

Slides have been removed from sample.

In this project, students work for a company that sells computers. The business has launched an initiative that will have consumers choose components for their computer. It is called "Your Computer, Your Way!" To help the customer pick hardware components to suit their needs, students create an information package.

TechnoSpecialist Computers Information Package



Comparison of Storage Capacity

Storage Device	Storage Capacity
CD	650 MB
DVD	4 GB
Flash Drive	256 GB
Hard Drive	1 TB

Students learn about the importance of data storage. They compare the storage capacity of devices and create a comparison table.

Memory Chips

ROM

ROM stands for read-only memory.

ROM is long term memory.

A computer needs ROM because it permanently stores important information about basic computer functions.

A computer comes with ROM and typically a person does not choose the type of ROM that comes with the machine, as this is selected by the manufacturer.

RAM

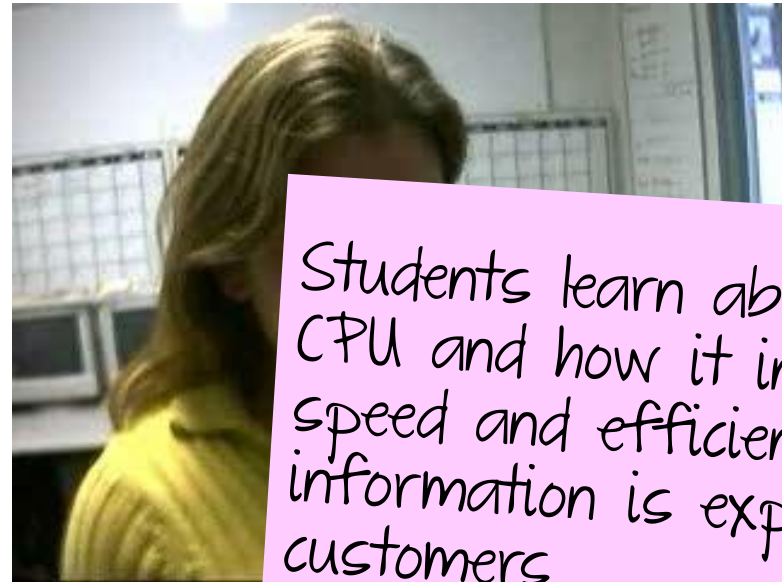
RAM stands random access memory.

RAM is short term memory.

Students learn how memory effects performance. They summarize the facts about RAM and ROM using a graphic organizer.

CPU

- CPU stands for *Central Processing Unit*.
- The CPU is like the brains of the computer.
 - It executes instructions, performs calculations, and makes logical decisions.
- A CPU with a fast processing speed will enhance computer performance.



Students learn about the CPU and how it influences speed and efficiency. This information is explained to customers.

Sound Card

- The sound card is a circuit board or chipset on the motherboard that is in charge of recording and playing sound.
- The sound card is called a DAC or *digital to analog converter* because this device transfers analog signals (sound waves) into digital signals in the form of binary code.
- Most people only need a basic sound card; and musicians may require a multiple channel sound card.

Record a sound clip!



Students learn about the monitor, graphics card, and sound card. Slides are created for each component.