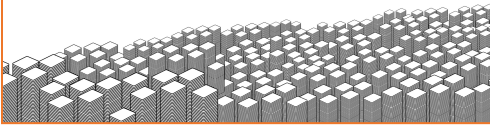


## Lesson Plan

This lesson plan is designed to help you teach using a Common Craft video. Use the information below to introduce the video and then follow the video with discussion questions and other resources.

### Large Language Models

Explained by Common Craft



 **Watch the Video**

**ISTE Standard:**  
**Empowered Learner, Indicator 1d**

## Large Language Models (LLMs)

Explained by Common Craft

Artificial intelligence tools, like ChatGPT, can generate original responses to human questions and commands. Behind the scenes, these tools depend on a Large Language Model or LLM. This video explains how LLMs generate human-sounding responses.

### Learning Outcomes

- Explain to what degree AI understands the responses it provides
- Describe how Large Language Models collect data
- Create an example how an LLM can assemble a response to a question
- Explain why an LLM may provide inaccurate or misleading information

### Discussion Questions

#### Q #1

What are examples of online resources that provide data for an LLM?

#### Q #2

An LLM helps AI assemble human sounding responses. How?

#### Q #3

How would you use AI?

### Knowledge Check Q&A

#### Q:

Where does an LLM get the data it needs?

- a. Websites across the web
- b. Wikipedia
- c. Online scientific papers
- d. Online books
- e. All of the above

**A: e. All of the above**

#### Q

True or False: AI and LLMs always provide trustworthy information.

**A: False**

#### Q

How many words can an LLM access online?

- a. Up to 100,000
- b. Up to 1,000,000
- c. Up to 1,000,000,000,000

**A: c. Up to a trillion**

## Resources for Learning More

### Stanford University

How Large Language Models Will Transform Science, Society, and AI

<https://hai.stanford.edu/news/how-large-language-models-will-transform-science-society-and-ai>

### University of Michigan

What's in the Chatterbox?

<https://stpp.fordschool.umich.edu/sites/stpp/files/2022-05/large-language-models-TAP-2022-final-051622.pdf> (PDF)

### Stephen Wolfram

What is ChatGPT Doing and Why Does it Work?

<https://writings.stephenwolfram.com/2023/02/what-is-chatgpt-doing-and-why-does-it-work/>