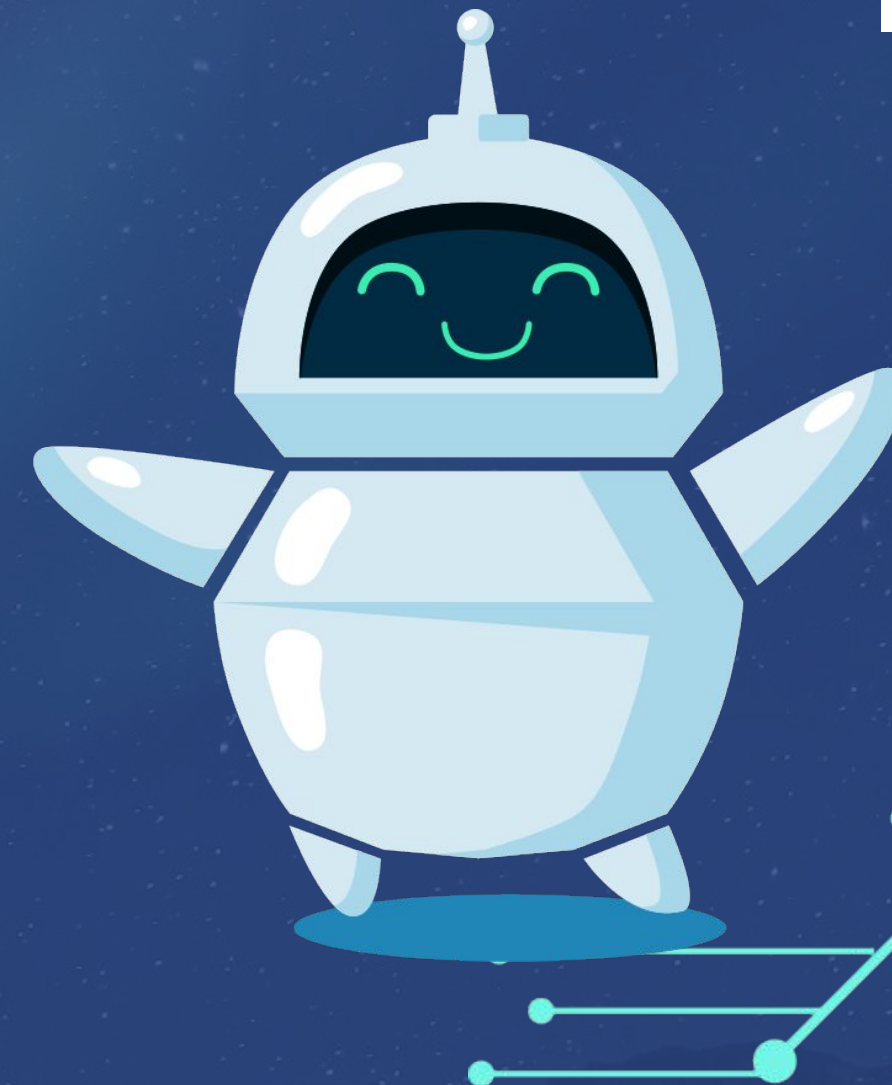
**Teach truth through
creation**

Example Classroom Use Ideas

Have chatbot role play as a:

- Famous scientist/mathematician
- Historical figure
- An animal, plant, virus being studied
- A non-living thing (planet, tornado, fossil, rock, chemical element, number)
 - [Chat with a hexagon \(Elem\)](#)
 - [Chat with the element Mercury \(High School\)](#)
 - Character from book
 - Person in a job
 - Person living in a different place
 - Person living in a different time
 - [Webinar Resource from Eric Curts](#)
 - [Eric Curts Website Resources](#)

**HISTORY
HELLO**
by Humy



Additional Classroom Use Ideas

- Deepfake video trailer on a book
- [Song about a topic they learned](#)
 - [Punnett Square Song](#) (Eric Curts)
 - [Trapezoid Area Song](#) (Eric Curts)
 - Chapter from the book they're reading
- [NotebookLM](#)
 - [Biology Example](#)
 - [Drone Pilot Resources](#)
- Create sample test questions/study guide
- Train own AI

Your Turn

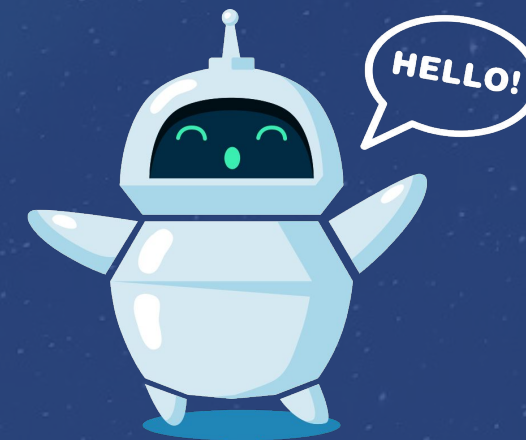
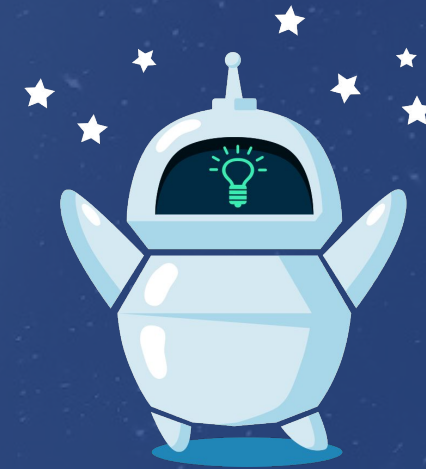
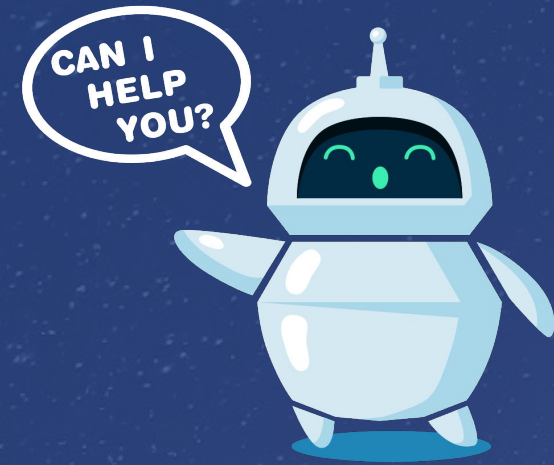
Think of an existing lesson

- Choose one:
 - Detect
 - Create
 - Reflect
- Add an AI tool to this lesson
- Share your ideas



Suggestions:

- AI literacy > tool mastery
- Question before believing
- Teach ethics explicitly
- Try one AI activity
- Focus on thinking, not tools
- Share outcomes



Thank you!

**Question Everything.
Teach truth through creation.**

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Slides Carnival

