Unit 3 - A computer is an adaptable tool for organizing information

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

Transfer

A computer is an adaptable tool for organizing information and solving problems that facilitates lifelong learning

Enduring Understandings

Technology is constantly changing and requires continuous learning of new skills.

Technology use can have a positive or negative impact on both users and those affected by their use.

Selection of technology should be based on personal and/or career needs assessment.

Essential Questions

In a world of constant technological change, what skills should we learn?

What are my responsibilities for using technology? What constitutes misuse and how can it best be prevented?

How do I choose which technological tools to use and when is it appropriate to use them?

Content

Vocabulary

PNG

GIF

JPEG

Blog

Web Camera

ISP

HTML

HTTP

URL

bit

domain name

byte

MP3

BPS

Learning Objectives

Appraise and apply ethical and legal use of resources and understand the consequence of misuse.

Use computer applications to gather information.

Compare and contrast applications, critique their functional differences and discriminate the appropriateness of their use.

Resources

Standards

TECH.8.1.8	Educational Technology: All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaborate and to create and communicate knowledge.
TECH.8.1.8.A	Technology Operations and Concepts: Students demonstrate a sound understanding of technology concepts, systems and operations.
TECH.8.1.8.A.2	Create a document (e.g. newsletter, reports, personalized learning plan, business letters or flyers) using one or more digital applications to be critiqued by professionals for usability.
TECH.8.1.8.A.3	Use and/or develop a simulation that provides an environment to solve a real world problem or theory.
TECH.8.1.8.A.4	Graph and calculate data within a spreadsheet and present a summary of the results
TECH.8.1.8.A.5	Create a database query, sort and create a report and describe the process, and explain the report results.
TECH.8.1.8.B.1	Synthesize and publish information about a local or global issue or event (ex. telecollaborative project, blog, school web).