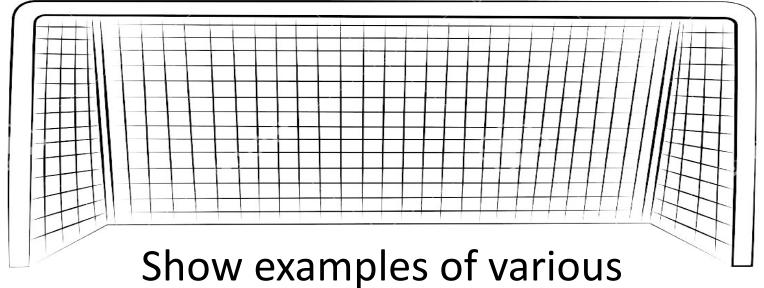
#### @rossbiology



technologies (particularly videos) that enhance active learning



(aka Just Joe, Bio Joe from Fresno...)

- Assistant Professor, Biology, CSU Fresno
- Ed tech & digital pedagogy connoisseur
- Faculty Professional Developer

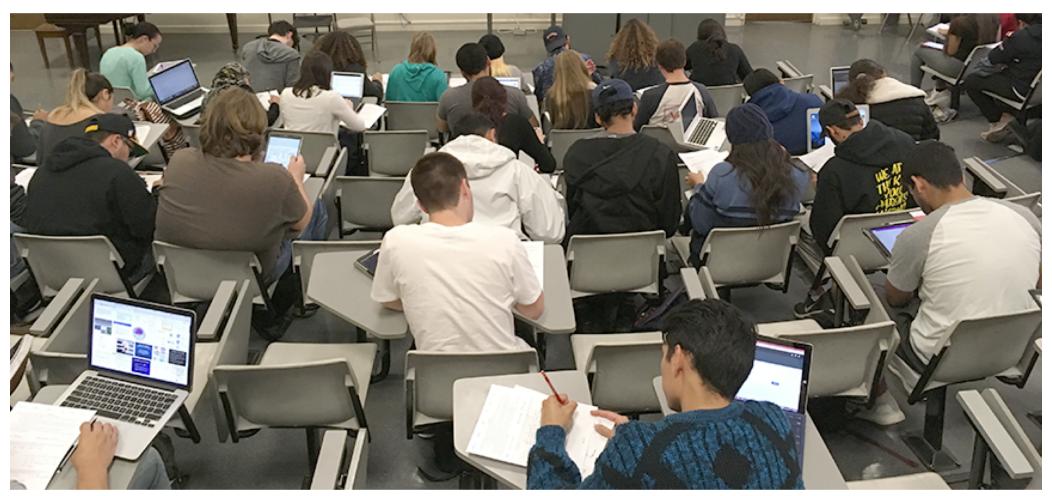


jross@csufresno.edu @rossbiology

tabletpedagogy.blogspot.com youtube.com/c/JosephRoss

rossbiology.com

# I teach tech-infused Jiiddəp classes



BIOL 102 students during an exam

## Pre-Workshop Video



http://vizia.co/videos/c837dd5ab09d49a09d5a47/share

## Class trailer

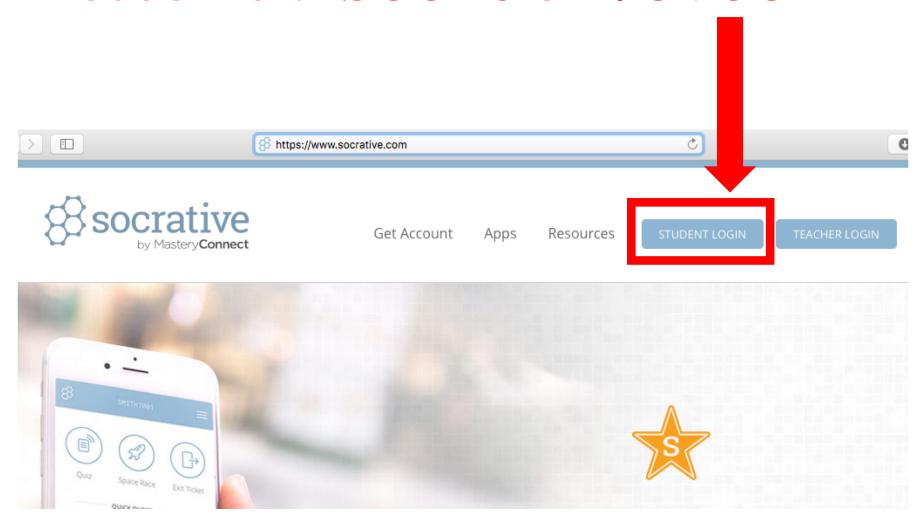
gagement



https://youtu.be/P3bcdAw0mPw

mportance

## Please visit: socrative.com



## Room Name: STEP

SS	ocrative by MasteryConnect
Student Login	
Room Name	
	JOIN
	English ∨

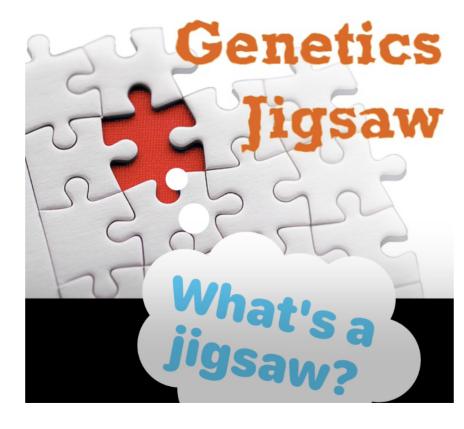
# Discipline-authentic analyses

				9:41 AM			
В	С	D	E	F	G	н	1
	Students						
N	Observed	Expected	Chi Square				
1	17	42.4	=(C4-D4)^2/D4				
2	27	42.4					
3	36	42.4					
4	45	42.4					
5	37	42.4					
6	58	42.4					
7	47	42.4					
8	36	42.4					
9	44	42.4					
10	77	42.4					
	42.4	42.4					
	424	424					
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9							

https://youtu.be/tr9c5jDjgyk



# Video jigsaw activities



https://youtu.be/EW-C6IAU8Iw?t=1m30s

teraction

**gagement** 

# Lecture/office hour/key capture

following sequence using microsatellite
locate a restriction enzyme site within the
ling the name of the enzyme that recognizes that

LATILE
PATATATATATATCGGGATTTTTTTTTCACCACCACCACGGAATTC

ACTAC

MSPI

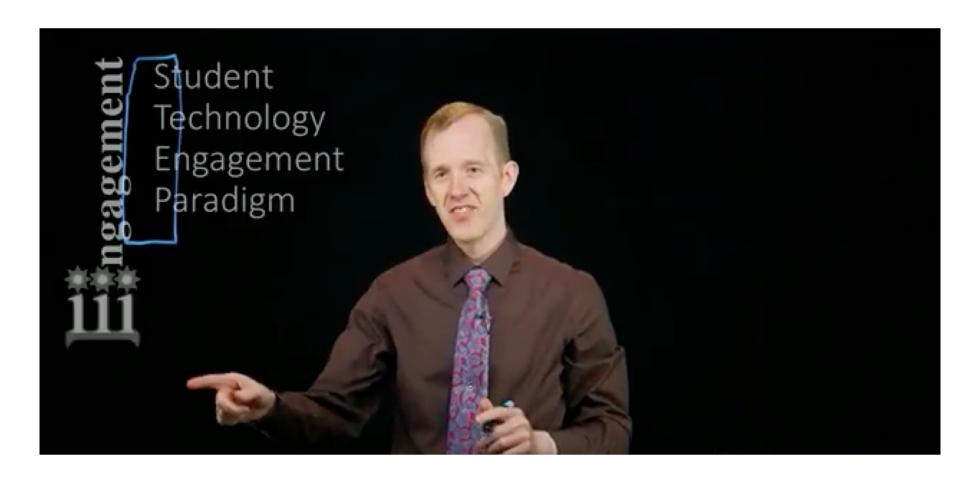
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195. (CX a M les)

https://youtu.be/ePO7FIsrtaA



#### @rossbiology



https://youtu.be/rJpuNUncSys

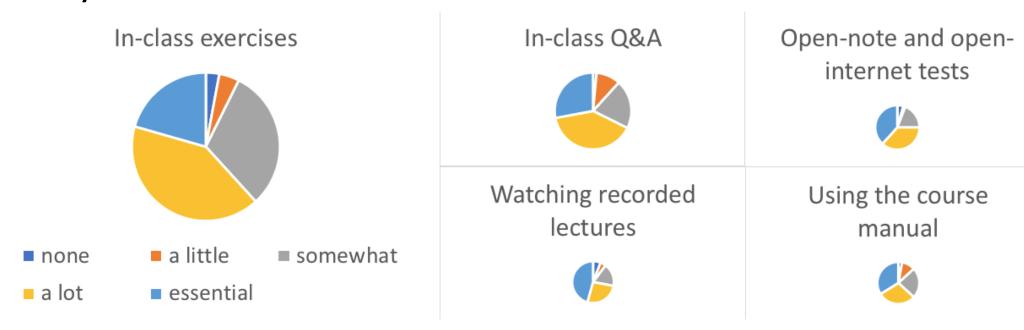
# **Engaging Students with Video**

Video Type	Faculty Tech	Faculty Cost	Deploy	Student Tech
Pre-lecture	Lightboard	Large	YouTube	Web browser
Key / office hour/ lecture capture	ExplainEverything	Free/low	YouTube	Web browser
Trailer	Clips (iOS), or	Free	YouTube	Web browser
Jigsaw	Clips (iOS), or	Free	YouTube	Web browser
Screencast	QuickTime Player	Free	YouTube	Web browser

You can also use free web-based tools to add quizzes, collect free response text, and link to other resources to customize any video you can find on YouTube!

### Student Feedback

How much did each of the following contribute to your success in the course?



## Student Self-Assessment

Compared to your efforts in a typical course, you:

interacted with other students during class periods



■ much less
■ less

■ average

more

much more

interacted outside class



asked questions during class



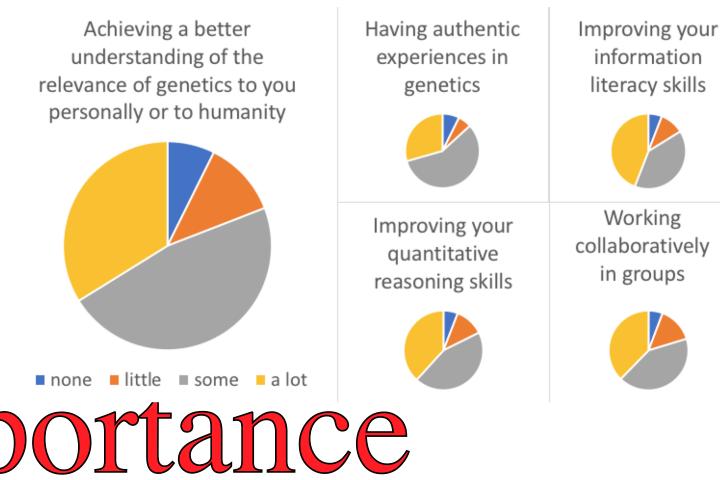




## Student Self-Assessment

agement

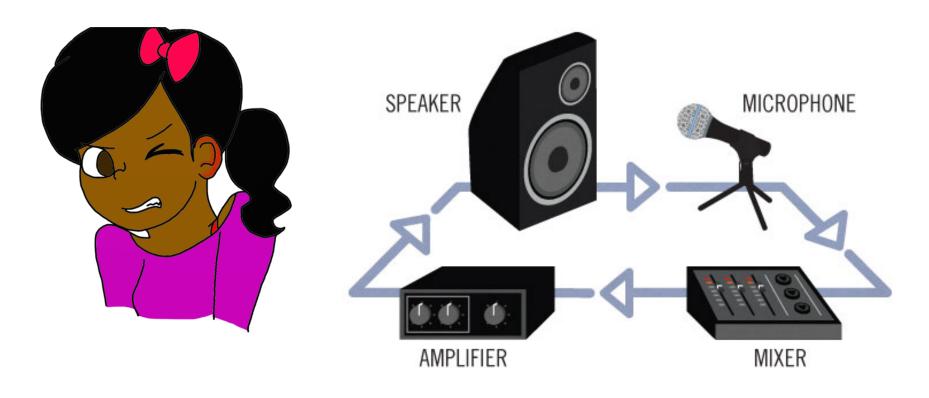
To what extent did access to a tablet computer allow you to grow in the following areas?



## What to do next?

Stay in this room!

"Facilitating Engaging Online Discussions using Google Classroom"



## Feedback

https://goo.gl/3fFsFc

