

Lesson Plan

AI Examples

Book: *Artificial Intelligence in the Real World*

Series: Artificial Intelligence

Level: Voyager

Objective

To help students work in groups to create presentations showcasing different examples of AI in the real world.

Supplies

- *Artificial Intelligence in the Real World* book
- Computers with internet access

Before the Activity

Read through the *Artificial Intelligence in the Real World* book, or assign it to students to read on their own. Divide the class into six groups.

Activity

Artificial Intelligence in the Real World gives several examples of current real-world applications of AI. Students will conduct their own research to learn more about how AI is currently being used. Assign each group one of the following topics to research:

- Creative AI
- AI in Manufacturing
- AI in Health Care
- AI in Business and Customer Service
- AI in Emergency Services
- AI in the Home

Each student in a group should research one example of how AI is currently being used in that field. Students can do further research on examples given in the book, or they can find additional examples. If students use an example from the book, they should still find online sources that give additional information about that example.

Students should conduct their research independently. They should take notes to record the key details about their example. Then, members of each group should come back together and use their research to create a presentation to share with the rest of the class. First, they should choose one student to give a 1-minute summary introducing the group's topic and explaining

what all the examples have in common. Then, all the students in the group will take turns presenting their research. Each student should talk for approximately 2 minutes, making sure to mention the following details:

- what the AI technology is and how it works
- how the technology improves human life
- any other details that seem especially important or interesting

Finally, the group should choose a student to give a 1-minute conclusion. Each group should also create a slideshow that uses pictures or other visuals to add interest or clarify potentially confusing points. The slideshow should include links to the articles that students found in their research.

Evaluation

Use the following system to score each group's presentation. The highest possible score for a group will depend on the number of students in that group.

- 2 points for including an introduction and conclusion
- 2 points for including a slideshow with relevant images
- 2 points for including links to the students' sources for their information
- 3 points for each presenter who addresses the three prompts
- 3 points for each presenter who speaks clearly and organizes information well

Standards

This lesson may be used to address the Common Core State Standards' speaking and listening standards, grade 7 (SL 7.1, 7.4, 7.5), and the National Science Education Standards' Content Standard F, grades 5–8.