

Introduction to Technology

Technology refers to how people change the world around them to meet their needs or to solve practical problems. It is using knowledge, tools, and systems to make our lives easier and better and it is all around us. Technology and science are interdependent. As one improves, so does the other. Technology changes when we find new problems to solve and our knowledge about something increases. Obsolete technologies don't meet people's needs as well as something newer. Current technologies are those technologies that we use everyday. Emerging technologies are either brand new to the market, or not widely used yet, and are often very expensive when they first come out. Oftentimes people will use older technologies along with newer technologies because it suits their needs just as well, or because the newer technology is not practical. This is called a coexisting technology. Many technologies are systems because they are made up of parts that work together. The Universal Systems Model includes the following elements: Goal- your purpose or what you want to achieve, Input- what goes into the system to get it to work, Processes- the sequence of events that the system undergoes, Output- what comes out of the system or the end result, and Feedback- information the system uses to monitor itself to reach its goal. A car, an oven, and a pen are all technological systems.



True or False

If the answer is true, write "true" on the line. If the answer is false, replace the underlined word or phrase with one that will make the sentence correct. Write the new word(s) on the line.

1. _____ The goal of technology is to improve the way people live.
2. _____ Technology very rarely changes because there are many new problems to solve.