

4565: Computing Foundations for a Digital Age

Unit 2

Emerging Technology Mini-Research & Reflection

Name: _____ **Date:** _____

Instructions:

Choose an emerging technology related to AI, privacy, or cybersecurity (examples listed below). Use a reliable article, video, or website to complete the questions.

Suggested Emerging Technology Topics:

- Generative AI (e.g., ChatGPT, image generators)
- Facial recognition software
- Predictive policing tools
- AI surveillance systems
- Biometric authentication (e.g., fingerprint or iris scanning)
- Emotion recognition AI
- Smart home devices with always-on microphones (e.g., Alexa, Google Home)
- Digital ID systems

1. What is the technology?

Briefly describe what it does in your own words.

2. Where is this technology being used in the real world?

Include one or more real-life examples.

3. What ethical concerns or privacy issues come with this technology?

List at least one reason why people might be worried about its use.

4. What is one possible benefit of this technology?

How could it be used in a helpful way?

5. What is one thing society should consider before using it more widely?

Think about fairness, accuracy, or consequences.

6. In one sentence, summarize your key takeaway or personal opinion:
