HIGH 5 – LESSON PLAN

Grade: 6-12	Subject: Visual Art	Date: 2/23/2024

Topic: *Generative AI for Image Creation*	Lesson # AI.1

Lesson Focus and Goals: Students will gain an understanding of how machines use words to craft images. Students will explore their own perception of images and how they relate to words with the goal of understanding perception and managing expectations with machine learning algorithms.

Materials Needed: Access to an image generator such as Adobe Express, Adobe Firefly, or Adobe Photoshop.

Learning Objectives & Standards:
Anchor Standard: 1: Generate and conceptualize artistic ideas and work
Anchor Standard: 7: Perceive and analyze artistic work

Structure / Activity:
Students can work independently or in groups.

1. **Instructions:** Come up with a list of 5 words that you can string together to form an image (ex. Summer Beach Surf Pelican Pier)
2. **Create** a google slide presentation.
3. **On each page** write your Prompt word/s (starting with one, and adding until you string together all 5 words) Write down your expectation of what the image should look like when it's rendered (for example if I use the word dog - I would expect the image of an average lab type dog. If I used the word Dog and park, I would expect an image of a dog in the park.)
4. **Next, create that image in your image generator (**Photoshop, Firefly, etc.), on a page that is 8" x 8" (select the entire artboard and type your prompt into the generative fill, Choose one of the first three images options, export it as a .jpg and put it on that page of the slide show.
5. **Then write a sentence** or two explaining how the images did or did not meet your expectations and why do you think that is.
6. **Do this all 5 words.**
7. **Next come up with another 5 words and do it again.**
8. **Share the slide show with the teacher.**
9. **Next share your slide show with another student.** Discuss how the images did or did not meet your expectations and why do you think that is.

Assessment: Review the student slide show and writing. Check for understanding of perception and ability to use the image generator.