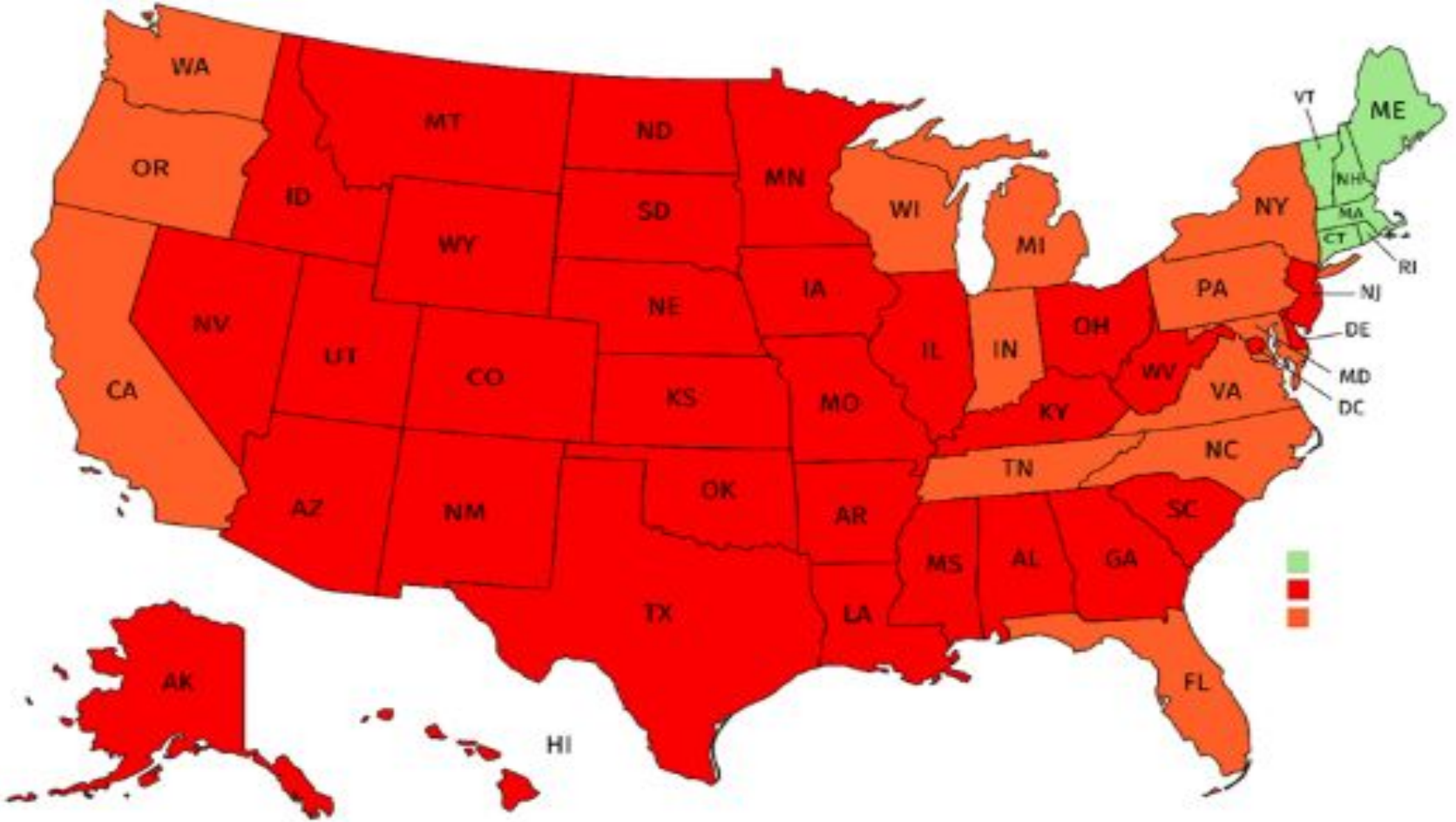
Creating a Personal Watershed Story

Lacey Huffling and Heather Scott

GEORGIA SOUTHERN UNIVERSITY

OUR2SWAMP
GEORGIA SOUTHERN UNIVERSITY

The National Academies of SCIENCES ENGINEERING MEDICINE
GULF RESEARCH PROGRAM


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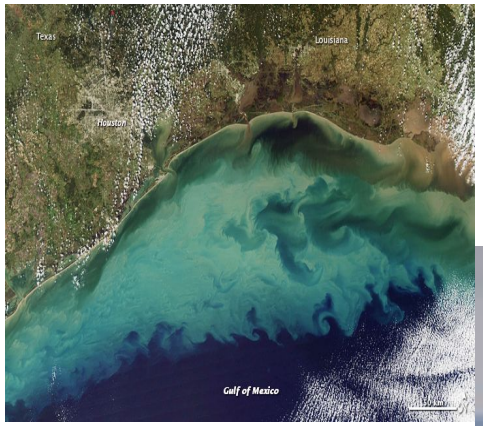
Who we are...

OUR²SWAMP

GEORGIA SOUTHERN UNIVERSITY

OUR²SWAMP:

Okefenokee- Understanding Real-world Relevance through Suwannee Watershed Assessment & Monitoring Project





Citizen Science Opportunities





eBird

iNaturalist
Explore Learn Record

Leaf Pack Network

CLEAN WATER HUB
IZAAK WALTON LEAGUE OF AMERICA

Hands on the Land

World Water Monitoring Day
September 18

nature's notebook
A project of the USA-NPN

Citizen Science Databases:
Zooniverse SciStarter

Resources used during this Session

http://bit.ly/watershed-resources



List of Requirements



Check out
the list of requirements.

As we proceed, keep a log of requirements you would add.

Example to Explore

[StoryMap on new proposed "Waters of the US" Rule]

[StoryMap Analysis for Students]



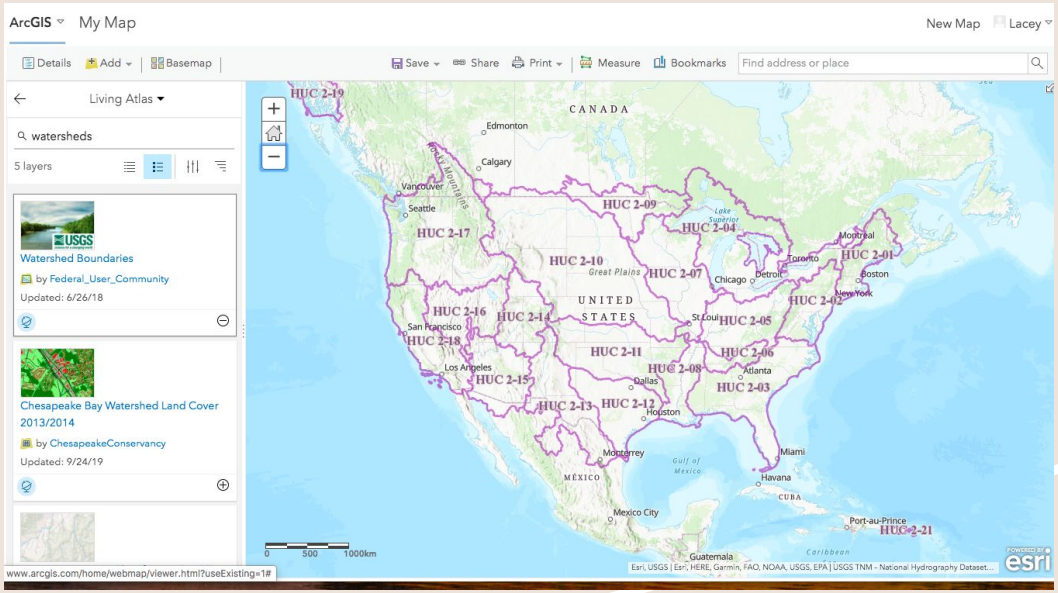
Learning the Content: Watersheds and HUC Level



Student Note Taking Graphic Organizer

Answer Key

Learning the Content: ArcGIS





[FREE Software for K-12 Schools and Higher Ed Teacher Ed]

[Example Map]

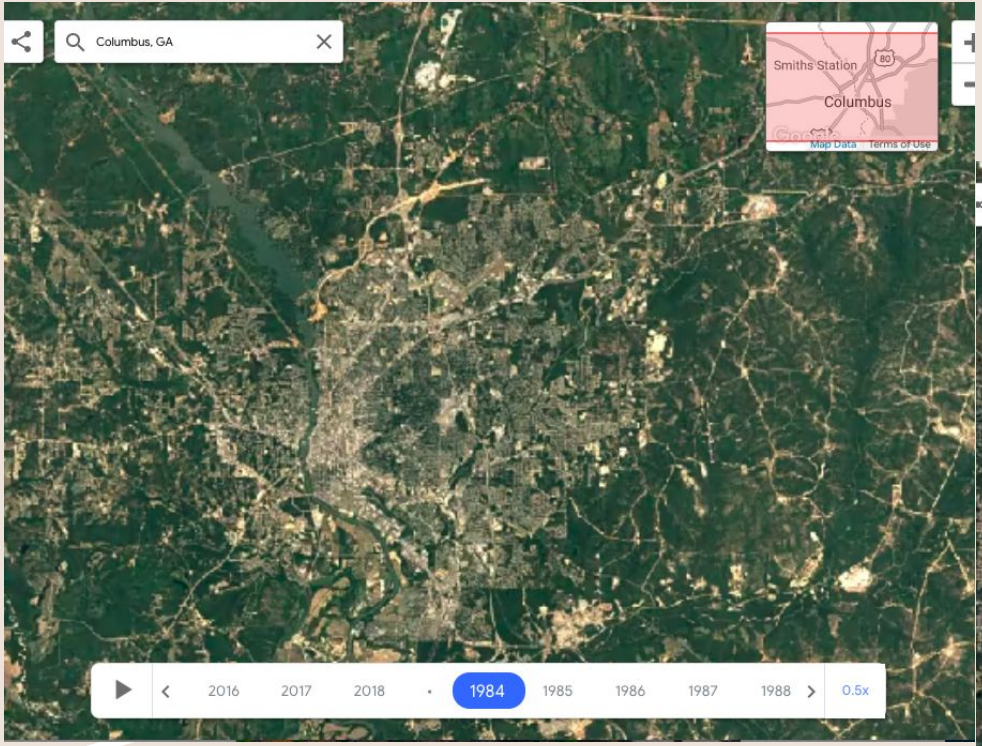
[Example 15 min GeoInquiry about Water as a Resource]

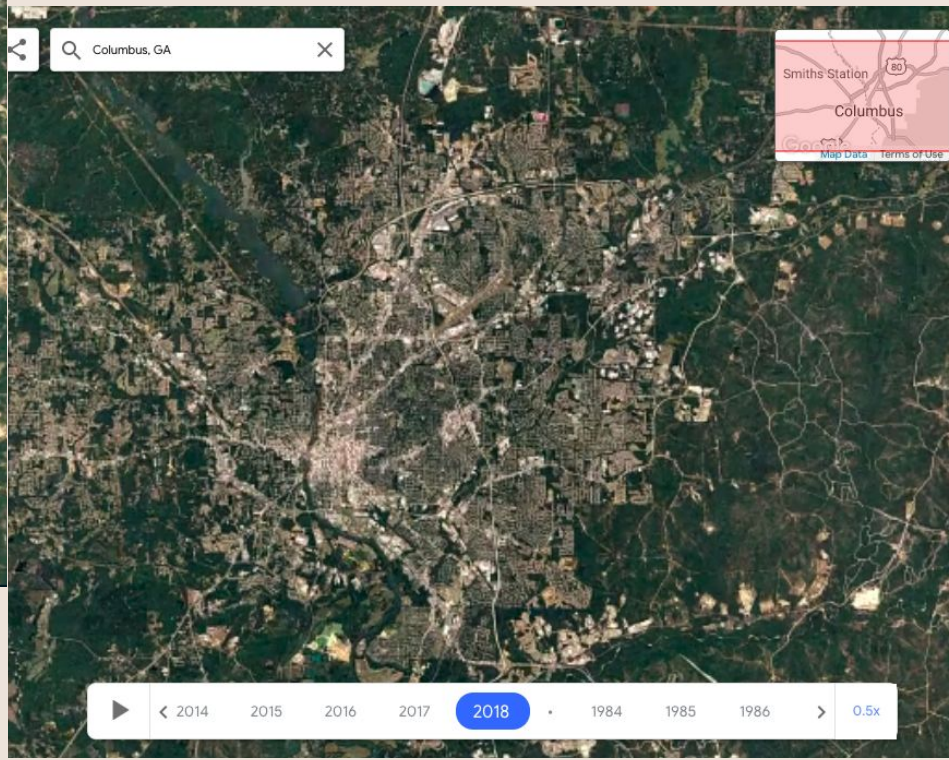
[FREE Instructional Resources]

[Example Watershed StoryMap One Hour Lesson]

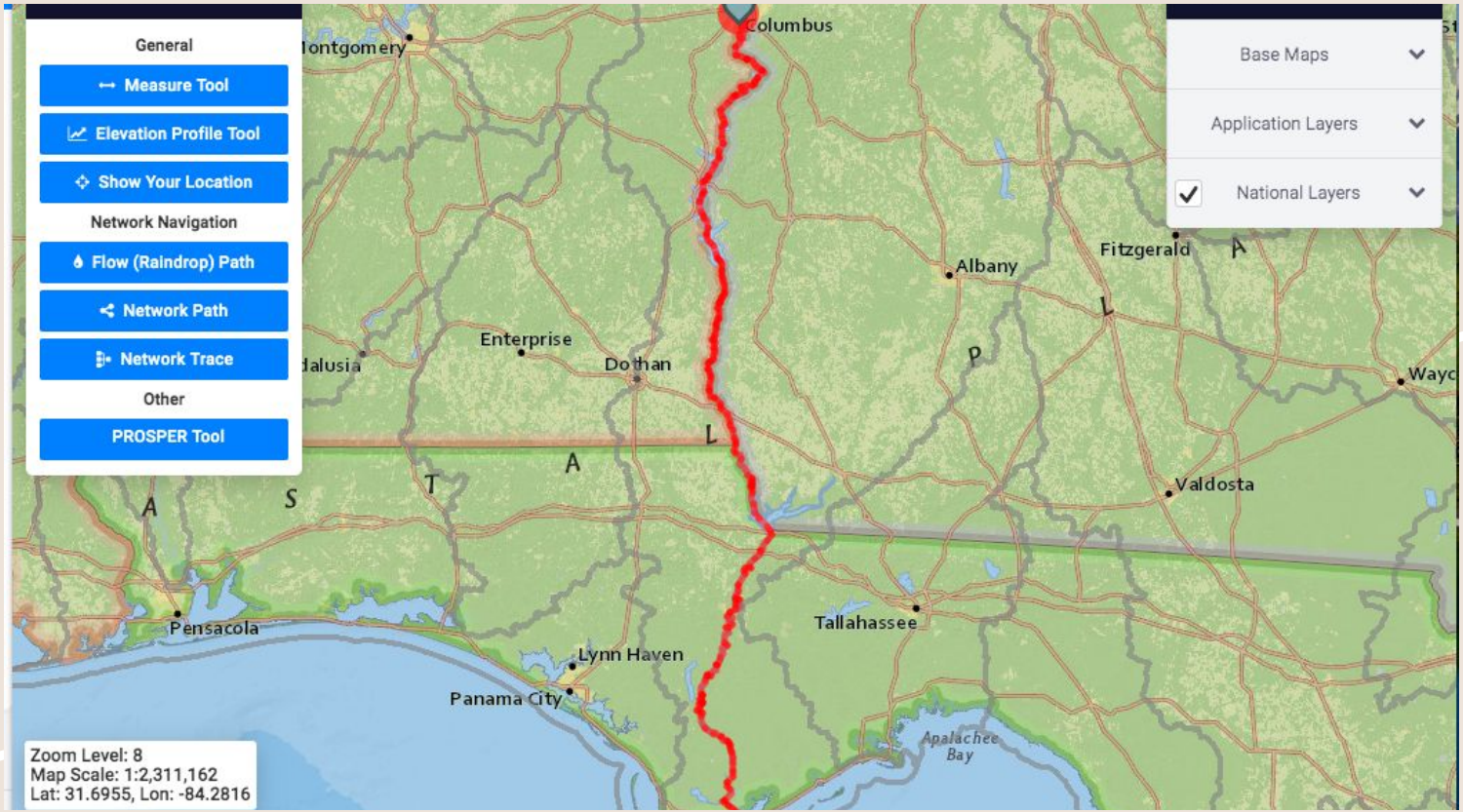
[FREE Educator Support]

Learning the Content: Google Earth Timelapse





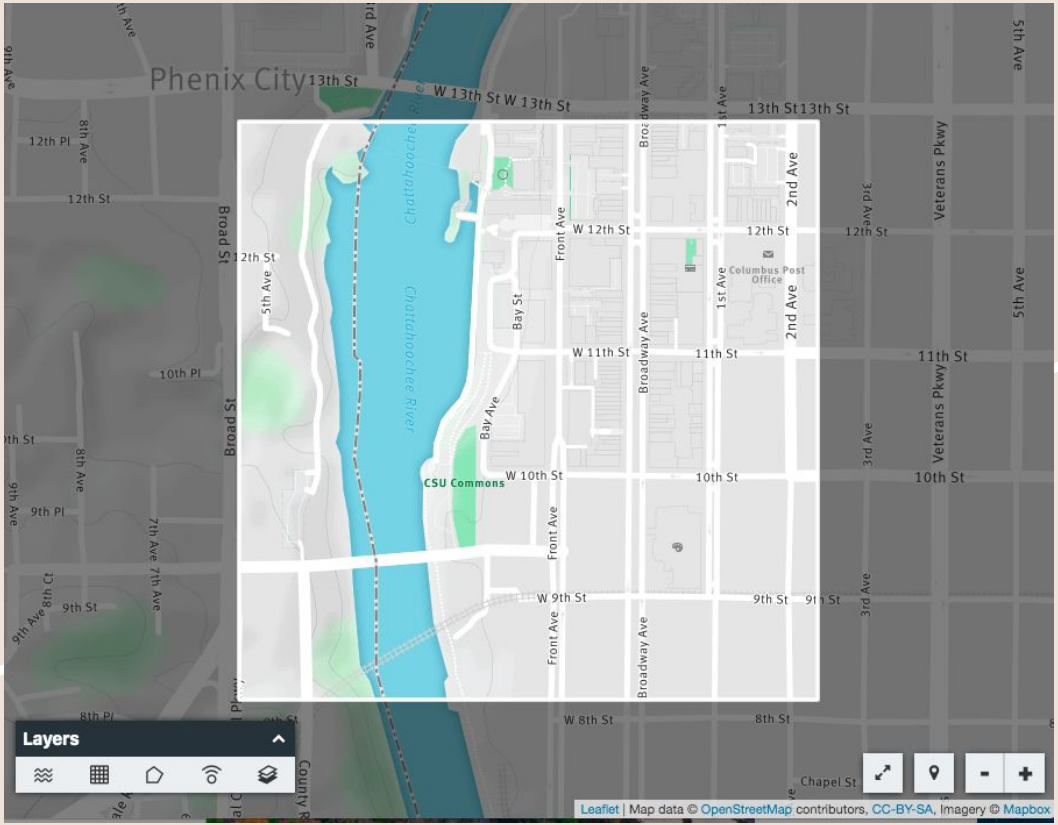
Learning the Content: StreamStats



Overview

Student Exploration Worksheet

Learning the Content: Model My Watershed



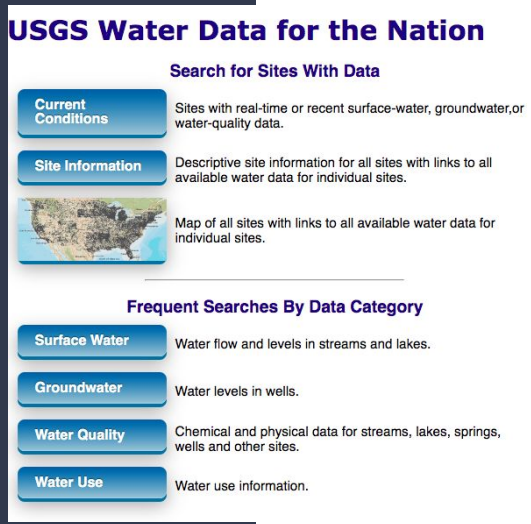
Student exploration worksheet

Learning the Content: Surf Your Watershed

How's My Waterway- Has list of local water bodies and how polluted they are

Healthy Watershed Protection - Has basic information on watersheds including benefits & indicators of healthy watersheds

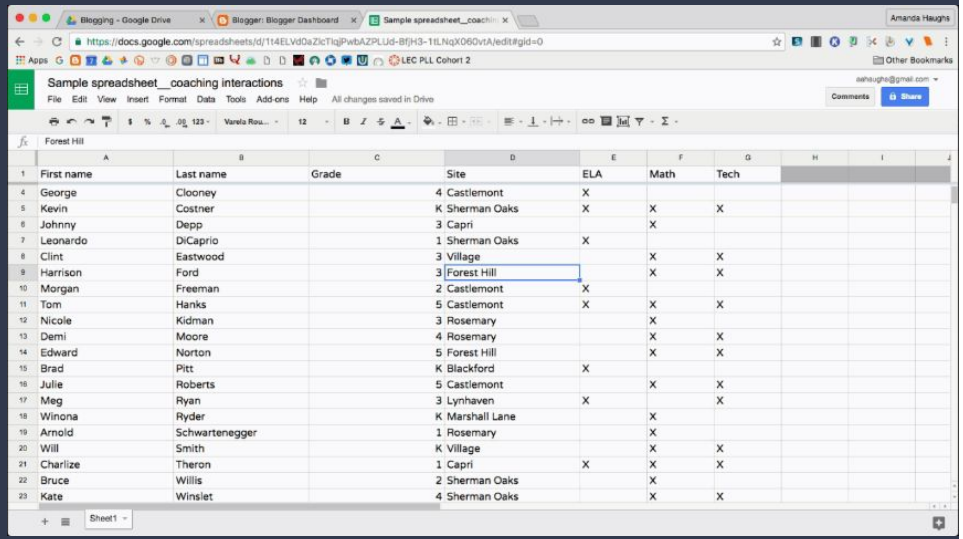
Learning the Content: USGS Water Data for the Nation



Data collected at approximately **1.9 million sites** in all 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, American Samoa and the Commonwealth of the Northern Mariana Islands.

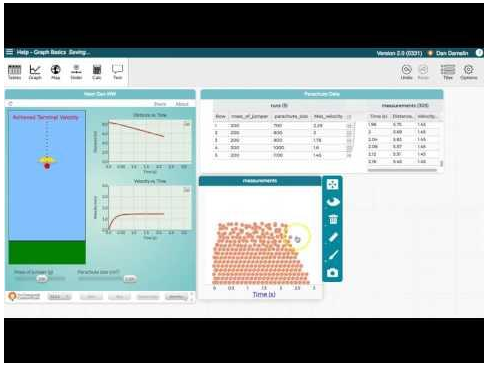
Displaying the Data

Google Spreadsheet Explore Tool

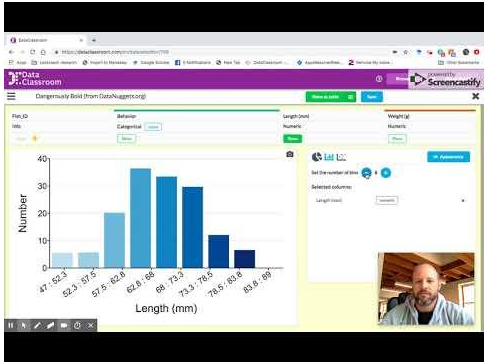


	First name	Last name	Grade	Site	ELA	Math	Tech
4	George	Clooney	4	Castlemont	X		
5	Kevin	Costner	K	Sherman Oaks	X	X	X
6	Johnny	Depp	3	Capri		X	
7	Leonardo	DiCaprio	1	Sherman Oaks	X		
8	Clint	Eastwood	3	Village		X	X
9	Harrison	Ford	3	Forest Hill		X	X
10	Morgan	Freeman	2	Castlemont	X		
11	Tom	Hanks	5	Castlemont	X	X	X
12	Nicole	Kidman	3	Rosemary		X	
13	Demi	Moore	4	Rosemary		X	X
14	Edward	Norton	5	Forest Hill		X	X
15	Brad	Pitt	K	Blackford	X		
16	Julie	Roberts	5	Castlemont		X	X
17	Meg	Ryan	3	Lynhaven	X		X
18	Winona	Ryder	K	Marshall Lane		X	
19	Arnold	Schwartenegger	1	Rosemary		X	
20	Will	Smith	K	Village		X	X
21	Charlize	Theron	1	Capri	X	X	X
22	Bruce	Willis	2	Sherman Oaks		X	
23	Kate	Winslet	4	Sherman Oaks		X	X

Graphing in CoDap



Data Classroom



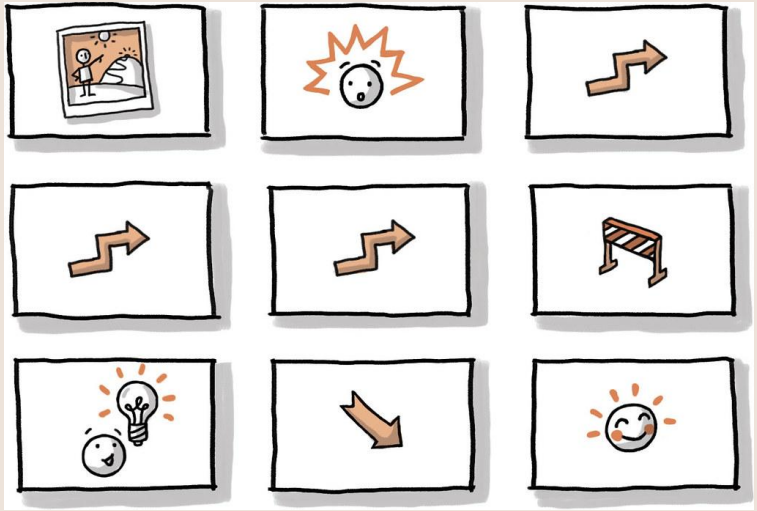
Blog template: http://bit.ly/BlogTemp

How to create a Screencast with Screencastify:
https://www.youtube.com/watch?v=eGnviWm60BQ

How to create an ArcGIS StoryMap:
https://learn.arcgis.com/en/arcgis-book/chapter3/

Media Options

Storyboarding



Gathering Stories

Interview protocol

Personal reflection



Photovoice

a way for community members to take and share photographs that express the strengths and needs of their neighborhood.



- Civic Responsibility: To discover community issues.
- Civic Action: To develop an action plan for change.
- Civic Education: To communicate an issue.

3 Main Goals

(1)To enable people to record and reflect their community's strengths and concerns

(2)To promote critical dialogue and knowledge about important issues through large and small group discussion of photographs

(3)To educate others



Example Assignment

SHOWeD Protocol*

1.) What do you **SEE** here?

2.) What is really **HAPPENING** here?

3.) How does this relate to **OUR** lives?

4.) **WHY** does this problem, condition, or strength exist?

5.) What can you do to **EDUCATE** others about the problem, condition or strength?

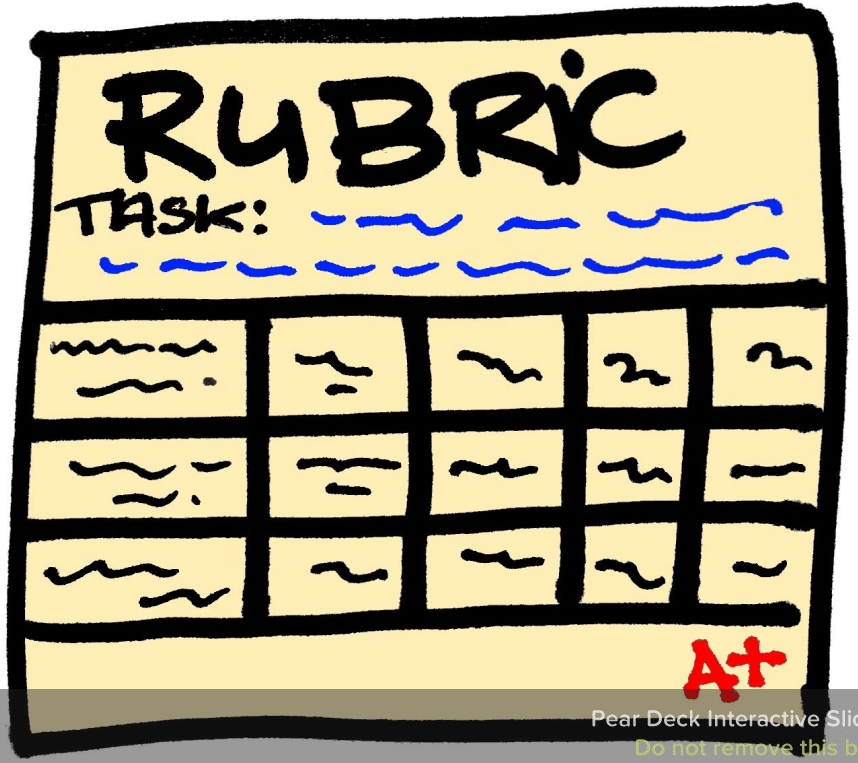
6.) What can we **DO** about it?



Assessing the Assignment

Check out the rubric, self assessment, and checker.

Are there any requirements to add?



Students, write your response!

Pear Deck Interactive Slide
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Additional Resources

Please share links to resources and we will add them to the Wakelet



"And when I'm talking about that I'm learning, not only my learning from you but I'm learning from others. **I feel like I'm also contributing to that teachable moment**. So I'm receiving those teachable moments and I feel like there are times that I can actually participate and **give some of those teachable moments.**" - Caroline

Students, write your response!

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Our2swamp.weebly.com

Questions?



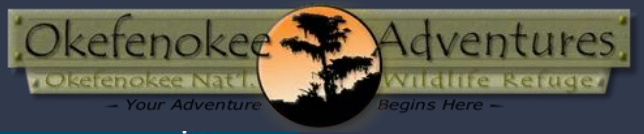
Acknowledgements

We would like to thank our participants and our partners:



eBird









GEORGIA 4-H















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Resources used during this Session

http://bit.ly/watershed-resources

