**Case Study Assignment on Purchasing a Computer**

Mrs. Hagedorn- Exploring Computer Science

**PROBLEM** - Based upon the computer needs of the person interviewed for HW, determine the best computer to purchase.Read: [Nine Things you Should Know about Buying a Computer](http://www.cheatsheet.com/technology/9-tips-for-picking-your-machine-computer-shopping-cheat-sheet.html/?a=viewall)

**Recommended Type of Computer:**  **Choose One:** Laptop - Desktop - Tablet - Cell Phone

**Computer Comparison Chart**

|  |  |  |  |
| --- | --- | --- | --- |
| **Computer Components** | **<Computer Make & Model 1>****<image>****Specifications** | **<Computer Make & Model 2>****<image>****Specifications** | **<Computer Make & Model 1>****<image>****Specifications** |
| Processor (CPU) |  |  |  |
| Operating System |  |  |  |
| Memory (RAM - temporary storage)  |  |  |  |
| Permanent Storage |  |  |  |
| Optical Drive |  |  |  |
| Monitor or Screen Size |  |  |  |
| Video Card |  |  |  |
| Sound Card |  |  |  |
| Battery Life |  |  |  |
| Ports |  |  |  |
| Other Accessories: |  |  |  |
| **Total Cost** | $ | $ | $ |

**Final Recommendation**

<State which computer your recommended and the approximate price>

**Explanation**

< Explain how you went about selecting the above three computers to compare and why you decided on your final recommendation.>

**Computer Hygiene**

<Discuss what should be done to keep the computer running well. Include maintenance steps the user can take to improve performance if the computer starts to run slow rather than throwing it out and buying a new one. *State the sources of your information*.>

**Upgrades and Safe Disposal of Electronics**

<Discuss the impact of our rapidly changing technology and constant upgrading. Also discuss how we should safely dispose of our electronics. *State the sources of your information*>

**Learning Reflections**

*<student 1>*

State the goal of the assignment.

Discuss in four sentences or more what you learned during this project, how it has impacted your view of computers and how you can apply it in your own life. Include challenges you encountered and how you overcame them. Were there any questions that you should have asked on your interview to help you with your decision?

*<student 2>*

State the goal of the assignment.

Discuss in four sentences or more what you learned during this project, how it has impacted your view of computers and how you can apply it in your own life. Include challenges you encountered and how you overcame them. Were there any questions that you should have asked on your interview to help you with your decision?

Share with Mrs. Hagedorn for credit

**Click here to see** [**GRADING RUBRIC**](https://docs.google.com/document/d/1k_cHMVHV3PEFVUVPMX0R3QUYyi_J4TnPVQHZswYdSXQ/pub)

**Parts of a Computer Resource**-

<http://www.carnegiecyberacademy.com/facultyPages/computer/computers.html>