# Engaging Hybrid/Online Labs

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PROVIDE A ROADMAP	Notes:
Similar to the first 10-15 minutes of a face to face lab.	Motes.
RESULTS [] ASSESMENTS	
A PICTURE IS [] WORDS Encouraging students to draw increases retention. Meade, Melissa E., et al. "Drawing as an Encoding Tool: Memorial Benefits in	
Younger and Older Adults." Experimental Aging Research, vol. 44, no. 5, 2018, pp. 369–396.	
SMARTPHONE HACKS Smartphones can be used with microscopes	
VERIFICATION Verify participation	
REVIEW Screencast video example	

#### **O.E.R.** Content

VIRTUAL MICROSCOPE AND SEA URCHIN DEVELOPMENT

https://depts.washington.edu/vurchin

- UTAH GENETICS VIRTUAL LABS
  https://learn.genetics.utah.edu/content/labs/
- HHMI BIOINTERACTIVE VIRTUAL LABS

https://www.hhmi.org/biointeractive/explorevirtual-labs

### **NOTES:**

#### **GROUP INTERACTION**

Encourage sharing of results and questions. Define and rotate leaders. Optional synchronous meetings.

#### **MY TOOLS**

- WACOM INTUOS DRAW
  - Drawing tool used to create lecture videos
- SCREENCAST-O-MATIC

Screen-capture tool used for video lecture creation

ONENOTE

Drawing software used to create lecture

## NOTES:

videos