Unit 4 - Technological literacy skills

Content Area: **Technology**
Course(s): **Computers 6**
Time Period: **December**
Length: **5 Weeks**
Status: **Published**

Transfer

Technological literacy skills enable learners to adapt to a rapidly changing, man-made world by using problem solving to generate solutions from the conceptual stage to the final product.

Enduring Understandings

Technology evolves at an ever accelerating pace based on the needs/wants of society and is influenced by cultural, political and environmental values and constraints .

Technological outcomes have the potential for anticipated and unanticipated positive and negative results.

Essential Questions

Can we control the paces at which technology is created?

How does technology extend human capabilities?

What are the positive and negative consequences of technology?

Content

Vocabulary

browser

email

IMing

WWW

programmer

Java

Application Server

binary

cookie

Learning Objectives

Develop a consciousness of what drives technology and its' development

Develop an appreciation of cultural inequities in the distribution and use of technology

Understand and critique how cultural differences can drive different solutions to real world problems

Resources

Standards

TECH.8.2.8	Technology Education, Engineering, Design, and Computational Thinking - Programming: All students will develop an understanding of the nature and impact of technology, engineering, technological design, computational thinking and the designed world as they relate to the individual, global society, and the environment.
TECH.8.2.8.A	The Nature of Technology: Creativity and Innovation: Technology systems impact every aspect of the world in which we live.
TECH.8.2.8.B.1	Evaluate the history and impact of sustainability on the development of a designed product or system over time and present results to peers.
TECH.8.2.8.B.2	Identify the desired and undesired consequences from the use of a product or system.

TECH.8.2.8.B.3	Research and analyze the ethical issues of a product or system on the environment and report findings for review by peers and /or experts.