

## Swedesboro-Woolwich School District's Technology Curriculum Guidance Document

### GRADE 1– Unit 3

#### Mission Statement

The primary goal of the Swedesboro-Woolwich School District is to prepare each student with the real life skills needed to compete in a highly competitive global economy. This will be achieved by providing a comprehensive curriculum, the integration of technology, and the professional services of a competent and dedicated faculty, administration, and support staff.

Guiding this mission will be Federal mandates, including No Child Left Behind, the New Jersey Core Curriculum Content Standards, and local initiatives addressing the individual needs of our students as determined by the Board of Education. The diverse resources of the school district, which includes a caring PTO and active adult community, contribute to a quality school system. They serve an integral role in supporting positive learning experiences that motivate, challenge and inspire children to learn.

#### Unit/Module 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.

#### Standards Covered in Current Unit/Module

##### Related Standards and Learning Goals

CS.K-2.8.1.2.AP.3

Create programs with sequences and simple loops to accomplish tasks.

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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

- 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 tasks easier.
- • 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).

### Unit/Module Weekly Learning Activities and Pacing Guide

Topic & # Days	NJ Standards	Critical Knowledge & Skills	Possible Resources & Activities
Week 21	<ul style="list-style-type: none"> <li>• CS.K-2.8.1.2.AP.3</li> <li>• <u>CS.K-2.8.1.2.AP.4</u></li> <li>• <u>CS.K-2.8.1.2.AP.5</u></li> <li>• <u>CS.K-2.8.1.2.AP.6</u></li> <li>• <u>CS.K-2.8.1.2.CS.1</u></li> <li>• CS.K-2.AP</li> </ul>	<ul style="list-style-type: none"> <li>• I can list the steps that are required for a task, and I can follow those steps to complete the task.</li> </ul>	The students will practice listing and demonstrate the steps to complete an everyday task. Building upon work begun in previous classes, each student will be given a predetermined task and asked to record the steps required to complete the task. Once students have completed their lists, each will be partnered with another student. Each student will then complete the task using the other student's list of steps.

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Week 22	<ul style="list-style-type: none"> <li>● CS.K-2.8.1.2.AP.3</li> <li>● <u>CS.K-2.8.1.2.AP.4</u></li> <li>● <u>CS.K-2.8.1.2.AP.5</u></li> <li>● <u>CS.K-2.8.1.2.AP.6</u></li> <li>● <u>CS.K-2.8.1.2.CS.1</u></li> <li>● CS.K-2.AP</li> </ul>	<ul style="list-style-type: none"> <li>● I can use a computer program to help me solve a problem and to make some tasks easier.</li> </ul>	Students will work with their partners from the previous class. They will again follow the directions to complete their task. This time, the partners will discuss the tasks and determine how they could have listed the steps in order for the results to be as expected. Possible solutions may be to add graphics to the list, add video, or other media to help create a better tool to get the task done.
Week 23	<ul style="list-style-type: none"> <li>● CS.K-2.8.1.2.AP.3</li> <li>● <u>CS.K-2.8.1.2.AP.4</u></li> <li>● <u>CS.K-2.8.1.2.AP.5</u></li> <li>● <u>CS.K-2.8.1.2.AP.6</u></li> <li>● <u>CS.K-2.8.1.2.CS.1</u></li> <li>● CS.K-2.AP</li> </ul>	<ul style="list-style-type: none"> <li>● I can use a computer program to help me solve a problem and to make some tasks easier.</li> </ul>	Students will continue to work on the previous lessons to create a useful set of directions.
Week 24	<ul style="list-style-type: none"> <li>● CS.K-2.8.1.2.AP.3</li> <li>● <u>CS.K-2.8.1.2.AP.4</u></li> <li>● <u>CS.K-2.8.1.2.AP.5</u></li> <li>● <u>CS.K-2.8.1.2.AP.6</u></li> <li>● <u>CS.K-2.8.1.2.CS.1</u></li> <li>● CS.K-2.AP</li> </ul>	<ul style="list-style-type: none"> <li>● I can use a computer program to help me solve a problem and to make some tasks easier.</li> </ul>	Students will continue to work on the previous lessons to create a useful set of directions.
Week 25	<ul style="list-style-type: none"> <li>● CS.K-2.8.1.2.AP.3</li> <li>● <u>CS.K-2.8.1.2.AP.4</u></li> <li>● <u>CS.K-2.8.1.2.AP.5</u></li> <li>● <u>CS.K-2.8.1.2.AP.6</u></li> <li>● <u>CS.K-2.8.1.2.CS.1</u></li> <li>● CS.K-2.AP</li> </ul>	<ul style="list-style-type: none"> <li>● I can enter data into a computer program and understand the results.</li> </ul>	Students will be introduced to a sample in Google Sheets. Using the program, the students will learn how a computer takes input through a series of written commands and then interprets and displays information as output. Students will learn about cells, entering data, and functions.
Week 26	<ul style="list-style-type: none"> <li>● CS.K-2.8.1.2.AP.3</li> <li>● <u>CS.K-2.8.1.2.AP.4</u></li> <li>● <u>CS.K-2.8.1.2.AP.5</u></li> <li>● <u>CS.K-2.8.1.2.AP.6</u></li> <li>● <u>CS.K-2.8.1.2.CS.1</u></li> </ul>	<ul style="list-style-type: none"> <li>● I can enter data into a computer program and understand the results.</li> </ul>	Today students will continue with the exploration of spreadsheets and skills begun during the last class.

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	<ul style="list-style-type: none"> <li>CS.K-2.AP</li> </ul>		
Week 27	<ul style="list-style-type: none"> <li>CS.K-2.8.1.2.AP.3</li> <li><u>CS.K-2.8.1.2.AP.4</u></li> <li><u>CS.K-2.8.1.2.AP.5</u></li> <li><u>CS.K-2.8.1.2.AP.6</u></li> <li><u>CS.K-2.8.1.2.CS.1</u></li> <li>CS.K-2.AP</li> </ul>	<ul style="list-style-type: none"> <li>I can create an algorithm to complete a task</li> </ul>	This class will build upon skills learned in the two previous classes.
Week 28	<ul style="list-style-type: none"> <li>CS.K-2.8.1.2.AP.3</li> <li><u>CS.K-2.8.1.2.AP.4</u></li> <li><u>CS.K-2.8.1.2.AP.5</u></li> <li><u>CS.K-2.8.1.2.AP.6</u></li> <li><u>CS.K-2.8.1.2.CS.1</u></li> <li>CS.K-2.AP</li> </ul>	<ul style="list-style-type: none"> <li>I can create an algorithm to complete a task</li> </ul>	This class will build upon skills learned in the three previous classes.
Week 29	<ul style="list-style-type: none"> <li>CS.K-2.8.1.2.AP.3</li> <li><u>CS.K-2.8.1.2.AP.4</u></li> <li><u>CS.K-2.8.1.2.AP.5</u></li> <li><u>CS.K-2.8.1.2.AP.6</u></li> <li><u>CS.K-2.8.1.2.CS.1</u></li> <li>CS.K-2.AP</li> </ul>	<ul style="list-style-type: none"> <li>I can read and follow a list of steps for a task (algorithm) and recognize an error exists.</li> <li>I can correct an error in a list of steps for a task (algorithm).</li> </ul>	This class will build upon skills learned in the three previous classes.
Week 30	<ul style="list-style-type: none"> <li>CS.K-2.8.1.2.AP.3</li> <li><u>CS.K-2.8.1.2.AP.4</u></li> <li><u>CS.K-2.8.1.2.AP.5</u></li> <li><u>CS.K-2.8.1.2.AP.6</u></li> <li><u>CS.K-2.8.1.2.CS.1</u></li> <li>CS.K-2.AP</li> </ul>	<ul style="list-style-type: none"> <li>I can read and follow a list of steps for a task (algorithm) and recognize an error exists.</li> <li>I can correct an error in a list of steps for a task (algorithm).</li> </ul>	This class will build upon skills learned in the three previous classes.

[Link to Additional Components including Cross Curricular Connections, Accommodations, Assessments, Etc](#)

[ELA Enduring Understanding Statements](#)

