**Instructional Days:** 3-4

**Topic Description:** Students complete a project related to choosing appropriate components for a personal computer.

**Objectives:**

The student will be able to:

* Describe the uses for computer hardware components.
* Choose hardware components for various types of users.

**Outline of the Lesson:**

* Research and development of computer buying project (85 minutes)
* Project presentations by student teams (25 minutes)

**Student Activities:**

* Student teams research and complete projects.
* Student teams present projects.

**Teaching/Learning Strategies:**

* Distribute project information and rubric.
* Have students work in the same teams as they did on the previous day.
* Explain project and rubric; answer questions; Have each team choose one of the interviews they did to use for the project.
* Project presentations by student teams
* Have each team discuss the scenario they used, display their comparison chart and explain which computer was chosen and why.

**Resources:**

* Computer Buying Project
* Computer Components Checklist
* Computer Buying Project Sample Rubric

**Computer Buying Project**

Choose one of the interviews of buying a new computer to use for this project. Your task is to give them at least 4 options and then give them advice on which one to buy. Your project will be presented to the class.

The final product can be a:

* PowerPoint
* Debate
* Skit
* Video
* Other approved product

Your final product should have:

* A title with group members’ names
* The questions and responses from the interview chosen
* Computer comparison chart
* Which computer is chosen
* Justification for choosing that computer, including completion of the Computer Components Checklist.
* You should be prepared to answer questions about your choices from other students.

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| --- | --- | --- |
|  | Dell Inspiron | MacBook |
| Laptop or Desktop |  |  |
| Processor (CPU) |  |  |
| Operating System |  |  |
| Memory (RAM) |  |  |
| Hard Drive (storage) |  |  |
| Optical Drive |  |  |
| Monitor or Screen Size |  |  |
| Video Card |  |  |
| Sound Card |  |  |
| Other Accessories |  |  |
| Cost |  |  |

**Student Grouping:**

You will be in a group of up to 4 students.