



from  CodeHS

AI Products: Ethical and Responsible Choices

Activity Plan

Overview

In this activity, students learn how everyday AI products use data to learn and make decisions. In groups, they read about one real-world AI product and weigh its pros and cons from two points of view: the people who use it and the people who create it. Then they redesign the product to be more inclusive or safer.

Recommended Grade Level(s): 3-8

Recommended Age Range: 9-12

Activity Length: 1 hour

Experience Level: Beginner

Technical Requirements

Note: This is an unplugged activity. Only the teacher needs a device to project the slides. Students work on printed handouts and do not need devices.

- Device Requirements
 - • 1 teacher computer connected to a projector or display (Mac, PC, Chromebook)
 - Online connectivity at a minimum of 10Mb/sec
 - Modern browsers on computers
 - Chrome
 - Firefox
 - or Safari Version 15.1 or higher
- Note on Student Accounts:
 - Students do not need an account to complete this activity.

Activity Materials

All resources needed for this activity are included on the lesson page.

Teacher Resources:

- [Teacher Slides](#)
- [Lesson Plan](#)

Student Resources:

- Pros and Cons of AI Products handout, printed one per group ([English](#) / [Spanish](#))
- AI Product Descriptions (scenario cards), printed one card per group ([English](#) / [Spanish](#))
There are 8 cards: self-driving cars, healthcare, voice helpers, face recognition, video and music apps, learning apps, farming, and translation. Print enough so each group gets one product.



from  CodeHS

Content Standards

- **CSTA E5-DAT-IM-11:** Analyze the benefits and risks of a computing technology that relies on collected data.
- **CSTA E5-SOC-HI-16:** Analyze how including or excluding diverse people has shaped the design and impact of computing technologies.
- **CSTA E5-SOC-HU-18:** Evaluate when it is and is not appropriate to use a computing technology to solve a problem.
- **CSTA E4-ALG-IM-03:** Evaluate how the outcomes of an algorithm may benefit or disadvantage different groups of people.
- **CSTA E4-DAT-IM-11:** Examine how data collected about people may affect individuals and groups.

Teacher Instructions

- Before the Hour of AI:
 - Review the teacher resources and lesson plan.
 - Ensure that you have the ability to project the activity slides to your students.
 - Print the Pros and Cons of AI Products handout, one per group.
 - Print the AI Product Descriptions, one product card per group.
 - Plan student groups ahead of time, mixing strengths to encourage balanced discussions.
 - Prepare a board or digital space to record ideas during the class discussion.
- During the Hour of AI:
 - Open with the question "What is something you would trust a human to do that you would NOT trust a computer to do?" Then use the slides to introduce what AI is and how it learns from patterns in data.
 - Assign each group one AI product. Groups read their product card and fill in the User and Creator T-charts on the handout, thinking about inclusivity, privacy, and safety.
 - Have each group complete Step 3 on the handout by redesigning their product to be more inclusive or safer.
 - Have each group share one pro, one con, and one change they would make. Lead a class discussion on common themes.
 - Close with the reflection question: "What role do you think AI should play in making decisions in our daily lives?"
- After the Hour of AI:
 - Students can complete the extension activity by designing their own AI product and planning how to make it safe, fair, and respectful.
 - Did you know that CodeHS offers K-12 AI curriculum, PD for teachers, and classroom tools? Go to codehs.com/ai to learn more about how you and your students can continue learning about AI.

Need Help?

Email support@codehs.com to get in touch with our support team!