Alana Robinson & Qianhui Vanessa Zou
Final Project: Unit Plan
SEDC 73600 Curriculum Design
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Impacts of Artificial Intelligence and Machine Learning: How the A.I. BOTS in Our Lives Learn

Lesson 2: A.I. in Our Daily Lives (Alana):

Learning Target: Students will learn and discuss examples of A.I. and Machine Learning in their lives and their impact. Are things easier or harder with A.I.?

Standards:

K-1.CT.2 Computational Thinking - Data Analysis & Visualization
Identify different kinds of data that can be collected from everyday life.

2-3.IC.1 Impacts of Computing
Identify and analyze how computing technology has changed the way people live and work.

2-3.IC.3 Impacts of Computing
Discuss and explain how computing technology can be used in society and the world.

2-3.IC.5 Impacts of Computing
Identify and discuss how computers are programmed to make decisions without direct human input in daily life.

Introduction/Hook: Students brainstorm examples of A.I. they encounter in their lives.
in iis qui facit eorum claritatem. Investigationes demonstraverunt lectores legere me lius quod ii legunt saepius.

- List 2- 3 examples of where you have seen A.I. in your life

Possible Examples include:
 - email filters
- auto-complete text

- video recommendation systems

- voice recognition

- translation apps

- digital assistants

- image recognition

- ❖ The teacher shows the video examples in the slide and discusses with students whether those are examples of AI ☐ ExamplesOfAI
    Source: [DayofAIAustralia.Com.Teaching Materials & Training](#)

- ❖ The teacher discusses and lists examples of A.I. that already exists in their lives and reads examples from the article.
    Source: [22 Examples of Artificial Intelligence in Daily Life (2022) | Beebom](#)
  Amazon's Alexa Virtual Assistant
- ❖ Google Virtual Assistant
- ❖ Apple's Siri Virtual Assistant
- ❖ Microsoft's Cortana Virtual Assistant
- ❖ Google Search
- ❖ Google Speech-to-Text Search

Mini-Lesson (We Do): The teacher introduces the two videos that describe A.I. and Machine learning in their lives and all the ways they learn.
    Source: [Love Letters to Computers | Hello Ruby](#)

- Hello Ruby: Machine Learning and A.I. video (6.57 mins.),
  which reviews and lists examples of A.I. and Machine Learning. It explains how machine learning works, what kind of jobs will robots and humans do, and how computers learn, and it explores machine learning, AI, and how computers are changing our society.

- [Computer Science in One Minute - Episode 26 - CAPTCHA](#) (1.37 mins), Computers are listening, responding, recommending, predicting, and learning new things quickly. How do they do that? They do it with the help of artificial intelligence called CAPTCHA, a tool that learns from lots of training data.

Independent Unplugged Activity Choice A-Level 1 (You Do): Students will identify examples and non-examples of artificial intelligence. They will sort A.I. and not A.I. images.

Source: [DayofAIAustralia.Com.Teaching Materials & Training](#)

📒 AI or not?Lesson2.ActivityA

📒 ExamplesOfAI

Unplugged Activity Choice B-Level 2 and 3 (You Do): Create Your Own Captcha

CAPTCHA is often used as a security tool that blocks a computer pretending to be a human from getting into something, like a website. When you log into your favorite game site, you might be asked to identify a series of numbers, letters, or objects in an image. That's a CAPTCHA. The tasks are usually easy for humans but difficult for computers, so they are great at making sure it's a human logging on and not a computer.. Make your own CAPTCHA! Choose an image like a cat, a house or a traffic sign and make tricky versions of it.   [HelloRuby.A.I.andMachineLearning.HowMachinesLearn.CaptchaExercise.pdf](#)

Wrap-Up-Debrief/Reflection: How do you want to be assessed? Peer or Self Assessment Conversation Talk about the activity with your peer (Peer Assessment)

- What did you learn about A.I. from this activity?
- What are you still confused about or have a question about?
- What did you enjoy about the activity?

Exit Ticket (Self-Assessment)
Choose one question to answer

- What did you learn about A.I.?
- What did you enjoy about this activity?
- List 3 examples of A.I. in your life and what makes it A.I.?
- What do you still have a question about or are confused about?