AI Lesson Plan

Develop a lesson plan to demonstrate how you would use AI in your classroom to fit your grade/age level. Lesson plans will be shared at the final live session on October 22

Name: Melissa DeMull

Subject(s) Taught: Technology

Grade Level: 7th Grade

Intro & Purpose

Describe how you would introduce your topic to spark student interest.

I want to introduce my AI unit by starting with QuickDraw.
- Students will play
- I will demonstrate whole group
- Discussion to follow about how the computer “learns”

Key Terms

List the key terms relevant to your topic.

Artificial Intelligence
Neural Network
Big Data
Algorithm
Machine Learning

Activity

Describe a learning activity that would aid student understanding of your topic. List the resources needed.

- Intro with Video about how neural networks form.
- Lead into how computers gather Big Data to form patterns. This data can be put together. https://pudding.cool/2017/03/film-dialogue/
  - Think-Pair-Share
- What do you notice?
- What new information does this show you?
- Thinking length of time: what do you think would be the difference between a computer and human compiling this information?

- Quick Check on a Discussion Board:
  - How would you define Artificial Intelligence?

- Together we can create an algorithm. With the hope that students see as more examples are gathered (more data), the computers will constantly change to update their algorithm.
  - https://machinelearningforkids.co.uk/
    - I will put the students into breakout rooms to create this together. I use breakout rooms as they can share their screen and work together!

**Assessment**

Describe how you would assess student learning and understanding

For my assessment, I want each student to record a video/audio of explaining their learning:
- Explain the purpose and what is happening with each additional step.
- Explain how this relates to QuickDraw!
- *Explanations need to include at least 3 of our vocabulary terms used correctly.*