**Cutting Edge Technology**

1. Search Engine: Program that searches the Internet (other websites) for information according to Keywords that the user types in. Provides the user with a list of website Links of webpages that contain information about the Keywords typed into the search Criteria.
2. SpaceTime: is a 3-D search engine.
3. Common Search Engines: (Verify student answers by performing a web search)
4. Using Advanced Search: options available are Exact wording and Unwanted words.
5. Advanced Search: Words such as OR, AND, NOT
   1. are called BOOLEAN terms.
   2. Using those words in an Internet Search to limit the search parameters is called a BOOLEAN search.
6. URL stands for Uniform Resource Locator.
7. Parts of the URL:

a. http ://www. gibborish.org

1. E-mail: Stands for Electronic Mail. It is a way to send a Letter or memo instantly through the Internet rather than through the US Postal Service.
2. Free email providers: (Verify student answers by performing a web search)
3. E-message boards: Stands for Electronic Message Board. Is similar to a Bulletin board. Can post Text notices for others to see/read. Usually has a Main topic for discussion. Others post comments to the main topic and to the other comments that follow. The comments and replies are called a discussion Thread.
4. Online Chat: Area of Internet where you can Text message Instantly. Chat Rooms can have several people at the same time. Several conversations at once can be distracting and difficult to follow.
5. Cutting Edge Technology: 2003-2013
   1. 2003: Tissue Replacement – re-growing damaged bone joints in the body using injectable tissue engineering rather than using surgery and a metal replacement joint.
   2. 2006: Trojan Particles – Injectable clear fluid containing tiny particles that travel through the body to locate cancer cells. They trick the cancer cells into “eating” the particles as food, and then kill them.
   3. 2008: NanoRadio – 1.5 inches x .3 inches.
   4. 2010: Interactive Tablet – A popular American multinational computer corporation released its first version of this now popular interactive device.
   5. 2012: 3-D Printers – Manufactures 3-D models of various objects.
   6. 2013: Computer Glasses – A wearable computer with a head-mounted display.