Alana Robinson & Qianhui Vanessa Zou
Final Project: Unit Plan
SEDC 73600 Curriculum Design
Hunter College, Fall 2022

Impacts of Artificial Intelligence and Machine Learning: How the A.I. BOTS in Our Lives Learn

Lesson 10: Final Project in Scratch Jr. How would your A.I. learn? (Vanessa):

Learning Target:

- Students show understanding of how AI learn; images, sound, and text.
- Students will demonstrate block based programming skills through Scratch.
- Students uses a variety of computer science vocabulary.

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.
4-6.CT.1 Computational Thinking - Modeling & Simulation
Develop a computational model of a system that shows changes in output when there are changes in inputs.

Introduction/Hook (I Do): Culminating Project Checklist

Teacher introduces 2 to 3 days culminating project to complete on Scratch. A checklist will be provided for students to follow to complete the project. Students will pick one of the 3 ways AI learns. In the Scractch project, the students will use sprites to show how an AI can learn and what data set AI will be provided to show what the AI has learned.

(We Do):

The teacher will go over the basic components of Scratch and discuss with the students what are some blocks they will consider to use for images, voice, or text.

Independent Activity (You do):

Students will work on the Culminating project on Scratch.

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 are some blocks you used for the program?
- What are some struggles?
- What are some AHA moments?

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

- What have you completed on your project?
- List 3 blocks you are using often in your programming.
- What did you enjoy most about this project?