1 Tech, Unit #1, Review of Basic Computer Skills

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

Enduring Understanding

To maximize efficiency and productive when working with technology it is important to use technology properly.

Essential Questions

- **How do we utilize the computer effectively for school?**
- **Why do we need to use the mouse and keyboard effectively?**

Standards

TECH.8.1.2.A.CS2	Select and use applications effectively and productively.
TECH.8.1.2.A.4	Demonstrate developmentally appropriate navigation skills in virtual environments (i.e. games, museums).
TECH.8.1.2.D.CS1	Advocate and practice safe, legal, and responsible use of information and technology.
TECH.8.1.2.A.3	Compare the common uses of at least two different digital applications and identify the advantages and disadvantages of using each.
TECH.8.1.2.A.1	Identify the basic features of a digital device and explain its purpose.

Student Learning Objectives

Students will:

- Log in

- Open and closing programs

- Use the mouse and keyboard effectively

- Identify the parts of a computer

Instructional Activities

Use of various websites and/or apps.

Practice pointing/clicking/double-clicking/dragging.

Opening and moving windows.

Logging on/off.

Shutting down the computer.

Interdisciplinary Connections

Use of websites for practice with a science or social studies focus.

Texts and Resources

Computers

Websites such as PBS Kids, ABCYa, Starfall, Spelling City

Paint programs

iPad apps

Assessment

- •**Observation**
- •**Participation**

1 Tech, Unit #2, Word Processing

Content Area: **Technology**
Course(s): **Technology**
Time Period: **October**
Length: **20 weeks**
Status: **Published**

Enduring Understanding

Word processing software can be used to complete assignments and communicate ideas.

Essential Questions

- •**How can a word processing program make my work easier?**
- •**How can I use text formatting to improve the "look" of my work?**
- •**What is the purpose and some uses of a word processing program?**

Standards

TECH.8.1.2.C.CS2	**Communicate information and ideas to multiple audiences using a variety of media and formats.**
TECH.8.1.2.A.2	**Create a document using a word processing application.**
TECH.8.1.2.B.CS2	**Create original works as a means of personal or group expression.**
TECH.8.1.2.B.1	**Illustrate and communicate original ideas and stories using multiple digital tools and resources.**

Student Learning Objectives

Students will:

Type sentences and short paragraphs in a Word Processor.

Use the delete key to correct mistakes.

Use punctuation and capitalization.

Insert a picture into a word processing document.

Save and print a document.

Change font, size, and color of text.

Type answers to specific questions/prompts.

Give credit to where information is found when using resources.

Instructional Activities

Type name, address, and phone number.

Type responses to questions on the computer.

Type short stories in response to a writing prompt.

Create a "How to" story.

Create a holiday card.

Non-fiction writing.

Interdisciplinary Connections

Language Arts - typing short stories, books, or cards

Science - "How to..."

Social Studies - simple research projects

Texts and Resources

Computers

Word processing software

Printer

Assessment

- Observation of technique.
- Printouts of completed work.

1 Tech, Unit #3, Communication/Collaboration

Content Area: **Technology**
Course(s): **Technology**
Time Period: **March**
Length: **16 weeks**
Status: **Published**

Enduring Understanding

Sharing information with others outside the classroom can help to understand similarities and differences.

Essential Questions

- How do I stay safe while collaborating with others?
- How does learning about others help me to learn about myself?
- Why do I need to learn to work with people outside the classroom?

Standards

TECH.8.1.2.C.1	Engage in a variety of developmentally appropriate learning activities with students in other classes, schools, or countries using various media formats such as online collaborative tools, and social media.
TECH.8.1.2.C.CS2	Communicate information and ideas to multiple audiences using a variety of media and formats.
TECH.8.1.2.C	Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.
TECH.8.1.2.C.CS3	Develop cultural understanding and global awareness by engaging with learners of other cultures.
TECH.8.2.2.B.1	Identify how technology impacts or improves life
TECH.8.1.2.A.1	Identify the basic features of a digital device and explain its purpose.
TECH.8.1.2.E.1	Use digital tools and online resources to explore a problem or issue.
TECH.8.1.2.B.CS2	Create original works as a means of personal or group expression.
TECH.8.1.2.C.CS1	Interact, collaborate, and publish with peers, experts, or others by employing a variety of digital environments and media.
TECH.8.1.2.B.1	Illustrate and communicate original ideas and stories using multiple digital tools and resources.

Student Learning Objectives

Students will:

Access and share information with others through the computer.

Explore/research a topic using the computer.

Collaborate with other classes using the computer.

Instructional Activities

Tooth Tally Project

Research projects

Pen pals

Interdisciplinary Connections

Health- Dental health research

Math - Entering numbers on a spreadsheet, Adding

Art - Draw a picture

Texts and Resources

Tooth Tally project website

Assessment

Excel chart

Printout of project

Collaboration rubric

1 Tech, Unit #4, Recycling

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

Enduring Understanding

Responsible disposal and recycling of technological products impacts our environment in a positive manner.

Essential Questions

How do we dispose of technological products without impacting our environment negatively?

Core Curriculum Content Standards

TECH.8.2.2.B.3	Identify products or systems that are designed to meet human needs.
TECH.8.2.2.B.CS4	The influence of technology on history.
TECH.8.2.2.B.CS2	The effects of technology on the environment.
TECH.8.2.2.B.CS3	The role of society in the development and use of technology
TECH.8.2.2.B.CS1	The cultural, social, economic and political effects of technology.
TECH.8.2.2.B.1	Identify how technology impacts or improves life
TECH.8.2.2.B.4	Identify how the ways people live and work has changed because of technology.
TECH.8.2.2.B.2	Demonstrate how reusing a product affects the local and global environment.

Student Learning Objectives

Explain how disposal of technological products impacts our environment.

Describe the role society plays in the disposal of technological products.

Identify how people's lives and careers have changed due to disposal of technological products.

Describe how proper recycling affects the environment.

Instructional Activities

Interview staff members to find out how resources at work are recycled.

Report findings to class members.

Suggest possible alternative solutions.

Post in school newsletter.

Interdisciplinary Connections

LA: Interviews, reporting

Texts and Resources

Paper, pencil, clipboards, computer access

Assessment

Word document

Discussion