

## DYP 21<sup>st</sup> Century Skills

# TECHNOLOGY LITERACY



**Grade 6-8**

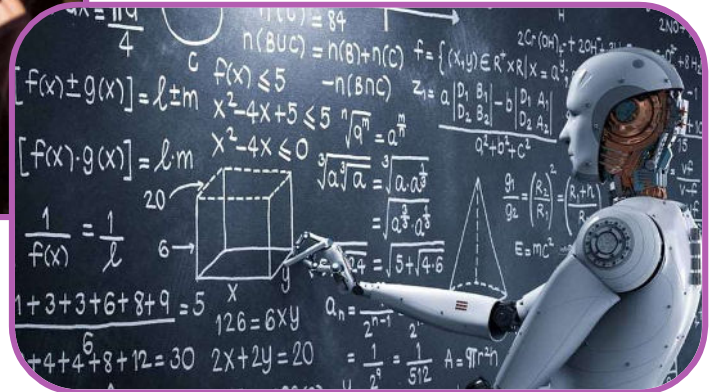
Mentee : \_\_\_\_\_

Grade : \_\_\_\_\_

Date: \_\_\_\_\_

## TECHNOLOGY LITERACY ACTIVITY 1

**Robot Teachers:** AI is here. Robots are being produced all over the world. Answer the questions below with a critical and creative mind!



1. Do you believe robots will replace humans as teachers in the near future? If so, when? Will school be different?
2. What tasks could a robot teacher do more efficiently and effectively than a human teacher?
3. If you could program a new robot teacher to do what you want, what features would you focus on?

Mentee: \_\_\_\_\_

Grade: \_\_\_\_\_

Date: \_\_\_\_\_

**TECHNOLOGY  
LITERACY  
ACTIVITY 2**

**The new ChatGPT student:**

ChatGPT is changing the way we all think about finding information and writing! Watch the short video below and then answer the questions with a critical and creative mind!



[https://www.youtube.com/watch?v=AXn2XVlf7d0&ab\\_channel=TheAIAdvantage](https://www.youtube.com/watch?v=AXn2XVlf7d0&ab_channel=TheAIAdvantage)

1. Will ChatGPT help students become better, more independent learners or make them look for an easier way to complete homework, assignments and projects?
2. Do you think it will make some people cheat or make them use it to find information quickly from which they can rewrite by themselves?

Mentee : \_\_\_\_\_

Grade : \_\_\_\_\_

Date: \_\_\_\_\_

**TECHNOLOGY  
LITERACY  
ACTIVITY 3**

**AI and Machine Learning Exploration:**

This task is a fast and easy way to create machine learning models for your sites, apps, and more – no expertise or coding required. Have a go!

Tinker With a **Neural Network** Right Here in Your Browser.  
Don't Worry, You Can't Break It. We Promise.

Epoch: 000,000    Learning rate: 0.03    Activation: Tanh    Regularization: None    Regularization rate: 0    Problem type: Classification

**TensorFlow Playground**  
<https://playground.tensorflow.org/>

Teachable Machine

**New Project**

Open an existing project from Drive.    Open an existing project from a file.

**Image Project**  
Teach based on images, from files or your webcam.

**Audio Project**  
Teach based on one-second-long sounds, from files or your microphone.

**Pose Project**  
Teach based on images, from files or your webcam.

**Teachable Machine**  
<https://teachablemachine.withgoogle.com/>

Did you experiment with these AI models? If so, did you see how these technologies work? Explain.