M319: AP Computer Science Principles Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Explore Performance Task

Practice (2A) Template Date: \_\_\_\_\_\_ Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Explore PT — Impact of Computing Innovations  
Written Response Template

## 2. Written Responses

Submit one PDF document in which you respond directly to each prompt. Complete your responses to 2a and 2e. Your responses must provide evidence of the extensive knowledge you have developed about your chosen computing innovation and its impact(s). Write your responses so they would be understandable to someone who is not familiar with the computing innovation. Include citations, as applicable, within your written responses. Your responses will eventually be combined with further research and writing to create a 700 word research paper.

### Computing Innovation

2a.Provide information on your computing innovation.

* Name the computing innovation that you have selected.
* Describe what qualifies your selection as a computing innovation.
* Describe the computing innovation’s intended purpose.
* Describe the computing innovation’s intended function.

*(No more than 100 words)*

Facial Recognition is a computing innovation, which takes in, transforms it. It first takes in a picture of a persons face. It then makes the image 3d via infrared mapping of 3d features[1]. It finally compares the image with databases of people who the recognition software approves [2]. Overall, it takes in a picture, makes it 3d, and compares it to databases. This is used mostly to guard confidential secrets, from governmental information to someone’s phone. It also can be used to find missing people by comparing faces found on the road with ones from the missing people database.

### References

2e.Provide a list of at least one online or print source used to support your response to the prompt in this performance task.

* Try to find sources that have been created after the end of the previous academic year (May 2017).
* For each online source, include the permanent URL. Identify the author, title, source, the date you retrieved the source, and, if possible, the date the reference was written or posted using MLA8 guidelines. You may use [www.easybib.com](http://www.easybib.com)
* For each print source, include the author, title of excerpt/article and magazine or book, page number(s), publisher, and date of publication.
* Include citations for the sources you used, and number each source accordingly.
* Each source must be relevant, credible, and easily accessed.

*(Note: No word count limit for this answer)*

Insert response for 2e in the text box below.

[1] HEINZMAN, ANDREW. “How Does Facial Recognition Work?” *Howtogeek.com*, How to Geek, 11 July 2019, howtogeek.com/427897/how-does-facial-recognition-work/

[2] Symanovich, Steve. “How Does Facial Recognition Work?” *Official Site*, Norton, us.norton.com/internetsecurity-iot-how-facial-recognition-software-works.html.