

Unit 3

Content Area: **Technology**
Course(s): **Technology 1**
Time Period: **March**
Length: **10 days**
Status: **Published**

Unit 3 Overview

In this Unit/Trimester, students will continue to practice and develop their skills; this will include keyboarding practice, practice using a word processing program and basic skills using a Chromebook.

Students will also be introduced to using basic spreadsheet functions.

Unit 3 Essential Questions

- How do I input data into a computer to achieve the desired results?
- Why are the steps in a process important?

Unit 3 Priority Standards

CS.K-2.8.1.2.AP.3	Create programs with sequences and simple loops to accomplish tasks.
CS.K-2.8.1.2.AP.4	Break down a task into a sequence of steps.
CS.K-2.8.1.2.AP.5	Describe a program's sequence of events, goals, and expected outcomes.
CS.K-2.8.1.2.AP.6	Debug errors in an algorithm or program that includes sequences and simple loops.
CS.K-2.8.1.2.CS.1	Select and operate computing devices that perform a variety of tasks accurately and quickly based on user needs and preferences.
CS.K-2.AP	Algorithms & Programming

Unit 3 Learning Targets

- • I can create an algorithm to complete a task.
- • I can enter data into a computer program and understand the results.
- • I can correct an error in a list of steps for a task (algorithm).
- • I can list the steps that are required for a task, and I can follow those steps to complete the task.
- I can read and follow a list of steps for a task (algorithm) and recognize an error exists.
- I can use a computer program to help me solve a problem and to make some task easier.

Unit 3 Learning Plan

10 Classes in this Unit

Class	Target	Learning Plan
Week 21	<ul style="list-style-type: none"> I can list the steps that are required for a task, and I can follow those steps to complete the task. 	<p>The students will practice listing and demonstrate the step work begun in previous classes, each student will be given steps required to complete the task. Once students have completed their task, they will be given the task to complete by another student. Each student will then complete the task.</p> <p>Note: All classes will include keyboarding practice either period.</p>
Week 22	<ul style="list-style-type: none"> I can use a computer program to help me solve a problem and to make some task easier. 	<p>Students will work with their partners from the previous class to complete their task. This time, the partners will discuss the steps listed in order for the results to be as expected. For example, they will list, add video, or other media to help create a better tool to solve the problem.</p> <p>Note: All classes will include keyboarding practice either period.</p>
Week 23	<ul style="list-style-type: none"> I can use a computer program to help me solve a problem and to make some task easier. 	<p>Students will continue to work on the previous lessons to complete their task.</p> <p>Note: All classes will include keyboarding practice either period.</p>
Week 24	<ul style="list-style-type: none"> I can use a computer program to help me solve a problem and to make some task easier. 	<p>Students will continue to work on the previous lessons to complete their task.</p> <p>Note: All classes will include keyboarding practice either period.</p>
Week 25	<ul style="list-style-type: none"> I can enter data into a computer program and understand the results. 	<p>Students will be introduced to a simple Google Sheets. The computer takes input through a series of written commands and produces output. Students will learn about cells, entering data, and formatting.</p> <p>Note: All classes will include keyboarding practice either period.</p>
Week 26	<ul style="list-style-type: none"> I can enter data into a computer program and understand the results. 	<p>Today students will continue with the exploration of spreadsheets.</p> <p>Note: All classes will include keyboarding practice either period.</p>

Week 27		<ul style="list-style-type: none"> I can create an algorithm to complete a task 	<p>This class will build upon skills learned in the two previous weeks.</p> <p>Note: All classes will include keyboarding practice either during or after class.</p>
Week 28		<ul style="list-style-type: none"> I can create an algorithm to complete a task 	<p>This class will build upon skills learned in the three previous weeks.</p> <p>Note: All classes will include keyboarding practice either during or after class.</p>
Week 29		<ul style="list-style-type: none"> I can read and follow a list of steps for a task (algorithm) and recognize an error exists. I can correct an error in a list of steps for a task (algorithm). 	<p>This class will build upon skills learned in the four previous weeks.</p> <p>Note: All classes will include keyboarding practice either during or after class.</p>
Week 30			<p>Note: All classes will include keyboarding practice either during or after class.</p>

Assessments

- Collaboration Project: Creating/Following Steps in a Process: Document
- Keyboarding Skills: Online Typing Test
- Steps in a Process: Document

Technology

- Access to Google Apps for Education
- Individual Student Chromebooks
- Internet Access
- Promethean Board
- Teacher PC/Chromebook

Materials & Resources

- Internet Access
- Program Access: Google Apps for Education
- Program Access: Keyboarding Program
- Program Access: Word Processing Program/Spreadsheet

Career Readiness, Life Literacies, and Key Skills

TECH.9.4.2.DC.3	Explain how to be safe online and follow safe practices when using the internet (e.g., 8.1.2.NI.3, 8.1.2.NI.4).
TECH.9.4.2.DC.4	Compare information that should be kept private to information that might be made public.
TECH.9.4.2.DC.5	Explain what a digital footprint is and how it is created.
TECH.9.4.2.DC.6	Identify respectful and responsible ways to communicate in digital environments.

21st Century Life and Career

WRK.9.1.2.CAP.1	Make a list of different types of jobs and describe the skills associated with each job.
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