Sand, Surf and Sheets??

Google Sheets That Is!!
Lisa Lawson and Leah Talbert
Twitter Handles: @LeahTalbert and @lisaplawson
Greene County Schools

https://goo.gl/Z4BLuQ
Credits and Acknowledgements

- ControlAltAchieve.com - Eric Curts
- Alice Keeler - Pixel Art
- Google Apps for Littles
Objectives

- Create Pixel Art using Google Sheets and discuss ways to use it in class (Including ways to use Conditional Formatting)
- Share tips and tricks for using Google Sheets
- Explore Flippity.net and examine how it uses Google Sheets templates for making things like scavenger hunts, jeopardy-like games, flashcards, bingo, matching, etc.
Pixel Art with Google Sheets
Pixel Art with Google Sheets

A fun and engaging use of Google spreadsheets is to create Pixel art. Students can draw and represent objects by coloring cells in the spreadsheet. This is not only a fun activity, but a good excuse to get students started with spreadsheets which is a valuable life skill.
Ways to Use Pixel Art in the Classroom

- **General creativity** - Have students be creative and make whatever they like.
- **Art** - Have students create their own artistic works, or pixel versions of existing art.
- **Tech Skills** - Great for younger students to practice typing, using the arrow keys, using the mouse, clicking and dragging, and more.

https://www.controlaltachieve.com/2017/02/sheets-pixelart.html
Ways to Use Pixel Art in the Classroom

- **Characters** - Making characters from a story read in class or for a story the students are writing.
- **Concepts** - Illustrate a science concept they are learning, practice math computation. etc.
- **Retelling** - Show an event from history or from a story.
- **Mapping** - Create a map of your neighborhood, state, country, famous battle, landforms, etc.

https://www.controlaltachieve.com/2017/02/spreadsheet-activities.html
Using Conditional Formatting

Conditional formatting is when you set up rules for the Sheet to format cells based upon what you type into them.

For Example: Click "Format" in the top menu bar.

- Choose "Conditional formatting" from the drop-down menu.
- This will open the "Conditional formatting" panel on the right side of the screen.

https://www.controlaltachieve.com/2017/02/sheets-pixelart.html
Cheat Sheet for Creating a Pixels Template

Click picture for link.
Click Here for Folder filled with Pixel Art Templates for Multiples of 1-10.

Open a Blank Spreadsheet and Let’s Practice
Other Ideas for Using Conditional Formatting

- Use with Word Study for Immediate Feedback - [Click for Example]
- Create Templates for students to practice area and perimeter - [Click for an Area Example]
- Use with pattern making or have students create picture and then write about it.
- [Other Ideas??]
Tips and Tricks with Google Sheets
Automatically Number

That little blue square that appears at the bottom of the selected cell is your friend. If you select multiple cells, it will figure out what to do with the pattern. If you select one cell, it will copy/paste that cell wherever you drag it.
Google Sheets allows you to easily have any number converted into percent formatting. In addition, you can format numbers for dates, time and money. It’s super simple!
Text Wrap

If you’ve ever collected information in a form that required a sentence as an answer, you’ve seen how funky sheets can look. Text Wrapping is the perfect fix for this - Just click the column heading and format the text to wrap. This automatically adjusts the height of the row to allow you to see all of the information.
One quick way to fix the way a sheet looks is to double click between the columns. This will adjust the width of the column to the size of the largest amount of text in that column.
Freeze Top Row

Ever used a preformatted sheet and noticed that the top row didn’t change when you scrolled? That is simple to do in your own sheets.
Change Formatting in Multiple Columns and Rows

If you hold down the shift key and select multiple columns, you can change the formatting on all those columns at the same time.

You can do the same thing to rows that you can do to columns. Just click on the number on the left to select the row or rows you want to format.
Alternating Colors

Sometimes looking at Google Sheets can make your eyes feel wonky! Be sure to use alternating colors to help make them easier to read.
Checkboxes/Dropdown Boxes

Easily insert checkboxes into your Google Sheets. Simply highlight the boxes that you want to insert checkboxes - then click on “Insert” and then “Checkboxes”.

Other Cool Templates that Use Google Sheets
Flippity is a series of web apps that can easily turn a Google Spreadsheet into a set of online activities. For example, you can create scavenger hunts, jeopardy-like games, flashcards, bingo, etc.
Go to Flippity.net
Reminder:

In order to **Save a Picture** to use with Flippity - You will need to complete the following:

- Select the image you want to use from the web and copy that image.
- Then go to [Google Drawing](https://drawing.google.com/) (just search google drawings)
- Once you are in Google Drawing - Paste your image. **Be sure to increase the size of your image to fit the screen in Google Drawing.**
- Once you have the image the way you like...Click file...Publish to the web.
- Then click Publish...and copy the link provided. (Once you have published an image... you will not have to click the “Publish” button again since it is not highlighted - but you will need to get the new link)
- You are now ready to insert that link back into the Google Spreadsheet Template provided by Flippity.
Sharing Published Link for Flippity Activities:

You can share Flippity activities that you have created with your students by using the published link. This link can be shared with students using Google Classroom or you can create a QR Code for students to use with their Chromebooks or iPads.

**Quick Tip** Click share at the bottom of the published Flippity screen and there you will see several to share your Flippity with students. (i.e Google Classroom, QR codes, etc.)