BUT...
THERE IS ALREADY SUCH A GREAT LAB FOR THAT!
Presenters:

Cindy Moore and Tammy Sullivan
Adjusting:

Classroom

Virtual

Engaged
Objectives

- Redesign Labs
- Demonstrate ways to update Labs
- Share resources and ideas
Challenge
Challenge:

- Many of our labs looked liked this!

Tactile! Discussions! Groupwork!

How do we replicate online?
Activities

Used Google Drawing to deliver online!
Discussion Starters: Zoom Polls, Chat and Kahoot
Teamwork: Desmos
Online activities and interactive calculator/graph
Pandemic Takeaways:

- Stronger collaboration within the Department to share ideas and activities
- Stronger collaboration with colleagues at local and national levels
  - NCMATYC & AMATYC
  - Shared presentation with NSF Grant funded project
- Stronger student appreciation for these opportunities in a synchronous setting
Thank you for your time!

...Any questions, feedback, comments?

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Challenge: Providing Meaningful Feedback

Solution:

Instructors: Grade Using Technology

Students: Scan as PDF

Personalized, handwritten feedback!
Directions for Google Drawings

Step One:
Take screenshots of the activity you want to modify.

Step Two:
In your Google Drive, go to More and open a new Google Drawings.

This is what your screen will look like.

Step Three:
Name your drawing. Click where it says “Untitled Drawing” and type your new name.
Step Four:
Click on File, then go down to the page set-up to change the screen aspect size. Click on Widescreen 16:10 and apply.

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Step Five:
Click on Insert then select Text Box. Add a textbox that covers the working space. Fill the textbox in with a color. This gives the activity a blank background.
**Step Six:**
Insert screenshots of the activity. Create more textboxes for directions, draggable images, etc. This will depend on your activity. For draggable images, format the images to “be on top” or “bring to front”.

Here is an example of a completed lab on google drive.

**Step Seven:**
Create a link to share a copy of the activity with students. You need to click on the Share icon on near the top right.

Change the options so anyone with the link can copy it.
Step Eight:

Copy this link and place it in a new web address.

This is the important part! In the web address, change the highlighted word from “edit”, to “copy”.

Copy this updated link to share with students or post in a learning management system.

When students click on this link, they will be asked to make a copy of the document. If you do not change the word from “edit” to “copy” in the link, students will not be able to work individually and your original activity could be edited by students.

Students should click on the “Make a Copy” and the Google Drawing will open in their drive for them to start working on!

Note: We have them submit a PDF of the activity in our Learning Management System so we can grade and provide feedback. Students click on “File” and then select Export as a PDF to save their completed drawing as a PDF.