

# Unit 4a: Technology Operations and Concepts

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

## Unit Summary

---

In this unit, students will demonstrate a sound understanding of technology concepts, systems, and operations.

## Student Learning Objectives

---

Students will learn to...

- compare the common uses of at least two different computer applications.
- identify the advantages and disadvantages of each of the digital applications.
- demonstrate developmentally appropriate navigation skills in virtual environments.
- identify the structure and components of a database with multiple fields/columns.
- enter information into a database or spreadsheet and filter and sort the information.

## Essential Questions

---

- What are digital tools?
- Why are digital tools used by people?
- What can one do with digital tools?

## Enduring Understandings

---

Students will understand that...

- digital tools/technologies may have multiple purposes used in creating, communicating, problem solving, and entertaining, among others.
- manipulating, navigating, and effectively using digital tools/technology is a developed proficiency that requires practice.
- technology is used both personally and professionally to research, analyze, communicate, create, and store information.

## Application

---

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

- operate available hardware and digital applications using basic commands.
- explain that icons are symbols that stand for commands, files, folders, or applications.

- identify, locate, and effectively use all of the keys that can be found on the keyboard.

## **Skills**

---

Students will be skilled at...

- performing basic commands needed to operate available hardware and applications.
- explaining that icons are symbols that stand for a command, file, folder, or application.
- identify, locate, and use letters, numbers, punctuation keys, and special keys on the keyboard.

## **Resources**

---