

# Computer Science is *EVERYWHERE!*

---

## *AP Computer Science Summer Assignment: General Computer Knowledge and Ethics Research*

---

### **Objectives:**

- The student will research three different articles relating to computer science, and examine the societal, economical, and ethical implications of the topic.
- The student will summarize each article.
- The student will react to the article.
- The student will present their article to the class.

### **Articles and Summaries:**

- A student may choose any article relating to Computer Science, or Computer Technology in the mainstream. Students should seek articles that contain controversial topics, such as the storage of user data by corporations, illegal media downloading, social network websites, etc.
- A summary should be ½ page single spaced, roughly 150-250 words must be written for each article.

### **Reaction**

- In addition to the summaries, students will *react* to the article. In this portion students will, again, write a ½ page single spaced consisting of 150-250 words. Students will give their opinion on the topic the article covers. If there are two or more sides to the argument, the student will choose one side and provide a logical argument. Be sure to cite evidence from the article in your argument

### **Presentation**

- The students will present their articles and topics to their classmates. For the brief presentation, the students will choose (1) **topic** that was researched, and create a visual display. The visual display can be any of the following:
  - Poster
  - Diorama
  - Tri-Fold
  - PowerPoint
  - Prezi
  - Any other displays must be approved by Mr. Serota

*For questions relating to the summer assignment, or Computer Science Principles in general,  
contact Mr. Serota at [jserota@aacps.org](mailto:jserota@aacps.org)*

# Useful websites:

---

E-Week

[www.eweek.com](http://www.eweek.com)

Wall Street Journal Tech Section

<http://www.wsj.com/news/technology>

CNET News

[www.cnet.com/news](http://www.cnet.com/news)

BBC Technology

<http://www.bbc.com/news/technology>

Super-Tech Weekly

<http://goo.gl/yZKn9w>

Time Magazine Tech Section

[time.com/tech/](http://time.com/tech/)

TechCrunch

[techcrunch.com](http://techcrunch.com)

GIZMODO

[www.gizmodo.com](http://www.gizmodo.com)

Wired Magazine

[www.wired.com](http://www.wired.com)

## RUBRIC FOR ARTICLE SUMMARY AND REACTIONS

### ARTICLE SUMMARY

Criteria	Mastery (5 pts)	Progressing (3 pts)	Needs Improvement (1 pt)
<b>Main Points</b>	All main points of the article are summarized accurately and thoroughly.	Some main points are summarized. Contains a few inaccuracies or omissions.	Most of the main points are not addressed. Contains many inaccuracies.
<b>Restatement of and Expansion of Ideas</b>	Summary contains few sentences pulled verbatim from the article and expansion is evident.	A few sentences are pulled verbatim from the article but there is little expansion.	There is little, if any, restatement of ideas.
<b>Organization</b>	Summary is organized in a logical way.	Summary shows some degree of organization.	Summary lacks any organization.

### REACTION

Criteria	Mastery (5 pts)	Progressing (3 pts)	Needs Improvement (1 pt)
<b>Statement of Opinions</b>	Opinions are stated clearly.	Opinion(s) are present but not clearly stated.	Opinion does not make sense or no opinion is given.
<b>Support of Opinions</b>	All opinions are supported with strong arguments.	Opinions are supported, but arguments are weak.	Opinions are stated but not supported.
<b>Degree of Reflection</b>	Responses demonstrate a high degree of reflection.	Some responses show a limited degree of reflection.	Responses show no reflection

### FORMAT AND QUALITY OF PAPER

Criteria	Mastery (5 pts)	Progressing (3 pts)	Needs Improvement (1 pt)
<b>Title, Author, and Journal</b>	Title, author, and source specifics are included.	Title and author are complete. Source is cited but specifics are not complete	One of the following is not included: title, author, or journal specifics.
<b>Spelling &amp; Grammar</b>	No spelling or grammatical errors	Two to four spelling or grammatical errors	More than four spelling or grammatical errors
<b>Grammar (sentence structure, punctuation)</b>	No grammatical errors	One or two grammatical errors	More than two grammatical errors
<b>Writing Style</b>	The writing style is crisp, fluent, and precise.	The writing style is somewhat clear and functional.	The writing style is sometimes awkward, vague, and/or choppy.
<b>Copy of Article</b>	Copy of the article is attached, if required	N/A	Copy of the article is not attached, if required