Grade 5 Computer Literacy   Informational Media & Technology Literacy

Grade 5

Course Overview

Over the course of the year, fifth graders learn more in-depth functions of computers. This includes using Google Workspace applications, Digital Citizenship, and coding. The students also create artifacts that demonstrate the skills taught in class.

Scope and Sequence

Timeframe	Unit	Instructional Topics
Ongoing	Google Slides/Google Classroom	1. Vision Board
Ongoing	Google Drawings	1. Infographic
Ongoing	Digital Citizenship/Internet Skills	1. Navigating the Internet
		2. Digital Footprint
		3. Cyberbullying
		4. Evaluate a Website
Ongoing	21Things4Students	1. Chromebook shortcuts
		2. Email Etiquette
		3. Copyright laws, fair use, creative commons plagiarism
		4. Explore Tool to cite sources
Ongoing	Coding	1. CS First: Friends

Course Details

UNIT: Google Docs (ISTE: 2.b, 3.b, 3.d., 5.a., 5.b, 6.a) -- Ongoing

Description

The students will use Google Docs to edit a document. They will learn formatting skills such as cut/copy/paste, word count, bold, underline, font color, font size, line spacing, thesaurus use, text alignment, insert images, etc. These skills will be used and practiced throughout the year.

TOPIC: Stormy Day

Learning Targets

The students will edit a document titled, "Stormy Day" and format it according to hard copy directions.

UNIT: Google Drawings (ISTE: 2.b, 3.b, 3.d., 5.a., 5.b, 6.a) -- Ongoing

Description

The students will use Google Drawings (or other online drawing application) to create an infographic about our AUP and classroom expectations.

TOPIC: Infographic-- Ongoing

Learning Targets

The students will create a diagram (infographic) using Google Drawings to show the eight major phases of the moon during the month of October. They will use shapes, text boxes, font styles, font colors, size, gradients, ordering of shapes, etc.

UNIT: Google Forms (ISTE:5.b., 7.a, 7.c.) -- Ongoing

Description
As a class we create a survey centering on the topic of foods. The teacher models the process of creating a   survey with a variety of questions. Upon completion, students will choose a partner or work alone on a topic   of their choosing.

TOPIC: Survey of Foods

Learning Targets

The students will be introduced to Google forms through the use of a teacher lead lesson.

TOPIC: Survey of Choice

Learning Targets

The students will independently or with a partner create a survey on a topic of their choosing. They will incorporate at least three of the question types in their survey and analyze the results.

UNIT: Digital Citizenship/Internet Skills (ISTE: 2.a., 2.b., 2.c., 2.d.) -- Ongoing

Description
During this unit, the students learn how to safely navigate the internet and protect themselves from predators   on the Internet through a variety of activities. Common Sense Media and [Be Internet Awesome](#) are   used as well as other current online resources as deemed relevant.

TOPIC: Navigating the Internet -- Ongoing

Learning Targets

The students will identify safety issues related to the responsible use of information and technology. The current lesson titled, "

TOPIC: Digital Footprint-- Ongoing

Learning Targets

The students will learn why it is risky to share private information online. The current lesson titled,

TOPIC: Cyberbullying -- Ongoing

___

Learning Targets

___The students will define "Digital Footprint" and identify ways they can and can not control their online presence. The current lesson titled, Word Cloud

<u>**UNIT: Google SlideShow (ISTE:3.a., 3.c., 6.a., 6.b., 6.c., 6.d.)**</u> -- Ongoing

Description
The students work in groups of three and select a city in Wisconsin to research and cite information properly using the Google Explore tool. They create a SlideShow and share it with classmates.

<u>**TOPIC: WI Research with Explore Tool**</u>-- Ongoing

<u>**Learning Targets**</u>
The students will communicate clearly by identifying websites that give them information about a WI city and create a unique presentation with accurate citations provided by the Explore Tool.

___

<u>**UNIT: Coding (ISTE: 5.a.)**</u> -- Ongoing

Description

Google's CS (Computer Science) First teaches computer science skills, using MIT's block-based coding platform, Scratch. It is set up as a blended learning platform that combines two types of instruction – integrating online digital media with the traditional classroom methods. It can also address the needs of individual students, as it offers closed captioning, a transcript of each video, and different speeds of video play. Scratch can also be programmed in more than 50 languages to support our English language learners.

<u>**TOPIC: CS First:**</u> <u>**Friends**</u>--Ongoing

<u>**Learning Targets**</u>

The students will use blocked-based coding (Scratch) to encourage computational thinking.