

What is AI?

In this project, students will gain an overview of AI and its various applications and abilities to generate new content.

Note: Students will need to create logins to interact with certain sites used in the project and will need webcam access.

Objectives: Students will be able to...

- discuss various applications of AI
- explore generative capabilities of AI in multiple media forms

Vocabulary

Word	Definition
Artificial Intelligence (AI)	The ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings
Bias	Occurs when a result is more favorable to a certain outcome.
Generative AI	A form of artificial intelligence that generates new content such as text or art

Planning Notes

- This project has students interact with different AI resources, some of which have requirements.
 - [character.ai](#) will require students to login to complete the *AI Generated Text: AI Characters* activity. SSO with Google can be used.
 - Students will need access to their webcam to use the [Thing Translator](#) in the *AI Generated Images: Translator* activity.
- There is a Youtube video used in this project. If your school has a firewall or disabled access, an alternate link can be found in the associated activity.
- There is an example of an AI generated song in the *AI Generated Music* activity. It would be fun to create a song in real time with your students, allowing them to give input on the prompt used. The site used to create the song in the activity is [Suno AI](#) which gives a few free credits with login.
- An additional resource you may consider using with your students is [AI Dungeon](#) which is a text based story game that gives free credits with a login.
- This project can easily be extended to last 2 class periods if students are able to spend more time exploring each resource.

Teaching and Learning Strategies

Project Opener

- It may be helpful to get a general sense of knowledge before beginning the project so begin by asking the class what they know about AI. You may choose to collect this information in some manner or simply have a discussion that prefaces the project. [2-10 mins]



- Read through the *Overview: What is AI?* activity as a class or have students look through it on their own. Watch the associated video individually or as a class. [5 mins]
 - If YouTube is blocked at your school, an alternate link is available in the item description.
 - You may want to add the definition of *artificial intelligence* and *generative AI* to a word wall.

Activities

- Students complete the *AI Generated Text: AI Characters* exercise. [10-20 mins]
 - This activity (as well as those that follow) can also be completed in pairs or small groups to encourage exploration and conversation between students.
 - When students get a chance to engage with an AI, they can get excited, off-track, or carried away fairly easily. Depending on your available time, you may want to set a timer for the activity to be sure students are completing what needs to get done in the allotted time.
 - This site requires students to login to interact with the AI. If that is not possible, you can have an interaction with the AI as a class and have students complete the free response questions based on that.
- Students explore the *AI Generated Text: Connections* exercise. [5-10 mins]
 - You **definitely** want to put a time limit on this one because it is super addictive and students will not want to stop!
 - Additional resources:
 - [List of Infinite Craft recipes](#)
 - [Infinite Craft article](#)
- Students explore the *AI Generated Images: Artificial People* exercise. [5-10 mins]
 - You may want to make it a competition, saying 'The first person to get 10 correct wins' or 'The person who can get the most correct in 25 rounds wins'.
- Students complete the *AI Generated Images: Identification* exercise. [5-10 mins]
- Students complete the *AI Generated Images: Translator* exercise. [5-10 mins]
 - The translator is quite finicky and may not give students the results they were expecting. You may want to have them complete this activity in groups so they can reason through why it would give them a certain response.
- Students view the *AI Generated Music* exercise. [5-10 mins]
 - You may choose to create a song in real time with your students, allowing them to give input on the prompt used. The site used to create the song in the activity is [Suno AI](#) which gives a few free credits with login.
- Students view the *AI Generated Video* exercise. [1-2 mins]

Project Closer

- Students answer the questions in the *Reflect: AI in our World* free response activity. [5-10 mins]
 - You may want to use think, pair, share with these questions to allow students to discuss their thoughts with others.