

DAIVERSE LEARNING ACTIVITY



Discovering AI: A Journey Through Artificial Intelligence

AUTHOR

This activity introduces students of varying abilities to fundamental AI concepts through interactive, inclusive, and scaffolded learning tasks.

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[What part(s) of the [Daiverse Framework](#) are covered in the scenario?]

AI TEACHING ASSISTANCE

- Learning Styles Diversity
- Linguistic Diversity
- Cultural Diversity

AI FOR DIFFERENTIATED INSTRUCTION

- Attention and Concentration Enhancement
- Thinking and Reasoning Enhancement
- Memory Boost

AI-DRIVEN ACCESSIBILITY

- Self-regulation Development
- Learning Needs Development
- Speech and Communication Development

AI EDTECH TOOL



[Teachable Machine](#)

AGE GROUP



10-14 y.

TIMING of ACTIVITY



60 min.

OBJECTIVE(S)



- Students will understand what AI is and identify its applications in daily life.
- Students will experience hands-on interaction with AI tools to create a simple machine learning model.
- Students will collaboratively discuss ethical considerations of AI.

DESCRIPTION



Introduction (15 minutes)

Begin with an engaging question:

"Have you ever talked to Siri, Alexa, or used Google Translate? Did you know that's AI?"

Show one of my [videos](#).

Conduct a quick brainstorming session to list everyday examples of AI (voice assistants, recommendations on Netflix, self-driving cars).

Hands-On Activity (30 minutes)

Choose an accessible tool: Teachable Machine - Students train an image recognition model using their webcam (e.g., distinguishing between hand gestures or objects).

Provide step-by-step printed and visual guides. Group students for peer support; each group includes diverse abilities. Use assistive technologies for accessibility, like screen readers or voice inputs (Immersive reader of our Teams platform). Learners needing extra support can focus on simpler tasks (e.g., training one category or basic interactions).

Discussion and Reflection (15 minutes)

Pose inclusive questions:

"What surprised you about what AI can do?"

"How could AI help someone who can't see or hear well?"

"What could go wrong if AI makes mistakes?"

Use a think-pair-share approach: Think individually for a minute. Pair up to discuss ideas. Share with the class to ensure everyone's voice is heard. Document insights visually using a collaborative mind map or a classroom board.

ASSESSMENT & FEEDBACK



Formative Assessment

Observe engagement and participation during brainstorming and the hands-on activity. Collect student reflections.

Summative Assessment

Evaluate the AI models or projects for creativity and effort, rather than technical accuracy.

Feedback

Provide personalized feedback highlighting strengths and areas for improvement. Offer encouragement for further exploration of AI concepts.

TIPS & RESOURCES



Test the tools before the lesson to anticipate technical issues. Foster an inclusive environment by celebrating diverse contributions.

Resources

[Teachable Machine](#) (ES)

Guides for diverse learners: Large-print handouts, step-by-step visuals.