M319: AP Computer Science Principles   Name: _____

Explore Performance Task

Practice (2D) Description   Date: _____ Teacher: _____

Assignment Total: 30 points

1. Continue with the computing innovation you previously selected on your previous research assignment:

    - Facial Recognition
    - Self-Driving Cars

2. Find at least two **<u>credible</u>** sources that can be used to support your written response to the following requirements:

    - In 250 words or less, use specific details to describe:
        - ✓ The data your innovation uses
        - ✓ How the innovation consumes (as input), produces (output), and/or transforms data
        - ✓ At least one storage concern, data privacy concern, or data security concern directly related to the computing innovation

3. Fill out one "Research Template" per source. The first two sections must be completely filled out, but the sections labeled "*Quote, Fact, or Statistic From Article*" can have as many/few entries as you deem necessary.

4. Fill out the document titled "Explore 2D" using the following guidelines:

    - Your response should be no more than 250 words (not including your in-line citations).
    - You must paraphrase information from at least three articles or websites featured in one of your "Research Templates." Use numbered in-line citations.
    - At least two sources must have been created after the end of the previous academic year (May 2018 - present).
    - Include an MLA-style Works Cited in section 2E for each source you paraphrased in section 2C. Each source must be numbered, must include a web-accessible URL, and a publication and/or access date.

5. Use the rubric on the next page to grade your own work. If you are unsatisfied with your grade, make corrections and resubmit.

6. Convert your "Research Templates" and "Explore 2D" to PDF files and upload them to the appropriate assignment in Schoology.

Explore Performance Task

Criteria	Points	Comments
1. The written response is no more than **250 words**.	_____/2 points	
2. The written response explicitly names the type of data the innovation uses (radio signals, images, Booleans, integers, timestamps, etc.).	_____/6 points	
3. The written response explains how the data is consumed, produced, **OR** transformed	_____/6 points	
4. The written response identifies one data storage, data privacy, **OR** data security concern related to the computing innovation	_____/6 points	
5. The written response paraphrases at least one source with properly-formatted **in-line citations**.	_____/3 points	
6. The written response was accompanied with fully-completed **"Research Templates"** for a credible, relevant, and easily accessible source.	_____/2 points	
7. Section 2E includes an **MLA 8 Works Cited** for each source cited. Each source is numbered, has a date, and includes a web-accessible URL.	_____/2 points	
8. **Overall quality** of project (quality of writing, grammar/spelling, etc.)	_____/3 points	
Total Points Earned	_____/30 points	