Unit 4: Internet/Research

Content Area: **Technology**
Course(s):
Time Period: **January**
Length: **6-8 weeks**
Status: **Published**

Enduring Understandings

Technology is constantly changing therefore requires the continuous learning of new skills.

The digital world offers a variety of information and it is our job to differentiate the real and cyber communities.

Technology use can have positive or negative impacts on both user and those affected by their use.

The internet contains both accurate and inaccurate information. People need to make informed evaluation of the information presented.

Aspects of technology influence daily life and the importance of using tools and resources safely.

Information is spread world wide within seconds due to technological advancements and has an immediate impact.

Essential Questions

What are the similarities and differences between real and cyber communities?

How can we stay safe online?

What is the importance of having proper netiquette when online?

Why is the evaluation and appropriate use of accurate information more important than ever in the technological age?

How has the technological product (e.g. computer) changed over time?

How can I can locate, organize, and analyze the information I have found on the internet to use in other digital tools to present information?

Content

Creativity and Innovation

Knowledge of “Anti-Bullying Bill of Rights”

Cyber Bullying is bullying that takes place on-line

Strategies exist for responsibility dealing with cyber bullying.

Skills

Identification of appropriate and inappropriate online behavior.

Draw comparisons between real and cyber communities.

Provide examples of PRIVATE information that should never be shared online. Emphasize to students that nothing should be shared that could specifically identify them.

Brainstorm a list of rules of being safe online and review Schools Acceptable Use Policy (AUP) and potential consequences for misuse.

Vocabulary:

- Netiquette
- Screen name
- Username
- Password
- Security
- Virus
- Cyberspace

Locate and synthesize information from an online resource and transfer notes to another digital tool (i.e. Word, Publisher, and PowerPoint).

Access teacher approved websites to gather data and research.

Critique how the internet and other technological products have advanced/enhanced our lives over time.

Vocabulary:

- Browser
- Address bar
- Home page
- Scroll bar/boxes
- Search box
- Hyperlink
- Back, forward

Resources

www.safekids.com/quiz

http://www.brainpop.com/socialstudies/culture/digitaletiquette/

Potential Works of Study:

"All About Me" Power Point with heritage research

Standards

CRP.K-12.CRP1	Act as a responsible and contributing citizen and employee.
CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP7	Employ valid and reliable research strategies.
CRP.K-12.CRP11	Use technology to enhance productivity.
TECH.8.1.5	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.8.1.5.A	Technology Operations and Concepts: Students demonstrate a sound understanding of technology concepts, systems and operations.
TECH.8.1.5.A.1	Select and use the appropriate digital tools and resources to accomplish a variety of tasks including solving problems.
TECH.8.1.5.D	Digital Citizenship: Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.
TECH.8.1.5.D.3	Demonstrate an understanding of the need to practice cyber safety, cyber security, and cyber ethics when using technologies and social media.
TECH.8.1.5.D.4	Understand digital citizenship and demonstrate an understanding of the personal consequences of inappropriate use of technology and social media.
TECH.8.2.5	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.8.2.5.A	The Nature of Technology: Creativity and Innovation: Technology systems impact every aspect of the world in which we live.
TECH.8.2.5.A.4	Compare and contrast how technologies have changed over time due to human needs and economic, political and/or cultural influences.
TECH.8.2.5.B	Technology and Society: Knowledge and understanding of human, cultural and society values are fundamental when designing technology systems and products in the global society.
TECH.8.2.5.B. 6	Compare and discuss how technologies have influenced history in the past century.
TECH.8.2.5.B.4	Research technologies that have changed due to society’s changing needs and wants.