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

Explore Performance Task

Practice (2B) 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 2b 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

2b.Describe your development process, explicitly identifying the computing tools and techniques you used to create your artifact. Your description must be detailed enough so that a person unfamiliar with those tools and techniques will understand your process.

* Prior to writing your response, check that your computational artifact satisfies the following criteria:
  + The computational artifact clearly identifies the computing innovation
  + The computational artifact provides an illustration, representation, or explanation of the computing innovation’s intended purpose, function, or effect.
  + The computational artifact is primarily non-textual

Insert response for 2b in the text box below. *(No more than 100 words)*

To create my computational artifact, I used the online tool, canva.com. I first logged into Canva and selected to create an infographic using the 1980’s template. To visually show how facial recognition works, I searched google for each step of the process and looked for picture of it. To start the infographic, I added the pictures as the background for each step of the recognition process. Due to prior research, I was able to type the information and cite it. I finally worked on the fonts and colors of the words to make them visible and stand out.

### References

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

* At least two sources must have been created after the end of the previous academic year (May 2018).
* 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, list the sources in alphabetical order, 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.

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| [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.  [3] <https://landofoz.ro/2019/05/13/cine-e-de-vina/>, 1/16/2020, a 3d picture of a man wearing 3d glasses.  [4] <http://mirlab.org/jang/books/dcpr/example/faceRecog/output/faceDisplay02.png>, 1/16/2020, a picture of faces in database  [5] <https://www.onlyinfotech.com/2019/07/01/whats-face-id-on-ios-and-how-do-i-use-it/>, 1/16/2020, infrared being shown on someone’s face  [6] <https://www.pinterest.com/edgefx/solar-power-and-sensor-based/>, 1/16/2020, infrared sensors sensing bounced – back infrared  [7] <https://stock.adobe.com/ee/video/access-granted-system-message-on-screen-authorization-satellite-control-center-program-interface-with-access-granted-message-system-login/183503820>, 1/16/2020, shows access granted to something |