Unit 9a: Creativity and Innovation

Content Area: **Unified Arts**
Course(s): **Computer Science 1, Computer Science 2, Computer Science K**
Time Period: **January**
Length: **5 Days**
Status: **Published**

Unit Summary

In this unit, students will demonstrate creative thinking, construct knowledge and develop innovative products and process using technology. In addition, students will be introduced to G Suite (Google Docs, Google Slides, and Google Sheets). Furthermore, students will explore a variety of tools and effects which will be used to design and complete projects, such as posters, illustrations, and graphic organizers. Basic program features will be included in a variety of cross-curricular assignments.

Student Learning Objectives

Students will learn to...

- use graphic organizers to summarize information, communicate relationships, and display ideas.
- design posters and projects using a variety of tools and effects.
- incorporate the use of backgrounds, fill colors, and font styles.
- understand the role of spreadsheets in creating tables, charts, analyzing data, drawing conclusions, and sharing information.

Essential Questions

- How can I use technology tools to express my ideas?
- In what ways can technology skills help me in everyday life?
- How can technology help people collaborate and communicate effectively?
- How do my Google Docs skills enhance my desktop publishing projects?
- How can graphic organizers make information easier to read?
- How can I use Google Slides to present information?
- How can I use spreadsheets to collect data and display results?

Enduring Understandings

Students will understand that...

- using graphic organizers is a way to summarize information, communicate relationships, and display ideas.
- designing posters and projects using technology tools can express my ideas and vision.
- practicing using Google Slides is a means of sharing information.

Application

Students will be able to independently use their learning to...

- design posters using a variety of tools.
- understand the role of spreadsheets in analyzing data.
- customize projects used in the sharing of information.

Skills

Students will be skilled at...

- creating a vareity of publications using G Suite programs.
- modifying and customizing projects for the purpose of sharing ideas and information.
- using tools for teaching, tools for learning, and tools for collaborating.

Resources