ESP3O

Mr. Chen

**Assignment 5: Video Presentation**

You have two choices for this assignment:

1. A pre-recorded live action video
2. An animated video

Our school is hosting the [2024 Global Youth Challenge](https://theglobalyouth.org/), and the topic is Artificial Intelligence. Please do a video topic related to Artificial Intelligence. Examples of topics include:

1. **Ethical Considerations in AI:** Discuss the ethical dilemmas surrounding AI, such as bias in algorithms, privacy concerns, and potential job displacement.
2. **Machine Learning Algorithms Explained:** Create an animated video that breaks down popular machine learning algorithms like decision trees, neural networks, and support vector machines.
3. **AI in Healthcare:** Explore how AI is revolutionizing healthcare through applications like medical image analysis, predictive diagnostics, and drug discovery.
4. **Natural Language Processing (NLP):** Explain how NLP works, its applications in chatbots, sentiment analysis, and language translation, and the challenges it faces.
5. **AI in Gaming:** Explore how AI enhances gaming experiences through procedural content generation, intelligent NPCs, and realistic physics simulations.
6. **Autonomous Vehicles:** Discuss the technology behind self-driving cars, their potential impact on transportation, and the challenges they need to overcome.
7. **AI and Creativity:** Showcase how AI is used in creative fields such as art, music composition, and storytelling.
8. **AI in Agriculture:** Explain how AI-powered systems are improving crop yields, monitoring soil conditions, and predicting pest outbreaks.
9. **AI in Business:** Explore how businesses use AI for customer service, market analysis, supply chain optimization, and fraud detection.
10. **Robotics and AI:** Discuss the synergy between robotics and AI, including applications like industrial automation, medical robotics, and space exploration.
11. **AI in Education:** Show how AI is transforming education through personalized learning, automated grading, and intelligent tutoring systems.
12. **AI and Cybersecurity:** Explain how AI can be used to detect and prevent cyber threats, as well as potential risks and limitations.
13. **The Future of Work with AI:** Discuss how AI is reshaping the job landscape, the skills needed to thrive in an AI-driven world, and the concept of "augmented" rather than "automated" work.
14. **AI in Finance:** Explore the role of AI in algorithmic trading, credit scoring, fraud prevention, and financial analysis.
15. **AI and Climate Change:** Highlight how AI is contributing to environmental conservation and climate modeling for better understanding and mitigation strategies.
16. **AI and Mental Health:** Discuss the potential benefits and concerns of using AI in mental health diagnosis, treatment, and support.
17. **AI and Accessibility:** Showcase how AI technologies are improving accessibility for people with disabilities through speech recognition, image captioning, and more.
18. **AI in Space Exploration:** Explain how AI assists in space missions, satellite control, data analysis from telescopes, and exploring other planets.
19. **Explainable AI:** Dive into the concept of explainable AI, its importance in building trust, and techniques for interpreting black-box AI models.
20. **AI and Privacy:** Explore the trade-offs between AI advancements and individual privacy, including discussions about data anonymization and consent.

Have a works cited list with at least 5 sources. One of your sources can this this article from your teacher: <https://www.weeklywisdomblog.com/post/climate-chaos-and-what-we-can-do>

If you don’t want to do artificial intelligence, then you can choose the same topic as Assignment 3.

Video time limit: 3-5 minutes.

**Animation Video Tools**: Powtoon, Canva, Laihua

**Live Action Video Tools**: Video Leap (for phone), VUE, iMovie, Video Boss, OpenShot

# Part 1: Knowledge & Understanding

Write a paragraph to explain what makes a good live action video OR animation video (pick the one you are doing).

# Part 2: Thinking

Write a paragraph on how you will engage the audience in your video presentation. You can talk about things such as

* Call-to-adventure
* Audience questions
* Stories
* Interesting facts

If you are doing a live action video, you should talk about hand gestures. If you are doing an animation video, you should mention the video template design.

# Part 3: Communication & Application

In class, you will show us your video. Make sure you use the tips and advice from lesson 5.1. If you are doing a live action video, make sure to use hand gestures.

Also make sure your video follows the structure of an informative presentation, with a proper introduction, body, and conclusion (review lesson 3.1).

# Overall Expectation:

Delivering Presentations: Communicate orally for a variety of purposes and audiences, using the

forms, language, and techniques of effective oral presentations.

# Learning Goals:

Select, create, and use appropriate audio-visual aids using available technology.

Make presentations in a variety of forms for various purposes and audiences

# Grading Criteria:

| Knowledge & Understanding(25%) | The student explains how to make a good video presentation. |
| --- | --- |
| Thinking(25%) | The student explains audience engagement methods in video presentations. |
| Communication (25%) | The submission meets the requirements and is organized. The student engages the audience and/or uses hand gestures.The presentation meets the time limit.  |
| Application(25%) | The student effectively creates a video presentation. |

# Lateness

Late assignments will lose 5% per day, up to a maximum of 20%.

# Rough Copy

The rough copy submission will be worth 10% of your grade. Remember:

Success = Hard Work + Getting Feedback + Acting on that Feedback

Complete rough draft = 10%

Incomplete rough draft = 5%.

No rough draft = 0%.

| **Rubric** |
| --- |
| **Category** | **Level 1****50-59%**  | **Level 2****60-69%**  |  **Level 3****70-79%** |  **Level 4****80-100%** |
| ***Knowledge/Understanding*** | ***The student:*** |
| The student explains how to make a good video presentation. | Demonstrates **limited** knowledge of video presentations. | Demonstrates **some** knowledge of the importance of video presentations. | Demonstrates **considerable** knowledge of video presentations. | Demonstrates **thorough** knowledge of the importance of video presentations. |
| ***Thinking/Inquiry*** | ***The student:*** |
| The student explains audience engagement methods in video presentations. | Explains audience engagement methods with **limited** accuracy and evidence.  | Explains audience engagement methods with **some** accuracy and evidence. | Explains audience engagement methods with **considerable** accuracy and evidence. | Explains audience engagement methods with **a high degree of** accuracy and evidence. |
| ***Communication*** | ***The student:*** |
| The submission meets the requirements and is organized. | The student followed submission requirements with **limited** effectiveness. | The student followed submission requirements with **some** effectiveness. | The student followed submission requirements with **considerable** effectiveness. | The student followed submission requirements with **a high degree of** effectiveness. |
| The student engages the audience and/or uses hand gestures. | Engages the audience with **limited** effectiveness. | Engages the audience with **some** effectiveness. | Engages the audience with **considerable** effectiveness. | Engages the audience with **a high degree of** effectiveness. |
| The presentation meets time requirements. | Presentation meets time requirements +/- 3 minutes. | Presentation meets time requirements +/- 2 minutes. | Presentation meets time requirements +/- 1 minute. | Presentation meets time requirements +/- 30 seconds. |
| ***Application***  | ***The student:*** |
| The student effectively creates a video presentation. | The student creates a video presentation with **limited** effectiveness.  | The student creates a video presentation with **some** effectiveness. | The student creates a video presentation with **considerable** effectiveness. | The student creates a video presentation with **high degree of** effectiveness. |