**Name:** _____          **Due Date:**_____

## Purchasing a PC for Dummies

**Goal:** Explain the specifications of computer components to the computer user by creating a buyer's guide for them.

**Success Criteria:**  ➔ Clearly explain each of the chapters listed.
                        ➔  Use terminology that is easy for the average user to understand

       Purchasing a new personal computer can be very challenging and intimidating to some people.  To make it easier for those unfamiliar with the technological terminology to buy a personal computer you will create a buyers guide for them.  You will need to create sections/chapters for each of the following:

1.      CPU – will include clock speed, cache and front side bus information.  Also talk about the different manufacturers (Intel and AMD) and single-core and multi-core processors.

2.      Memory – will include RAM and hard drives.  Discuss what gigabytes are and external memory options.

3.      Peripherals – will include mouse, keyboard, printer, webcam and any other external components that can be attached to the computer.  Be sure to include the different options for each peripheral.

4.      Desktop or Laptop – talk about the differences between desktops, laptops, netbooks and tablets.  Monitor options should be included in this section/chapter.

5.      Malware – describe what malware is and the four major types.  Develop a plan that should be followed to protect the computer from malware, including both software considerations and user behaviour.

In each chapter you will need to explain each term so that anybody can understand what the terms are and the function of each component.  Once this has been explained, describe what would be required in a computer for the average family going into details on speed, quantity, size and quality of each item and then describe changes that need to be made depending on the use (gaming, word processing, e-mail, etc.).  Make recommendations on where the buyer would get the 'biggest bang for your buck', where the extra money should be spent and why they might want to have that 'extra' item.

You may choose the format used to present the information to the audience.  Some options are listed below but are not limited to them;

- Brochure
- Web Site
- Slide show presentation

- Report
- Video
- Oral Presentation

  **Be sure to include a bibliography or appropriate method to credit your sources.

# Evaluation

|  | Level 4 | Level 3 | Level 2 | Level 1 |
|---|---|---|---|---|
| Description of Components (K) | All of the terms are defined properly and explanations are correct | Most of the terms are defined properly and explanations are correct | Some of the terms are defined properly and explanations are correct | Few of the terms are defined properly and explanations are correct |
| User Requirements (A) | All of the hardware requirements listed are appropriate for the range of users. | Most of the hardware requirements listed are appropriate for the range of users. | Some of the hardware requirements listed are appropriate for the range of users. | Few of the hardware requirements listed are appropriate for the range of users. |
| Terminology (C) | Always uses appropriate terminology to describe the parts of the computer. | Usually uses appropriate terminology to describe the parts of the computer. | Sometimes uses appropriate terminology to describe the parts of the computer. | Rarely uses appropriate terminology to describe the parts of the computer. |
| Appropriate for Audience (C) | The format chosen and the language used is appropriate for the audience. | The format chosen is appropriate but the language is too technical in some areas for the audience. | The format chosen is appropriate but the language is too technical in several areas. | The format chosen is appropriate but the language is not appropriate for the audience. |
| Recommendations (T) | Able to complete research and make recommendations with minimal assistance. | Able to complete research and make recommendations with little assistance. | Able to complete research and make recommendations with some assistance. | Unable to complete research and make recommendations without assistance. |
| Malware Plan (T) | The plan is complete and allows for continual protection from malware. | The plan is complete and allows for proper protection from malware. | The plan is complete and allows for some protection from malware. | The plan is complete and allows for little protection from malware. |