

## Buying a Computer!

**WebQuest Description:** Students will learn the importance of computer parts and they will also learn why they are important and their roles in the computer.

**Grade Level:** 9-12

**Curriculum:** Technology

**Keywords:** computer

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### Introduction

Do you always have your face "glued" to a computer screen? Do you know what components actually make up a computer? Have you ever had any interest in building a computer? It's not as easy as everyone likes to think.

### Tasks

Your assignment is to research computer components and make a presentation (as if you were building the computer) on which parts you would buy and why. Don't forget include prices, functionality, and some specifics (such as speed of device or storage space).

### Process

Your presentation should be at least 30 minutes. It should include the essential parts (case, motherboard, power supply, hard drive, memory sticks, CD-ROM, and all the cables to hook them up). You are encouraged to include extra parts in your presentation such as an extra hard drive, multiple memory sticks, expansion cards, etc.

### Evaluation

| Category and Score           | 4   | 3  | 2  | 1   | Score |
|------------------------------|---|--|--|---|-------|
| Includes the essential parts | Includes all parts that are needed to make a computer work plus some extra parts.   | Includes all essential parts and nothing more.   | Includes most of essential parts but focuses too much on additions (expansion cards) | Includes some essential parts and no extra components.                            |       |
| Details about the parts      | The student goes into full detail about the parts such as what the functionality is, the prices of the parts, and why they picked that specific part. | Student goes into good detail, giving the functionality and why they picked the part.                            | Student goes into some detail, just giving prices and/or why they picked the part.   | Student gives little to no detail, just giving prices or why they chose the part. |       |
| Overall appearance           | The presentation caught the eye of students and kept their attention throughout the whole presentation.   | The presentation caught the eye of students but failed to keep their attention through some of the presentation. | The presentation was unappealing to many students.                                   | The presentation was dull and didn't catch the eye of any students.               |       |
|                              |   |  |  | Total Score   |       |

### Conclusion

How hard was it finding the parts you need? It's even harder building it all together, knowing how to position them for stability. You must remember when putting it together, the more parts are able to move, the more at risk they are of being damaged and if some

parts such as the hard drive or power supply are damaged, then your whole computer will not work.

## Teacher Page

This webquest is great for students thinking about going into the field of information technology. It teaches students about different components in a computer and where they go and what they do. Having students do this presentation will extend their knowledge on computer parts and what they do and how they work. It will also help students decide if information technology is the right field of work from them.

### **Standards**

### **Credits**

### **Other**