

# Google Sheets



## Project Ideas & Implementation Across the Curriculum

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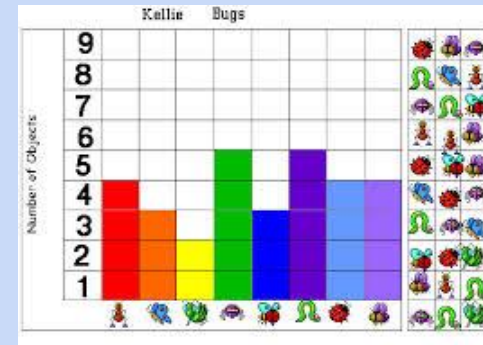


[Totally Awesome Things to do with Spreadsheets in the Classroom](#)

[More Totally Awesome Things to do with Spreadsheets in the Classroom](#)

# Why Spreadsheets?

- Formulas allow students to demonstrate procedural knowledge.
- Database creation = research, organization, curation
- Instantly create charts from data for visual learners
- Teach mathematical vocabulary through technology
- Increased engagement



# Using Spreadsheets as Templates

- Using lines and color - Index Cards
- Utilizing tabs within Sheets - Student Notebooks
- Graphic Organizers
  - [Tree Map Template](#)
- Collaborative Lesson Planning
  - [Lesson Plan Template](#)



# Using Formulas

- Equals
- Min/Max
- Basic Arithmetic
- If/Then Statements
  - =IF(what you're testing, "true value", "false value")

	J	K
1	=sum(K1+K3)	10
2		12
3		14
4		16
5		

	A	B	C	D
1	Name	Paper 1	Paper 2	Total
2	Burns	43	50	=B2+C2
3	Gibson	27	32	=B3+C3
4	Smith	42	37	=B4+C4
5	Wilde	12	24	=B5+C5
6	Average	=AVG(B2:B5)	=AVG(C2:C5)	

The base formula.

The formula changes as it is copied down.

# Homework Checks

- Math, 1-word answers
- Create template
  - Using If/Then formulas
  - Hide answer columns
- Homework Check Stations
- Students record what questions they missed
- Teacher reviews most missed



# Elementary Activities

- Math: Using formulas to teach vocabulary
  - Equal
  - Min/Max
  - Average/Sum
- ELA: [Grammar Scrambler](#) (From LearnNC)
- Science: Template to collect weather data from multiple locations
- Social Studies: Creating a Timeline
  - [Timeline Template](#)

# Middle School Activities

- Math: [Budgeting](#)
- ELA: Story Starters
- Science: [Explore Weight and Age on Other Planets](#)
- Social Studies: Population Growth/Density over time



# High School Activities

- Math: Comparing summer jobs
- ELA: Reading Tracker, SAT Vocab Database
  - Harrison Bergeron - What is Average
- Science: [Doctors as Detectives](#)
- Social Studies: Historical Scavenger Hunts

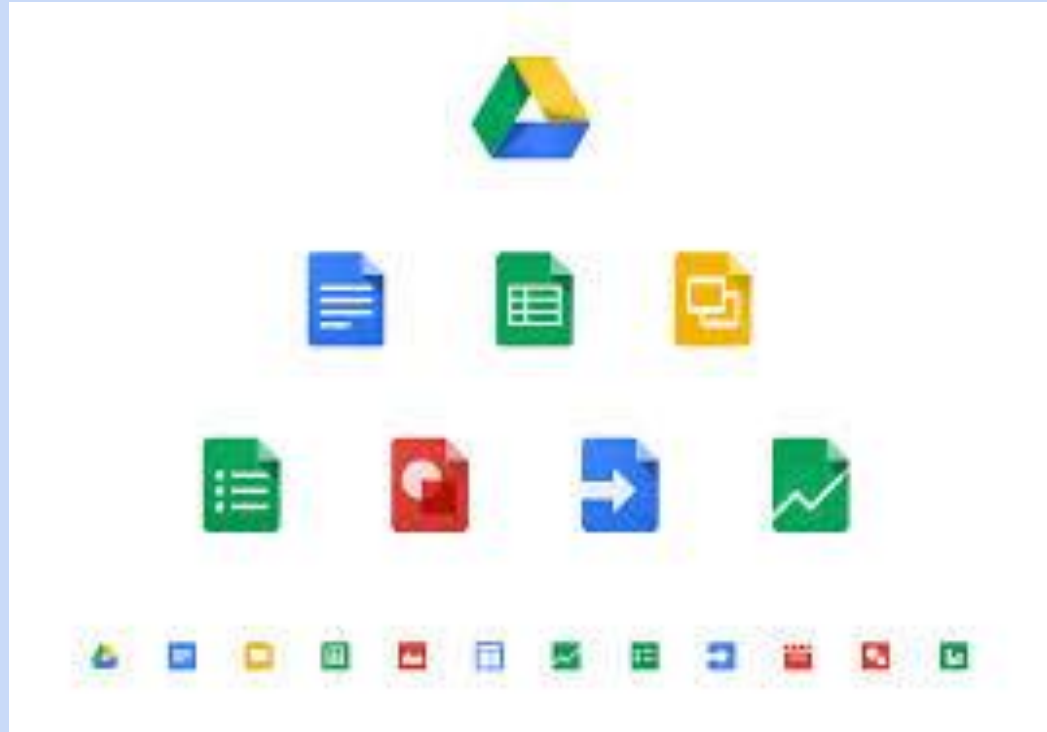


# Collaborative Databases

- [Global Grocery List Project](#)
- [Project Noah](#)
- Use Google Forms to collect data
  - Monthly mortgage, utility, grocery budgets, etc. by location
  - Use sorting, find, and insert charts to quickly find and display data

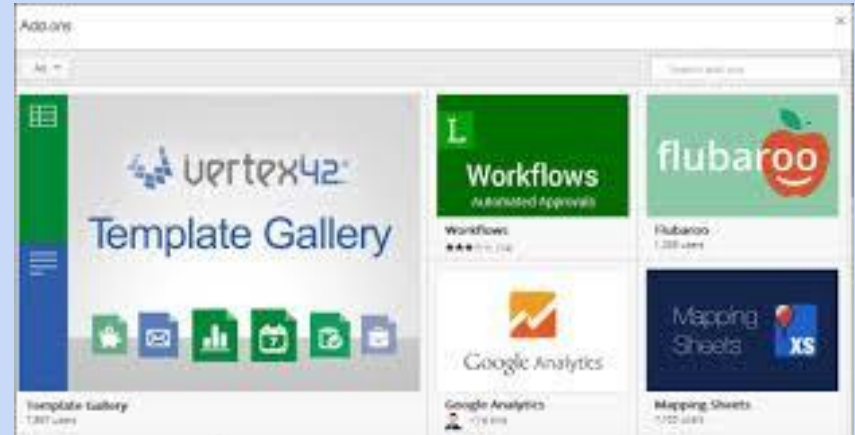


# Tools by Tammy Tang



# Add-Ons

- Random Generator
- Styles
- Template Gallery
- Sudoku
- gClassFolders
- Doctopus
- Flubaroo



# Resources

<http://www.alicechristie.org/edtech/ss/>

[tammytang.com](http://tammytang.com)

[NCLearn](#)

[TheLearningNetwork](#) (NY Times)

[Sandbox of Sheets Activities](#)