ZLOG

Content Area: **Unified Arts**
Course(s): **STEM 4**
Time Period: **September**
Length: **10 Days**
Status: **Published**

Unit Summary

In this unit of study, students will take information they have learned about hardware, software, digital netiquette, online safety, and digital citizenship and apply it to the creation of a guide book.

Standards

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.A.2	Format a document using a word processing application to enhance text and include graphics, symbols and/or pictures.
TECH.8.1.5.A.CS1	Understand and use technology systems
TECH.8.1.5.A.CS2	Select and use applications effectively and productively.
TECH.8.1.5.B.CS1	Apply existing knowledge to generate new ideas, products, or processes.
TECH.8.1.5.B.CS2	Create original works as a means of personal or group expression.
TECH.8.1.5.C.CS1	Interact, collaborate, and publish with peers, experts, or others by employing a variety of digital environments and media
TECH.8.1.5.C.CS2	Communicate information and ideas to multiple audiences using a variety of media and formats.
TECH.8.1.5.D.1	Understand the need for and use of copyrights.
TECH.8.1.5.D.2	Analyze the resource citations in online materials for proper use.
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.8.1.5.D.CS1	Advocate and practice safe, legal, and responsible use of information and technology.
TECH.8.1.5.D.CS2	Demonstrate personal responsibility for lifelong learning
TECH.8.1.5.D.CS3	Exhibit leadership for digital citizenship.
TECH.8.1.5.F.CS2	Plan and manage activities to develop a solution or complete a project.

Student Learning Objectives

Students will learn to:

- create a digital computer guide for ZLOG, an Alien from planet chrome using Google Slides.
- identify, label, and explain the different parts of a computer.

- identify, label, and explain the different Google software applications.
- identify and explain the difference between an Internet Safety Rule and a Nettiquette Rule.
- identify the characteristics of a strong password and give an example of one.
- identify and explain the styles to using keywords and safe search engines when searching the Internet.
- give credit to sources they use by writing a citation.
- use Google slides to create their digital guides.

Essential Questions

In what ways is it important to be able to explain the steps to using a computer?

Enduring Understandings

Students will understand that:

- safety and respectful norms are important when they are online.
- cyberbullying can be identified and reported.
- strong passwords have certain characteristics.
- using keywords and searching strategies will help them find the information they need on line.
- plagiarism has consequences for them.
- it is necessary to give credit to sources used.

Application

Students will be able to independently use their learning to:

- identify strong/weak password.
- write a strong password.
- identify and write safety rules and nettiquette rules
- search the internet for the answer to a given question using keyword search strategies
- report the Who, What, When, Where of a cyberbullying incident
- write a citation for sources uses within projects

Skills

Students will be skilled at:

- labeling and explaining computer parts.
- labeling and explaining Google Software.
- writing Nettiquette Rules and Safety Rules.
- identifying the characterisitcs of a strong password.

- writing a strong password.
- identifing the strategies for using keywords on the internet.
- writing a citation.
- understanding and explain plagirism.
- creating a google slide presentation.
- adding transitions.
- adding animations.
- changing font colors.
- changing font styles.
- using shapes.
- creating text boxes.
- creating hyperlinks.