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Artificial Intelligence (AI) in the Classroom

Student activity #2 - Practicing AI for Learning

Welcome to

Practicing AI for Learning

Brief Group Conversation

- What are some of the AI tools you know for exploration and learning?

- How can you use AI to generate content?

Introduction to AI

What is AI?

Artificial intelligence (AI) is the simulation of human intelligence in machines that are programmed to think like humans and mimic their actions. AI allows computers to learn from experience, adjust to new information and perform human-like tasks. AI powers many technologies today, including virtual assistants like Siri, self-driving cars, facial recognition and more.

AI in creativity

Assisting Artist

AI can help artists generate new ideas, compositions and styles

Writing Stories

AI can write original stories, poems and articles

Co-creating music

AI can collaborate with musicians to compose new songs and melodies

Generating Artwork

AI can generate artwork in different styles and medium

Design Inspiration

AI can provide creative direction and inspiration for graphic designers

Image generation with Dall-E

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Can AI make music?

Text Generation for AI

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Group Conversation

Prompts

- What did you notice?

    - AI can generate diverse content like text, images, video and audio.

- What did humans do to allow for AI to create content?

Let's practice with Dall-E

Task 1

- Prompt Dall-E to make a book cover for a short story

- In small groups, decide to write no more than 10 words describing what you want your cover to look like

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Let's practice with Dall-E

Task 2

- Prompt Dall-E to make a book cover

- Setting - What time period is your story taking place in, what is the weather like, what is the environment like?

- Main Character: Gender, Age, Hair Color, Monster, Size...

The importance of prompts in AI

AI creativity relies on prompts

The AI model generates creative content based on the prompts it receives

Prompts guide the direction

Well-crafted prompts provide guidance for the AI to create relevant and thoughtful content
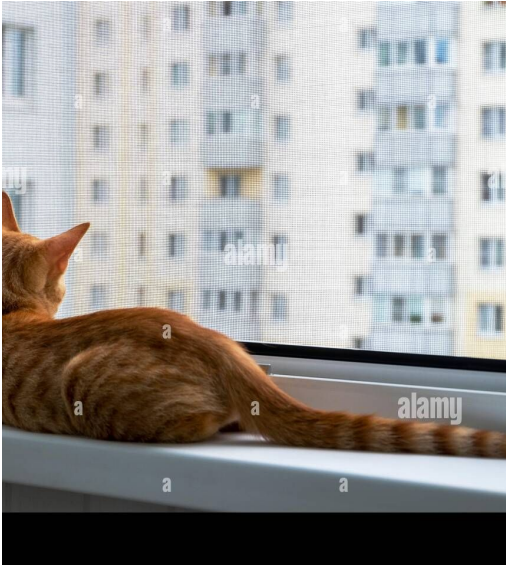
Prompts spark ideas

The prompts give the AI something to build on and inspire creative output

Prompts are the most important part of AI creativity, providing the necessary direction and inspiration for the AI to generate creative work.
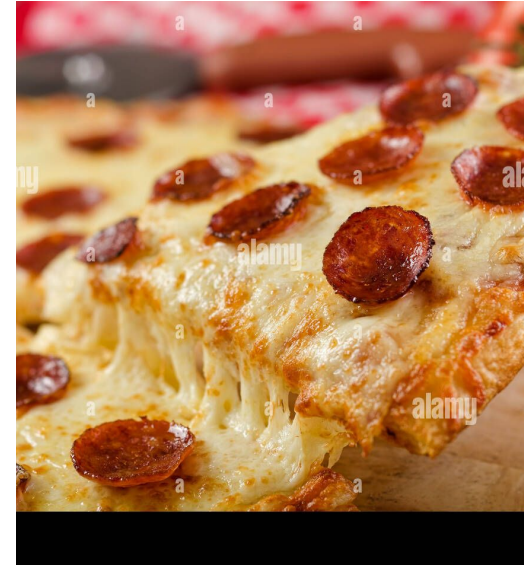
Imagery Generation with DALL-E 3

Cat

An orange tabby cat with green eyes sitting on a windowsill looking outside

Beach

A tropical beach with white sand, palm trees, and turquoise water during sunset

Pizza

A pepperoni pizza fresh out of the oven with melted cheese on a wooden table

Introduction to ChatGPT

"ChatGPT is an AI writing assistant that turbocharges productivity. It's like having a personal scribe for essays, stories, and more! "

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Introduction to ChatGPT

Option 1

Ask ChatGPT to write a poem on your favorite hobby

Option 3

Ask ChatGPT to write a resume for job you want to have one day

Option 2

Ask ChatGPT to write a short story using the same information from your book cover

Group Conversation

Prompts (7 minutes to explore with your group)

- Don't forget the importance of your prompts! Use different prompts to see how your human input effects what the AI creates!

10 minute: Prompt Refinement

Prompts (7 minutes to explore with your group)

- Give the AI a persona - "You are an author writing for a middle school audience"

- GIve the AI an objective - "You are writing a fantasy story meant to entertain the reader"

- Provide key details that are important to you: Main character, problem, setting, etc.

Reflection

What is the most surprising thing you learned today?

How might you use AI in your life moving forward?

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Thank You

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