Unit 1: Introduction To First Grade Technology

Content Area: **Technology**
Course(s): **Technology**
Time Period: **Week 1**
Length: **4 weeks**
Status: **Published**

Unit Overview

This unit is an introduction to technology. The main focus will be navigating in a virtual enviroment as well as becoming comfortable with the technology components in the classroom.

Standards

TECH.8.1.2.A	Technology Operations and Concepts: Students demonstrate a sound understanding of technology concepts, systems and operations
TECH.8.1.2.A.2	Create a document using a word processing application.
TECH.8.1.2.A.4	Demonstrate developmentally appropriate navigation skills in virtual environments (i.e., games, museums).
TECH.8.1.2.A.CS1	Understand and use technology systems.

Essential Questions

- In a world of constant change, what skills should we learn?
- How do I choose which technological tools to use and when it is appropriate to use them?
- How can I transfer what I know to new technological situations/experiecnces?
- How can I use a internet browser to navigate in a virtual enviroment?

Application of Knowledge: Students will know that...

- Classroom rules: Students will know and follow classroom rules to maximize classroom time for learning.
- Engineers have an impact on the world they live in and their daily lives.
- Tecnhology is constantly changing and requires continuous learning of new skills

Application of Skills: Students will be able to...

- Demonstrate ability to navigate a browser
- Work to gain proficiency and speed using a word processor to write and illustrate with sentences, shapes, and clip art.

Assessments

The teacher will informally assess students throughout the unit by observing their natural usage of the following skills:

- Demonstrate ability to navigate a browser
- Illustrate with sentences, shapes, and clip art

Suggested Activities

- Engineer of the Week: Each week, a new engineer will be briefly introduced to the class, highlighting their impact on their current world.
- Demo Browser Usage - Demo how to open, minimize, maximize and close the browser. Demonstrate how to use the browser's back and forward buttons.
- Introduce and Demo Dance Mat Typing - Discuss two handed typing technique.
- Introduce and demonstrate how to use stage one, level one *ASDF,JKL; and G, H.*
- Assign Typing Practice - Assign 20-25 minutes or until done with stage one, level one
- Create a document using Google Docs. Students will write one sentence per class and add clip art.

Activities to Differentiate Instruction

- Behavior modification reward system to encourage time on task so that work is completed
- Partner with a capable learner. Closely monitor partner work
- Periodically, review the student's maintenance of their folders and incomplete work
- Provide individualized check lists of the directions for a task in support of the thorough execution of directions.
- Proximal seating for all large group work

Enrichment Opportunity:

- Students will be given advanced directions on how to edit their document. Items will include changing the font size, font color and bolding their text
- Students will be asked to write 3-5 sentences per page

Integrated/Cross-Disciplinary Instruction

ELA: Spelling, grammar, punctuation

Resources

Various Typing Websites

- http://kidstyping.weebly.com/uploads/5/5/6/7/55674069/typing-stage-one.swf
- http://www.abcya.com/keyboarding_practice.htm
- http://www.abcya.com/typing_rocket_junior.htm
- http://www.tvokids.com/games/keyboardclimber2