

Explain and give examples of the concepts of *computer* and *computing*.

Describe the uses for computer hardware components:

- Processor
- Operating System
- Memory
 - RAM
 - Hard Drive
- Optical Drive
- Monitor
- Video Card
- Sound Card
- Speakers
- Keyboard
- Mouse
- Modem
- Router

What are the differences between ranking based and social bookmarking search engines?

What is the use of a word cloud site?

What are the advantages of using a list creation site?

Define:

- Web 2.0
- Social Bookmarking Search Engine
- Ranking Based Search Engine
- Word Cloud Site
- List Creation Site

Explain how computers are used for communications.

Recognize various forms of communications as data exchange.

Describe the implications of data exchange on social interactions.

Consider privacy of data that you create.

Edit an image.

Explain how computers can be used as tools for visualizing data, modeling and design, and art.

Explain the concept of a computer program through a series of directions, like making a peanut butter and jelly sandwich or standing up and shouting “hooray”.

Explain the idea of intelligence as it relates to computers.

Explain what it means for a machine to “learn”.

Discuss whether computers are intelligent or whether they only behave intelligently.