

**AP Computer Science Principles Summer Work**  
**Due first day of class**

Write a one page summary and analysis of three (3) different emerging technologies.

**Requirements:** (a) You may choose any three (3) emerging technologies and write a one (1) page summary and analysis for each. Requirements for the emerging technologies: (a) the technology chosen must be invented within the last two years, (b) the technology chosen must INPUT, TRANSFORM and OUTPUT data (meaning the technology acts or performs like a computer to do its job), and (c) the technology must have a positive and negative impact on society and culture. (d) Use Google to find the appropriate resources. (e) Use MLA formatting. (f) Submit to Google Classroom

Examples:

- (a) License plate readers on street lights
- (b) Smart devices in the Home (e.g. thermostats, sprinkler systems, security systems, etc.)
- (c) Bio-devices worn on the body (e.g. pace-makers, heart-beat monitors, etc.)
- (d) Specialized drones for various industries (e.g. military, agriculture, NASA, real estate, etc.)
- (e) Smart weapons (e.g. military, police, private security, hunting, etc.)
- (f) Green devices that improve air, water, food, or anything else.
- (g) Medical / Surgical devices
- (h) Telecommunication devices (e.g. satellites, etc.)
- (i) Transportation devices or vehicles
- (j) Entertainment devices (e.g. virtual reality, AI, etc.)

Notes: The emerging technology list above is an example of options you can choose. However, you may find your own emerging technologies by searching the Internet for the areas that interest you. Please note the technology requirements listed above. Email Mr. Affie if you have any questions.