Unit 1 - Key elements of the various technological system

Content Area: **Technology**
Course(s): **Computers 6**
Time Period: **September**
Length: **4 weeks**
Status: **Published**

Transfer

Enduring Understandings

Effective use of technology enables us to live, learn and work.

Technology's progression is driven by a number of factors, including individual creativity, product and systems innovation, and human wants and needs.

Essential Questions

What is technology?

What is the impact of technology on society

How do technological systems work, the components of those system, and how they fit into the larger technological, economic and social systems?

Content

Vocabulary

Vocabulary:

Binary Logic
(binary processing)

Bit

Byte

Cell

Hard Drive

Hypertext Link

Kilobyte

Local Area Network (LAN)

Monitor

Multimedia Universal

Learning Objectives

Formulate a responsible, legal, safe and ethical use of information resources and technology.

Develop a sound understanding of technology concepts, systems and operations and use computers and other technologies for productivity, problem-solving, and learning across all content areas.

Articulate appropriate academic vocabulary for computers and associated materials.

Resources

Standards

TECH.8.1.8.D.1	Understand and model appropriate online behaviors related to cyber safety, cyber bullying, cyber security, and cyber ethics including appropriate use of social media.
TECH.8.1.8.D.2	Demonstrate the application of appropriate citations to digital content.
TECH.8.1.8.D.3	Demonstrate an understanding of fair use and Creative Commons to intellectual property.
TECH.8.1.8.E.1	Effectively use a variety of search tools and filters in professional public databases to find information to solve a real world problem.
TECH.8.1.8.F.1	Explore a local issue, by using digital tools to collect and analyze data to identify a solution and make an informed decision.