


Rage Against the Machine

How Classroom Devices Can Help Students Learn

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Nice to meet you!

A little about me ...



Instructional Designer at Teaching & Learning Center at Warrington College of Business since 2013



Instructor (online & onground) since 2003



Researcher on leveraging technology to support learner engagement in blended and online learning environments



Look familiar?

As instructors, why do devices make **us...**



- Potential for distraction
- Hurts academic performance (Carter et al., 2016)

So, why use devices
in the classroom?

Well, devices **are**...

- **Intuitive** – Little-to-no training for instructor or student
- **Ubiquitous** – Almost everyone has one (or **more...**)
- **Portable** – Easy to take learning outside of the box or the classroom
- **Cameras, too** – Advanced multimedia capabilities built right in

“Given students are on their phones constantly, anyway, why not harness it for good?! They appear so happy when they can legally whip out their phones in class.”

PART 1:

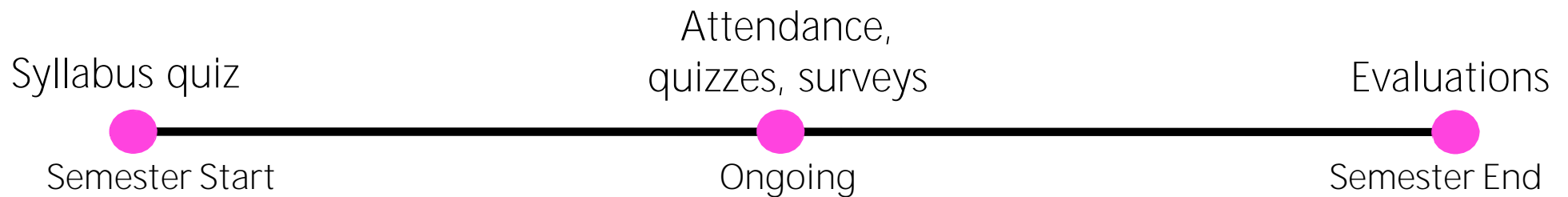
Fostering student learning with

 **socrative** and  **Poll Everywhere**

Polling 101

Polling presents questions or scenarios to students, provides results in real-time, and enables instructors to gauge understanding

How to use polling?



Why it's

- **Free** – No- and low-cost options
- **Easy** – Apps easy to install and use
- **Intuitive** – Quizzes and surveys intuitive to build, use, and reuse
- **Exportable** – Results can be exported and integrated
- **Instant** – Real-time visual feedback

The result...



Increased learning, even at scale





socratic



- Survey or quiz options
 - Multiple choice, true/false, and short answer
 - Rooms for multiple, simultaneous activities (Pro version)
 - Student-paced immediate feedback, student-paced student navigation, and teacher-paced
- Import from another Socrative user or an Excel file
- Various licenses available (free, per instructor)

How it works...

@socrat·ve



Welcome to Socrative!

Enter your teacher's room below

Join Room

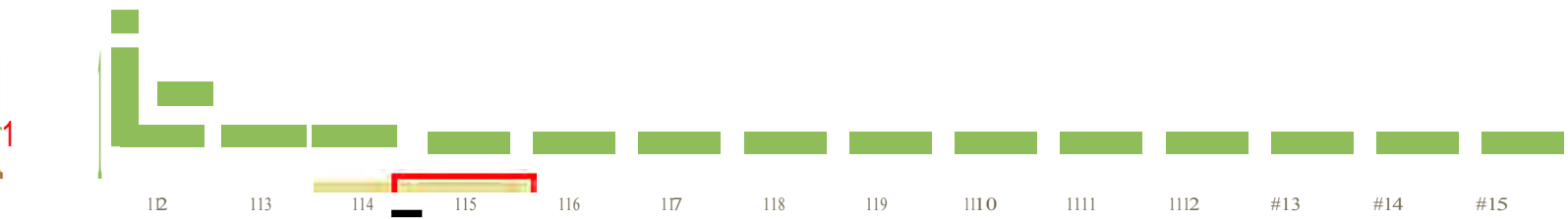


Name

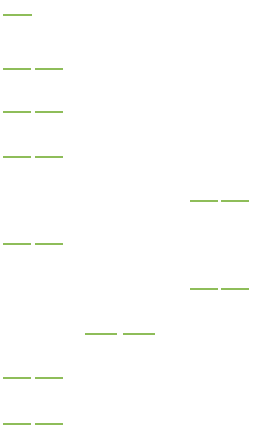
12 113 114 115 116 117 118 119 1110 1111 1112 #13 #14 #15



100%
100%
100%
100%
95%
100%
95%
100%
100%
100%



[Redacted]



89%	C	A	A	B	E	A	E	C	A	D	A	A	B	B	A
63%	C	A	B	B	A	A	E	C	B	C	A	A	A	B	A
89%	C	A	B	B	E	A	E	C	B	D	A	A	A	B	A
100%	C	A	B	B	E	A	E	C	B	D	A	A	B	B	A
Class Total	100%	100%	98%	100%	98%	100%	100%	100%	95%	98%	98%	100%	88%	100%	100%

PREVIOUS

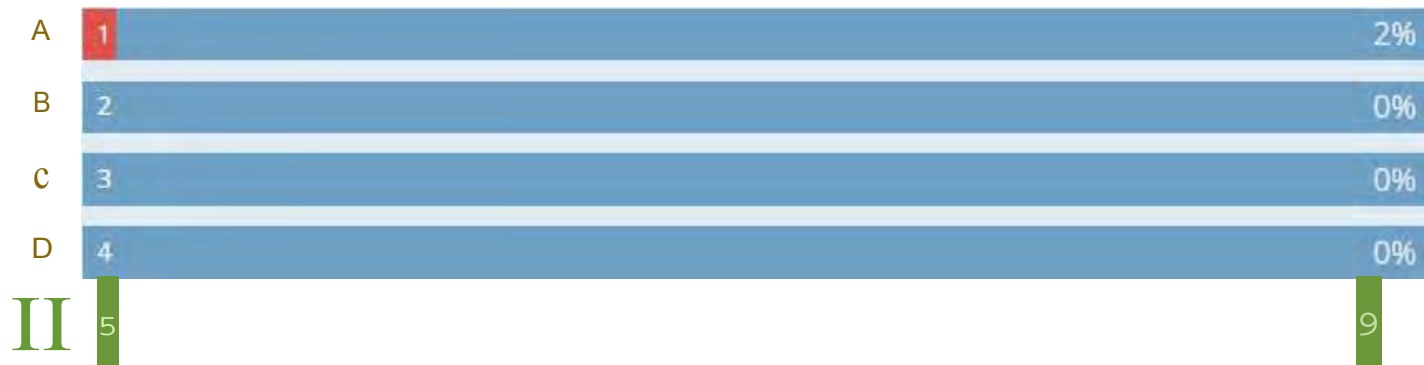
BACK TO RESULTSTABLE

NEXT

#5 There are ___ individual projects deliverables in this class

HOW'D WfDO?

41/41 students answered



Select an option below to end the activity and save the reports.

 Get Reports	 View Chart
--	---

Which report(s) would you like?

Whole Class Excel

Individual Student(s) PDF

Question Specific PDF



How would you like your report(s)?



Email



Download

Google Drive

Case studies

#9

There are makeups available for missed class activities

ANSWER CHOICE

A True

B False

#1

Query#1 on the board

ANSWER CHOICE

Rows, Cols

1Row, Cols

-Rows, 1 Col

D

1Row, 1 Col

#3



Are you having fun?

Correct Answer:

True

False

Now, let's try it out!

1. Navigate to <https://b.socrative.com/login/student/>
 - a. Can also go to www.socrative.com and click the Student Login button
2. For Room Name, enter: **BLEAKNEY**
3. Enter a name, maybe even your name 😊.
4. Participate in the poll!

11 Poll Everywhere



- Survey and quiz options
 - Multiple choice
 - Open-ended (text wall, word cloud, cluster, ticker)
 - Q&A (submit questions, up and down vote)
 - Ranking
 - Clickable image
- Various licenses available (free, per student, instructor per semester)
- Integrates with PowerPoint and Canvas Gradebook

How it works...

Poll Everywhere



Reports



Executive summary

Visual big-picture overview. Shows engagement, total responses and participants, and each poll's screenshot. Useful ROI infographic.



Survey results

One section per participant, one line per question. If a group of questions was used as a survey, use this report to view each participant's responses in order.



Response pivot table

Full detail table with one row per response, perfect for exporting to Excel pivot tables. Useful for grouping, crosstabs, or computing sums and averages.



Participant response history

One section per participant, one line per response. Shows when and how each individual response was submitted.



Gradebook

Compact table with participants listed down the left and questions across the columns. Shows scores, participation, and attendance. Sort by rank to use as a leaderboard.



Segmentation

Flexible crosstab table and chart. Used for team competitions to graph team scores. Also used to group answers by a category, such as 'opinion by gender' or 'sales targets by region'.

Gradebook

- ✔ Correct response
- ✘ Incorrect response
- Incorrect because of no response
- Ungraded response, participation credit only
- No response to ungraded question, no participation credit

Algebra 203 - Spring 2015

Current run (last updated Jun 11, 2015 3:31pm)

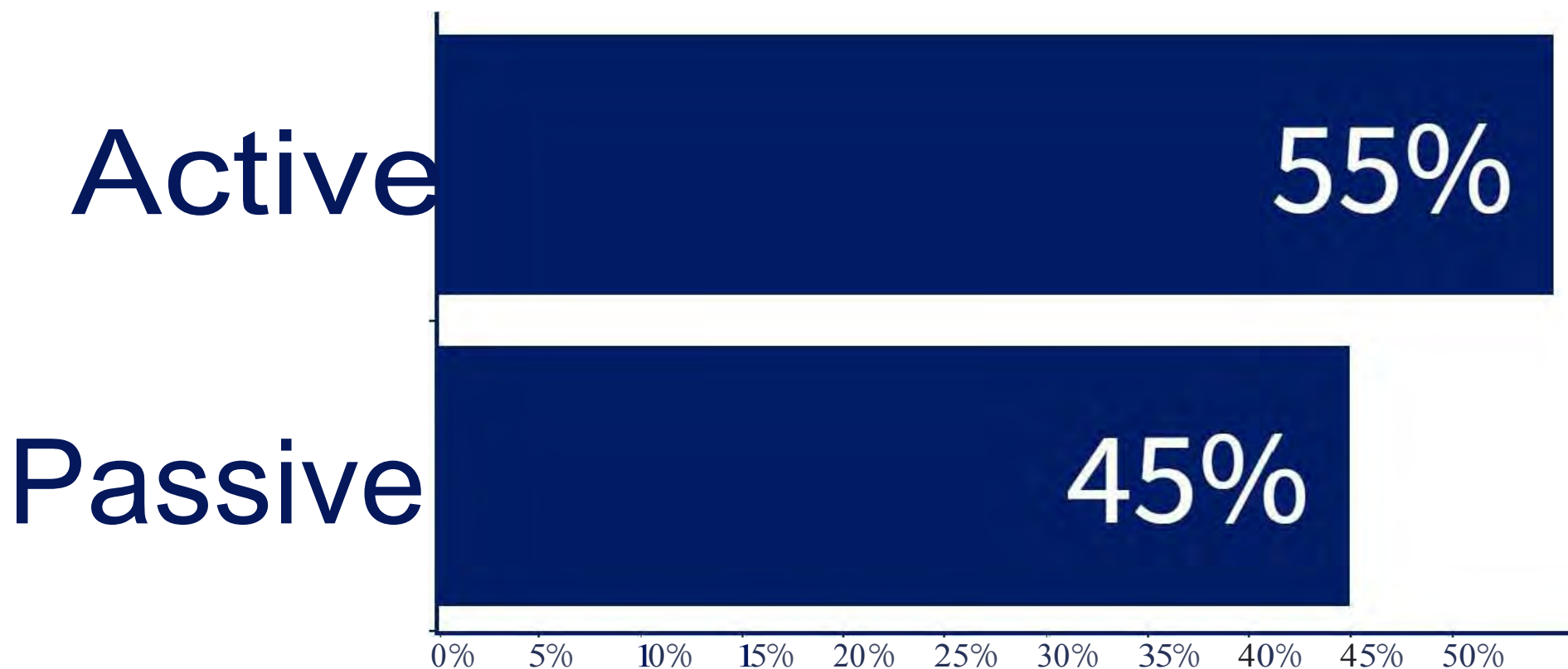
Name	Rank (?)	Participation (?)	Polls											
			1	2	3	4	5	6	7	8	9	10	11	
Susan Tucker	1	40%	○	○	○	✔	●	○	○	○	○	○	○	○
Tammy Medina	2	97%	○	○	●	○	○	○	○	○	○	○	○	○
Ryan Griffin	3	30%	○	✔	○	○	●	○	○	○	○	○	○	○
Brian Thompson	4	36%	○	○	○	○	○	○	○	○	○	○	○	✔
Lori Chavez	5	98%	○	○	○	○	●	✔	○	○	○	○	○	○
Victoria Powell	6	7%	○	○	○	○	○	○	○	○	✔	○	○	○
Jason Spencer	7	36%	○	○	●	○	○	○	○	○	○	○	○	○
Nancy Brewer	8	27%	✔	○	○	○	○	○	○	○	○	○	○	○
Julia Wright	9	34%	○	○	●	○	○	○	○	✔	○	○	○	○
Amanda Owens	10	43%	○	○	○	○	●	○	○	○	○	○	○	○
Andrea Barnett	11	66%	○	○	○	✔	○	○	○	○	○	○	○	○
Linda Fields	12	99%	○	○	○	✔	○	○	○	○	○	○	○	○
Doris Grant	13	42%	○	✔	○	○	○	○	○	○	○	○	○	○
Randy Bowman	14	55%	✔	○	○	○	○	○	○	○	○	○	○	○
Janice Nguyen	15	30%	○	○	○	○	○	○	○	○	○	○	○	✔

Can integrate with 

Case studies

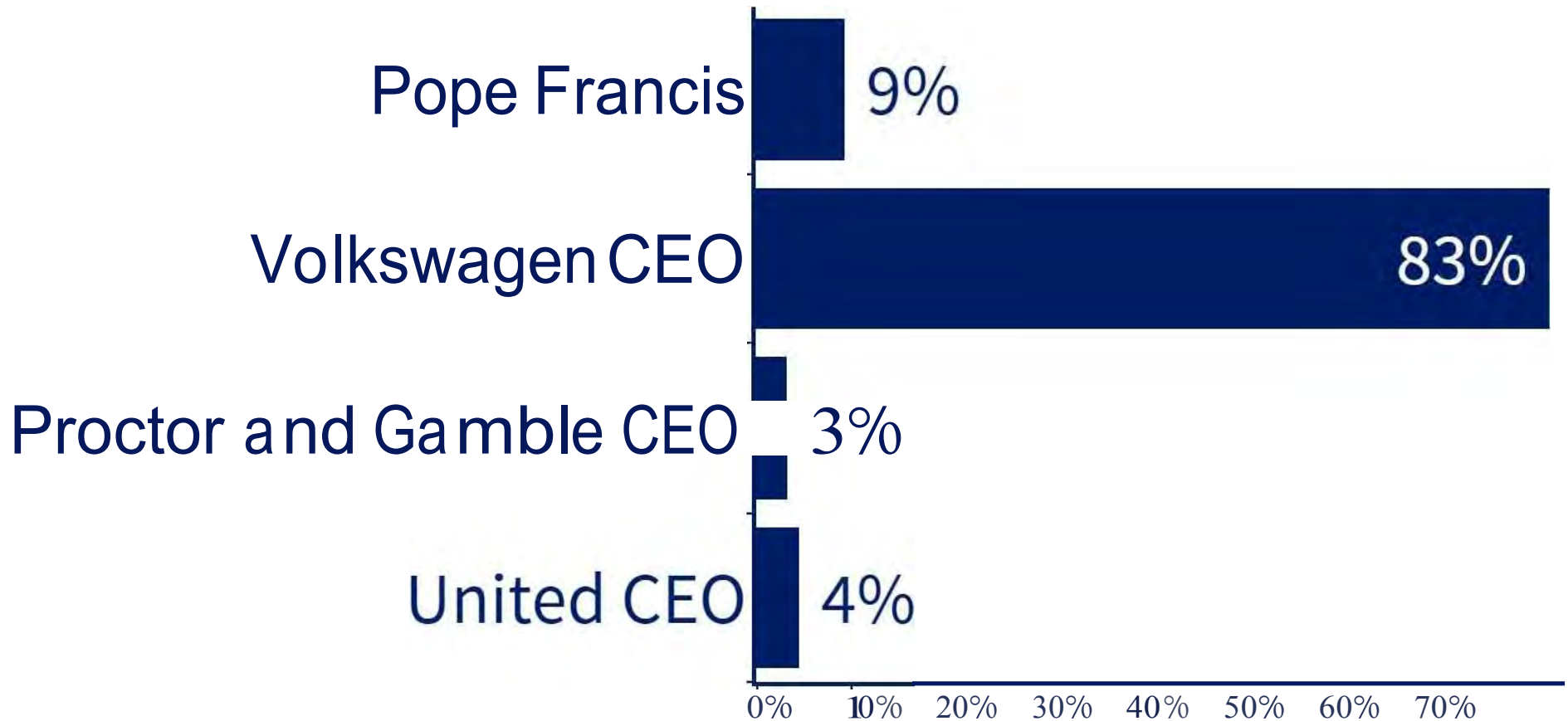
Active or Passive? The status report was not completed because the marketing data were misplaced

if When poll is active, respond at PollEv.com/fionabarnes178 D_{Text}FIONABARNES178to22333once to join



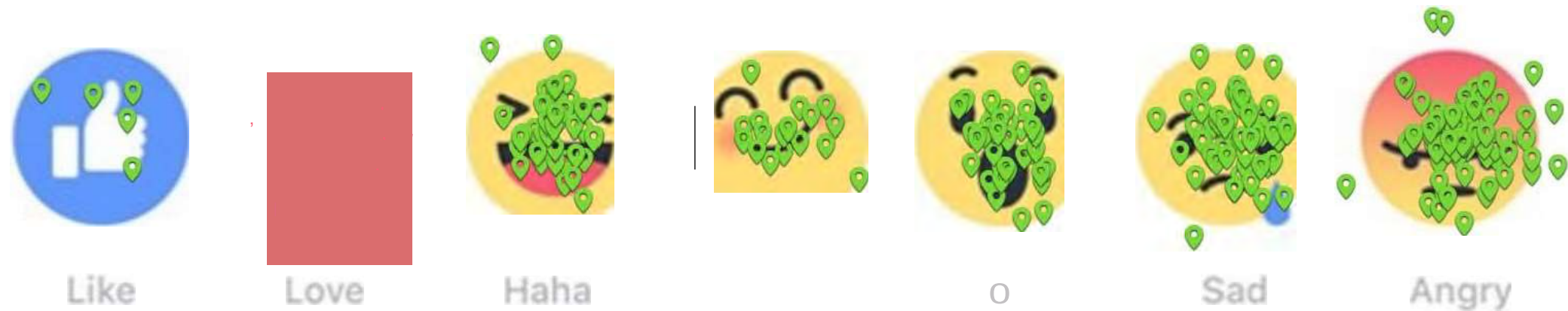
Which of the following people apologized publicly recently?

When poll is active, respond at [Pollevo.com/fiona_barnes178](https://www.pollevo.com/fiona_barnes178)




Select the emoji that best sums up your feelings about the mid-term exam:

When poll is active, respond at [PollEv.com/fionabarnes178](https://www.pollEv.com/fionabarnes178)



Now, let's try it out!



Your poll will show here




1

Install the app from pollev.com/app

2

Make sure you are in Slide Show mode

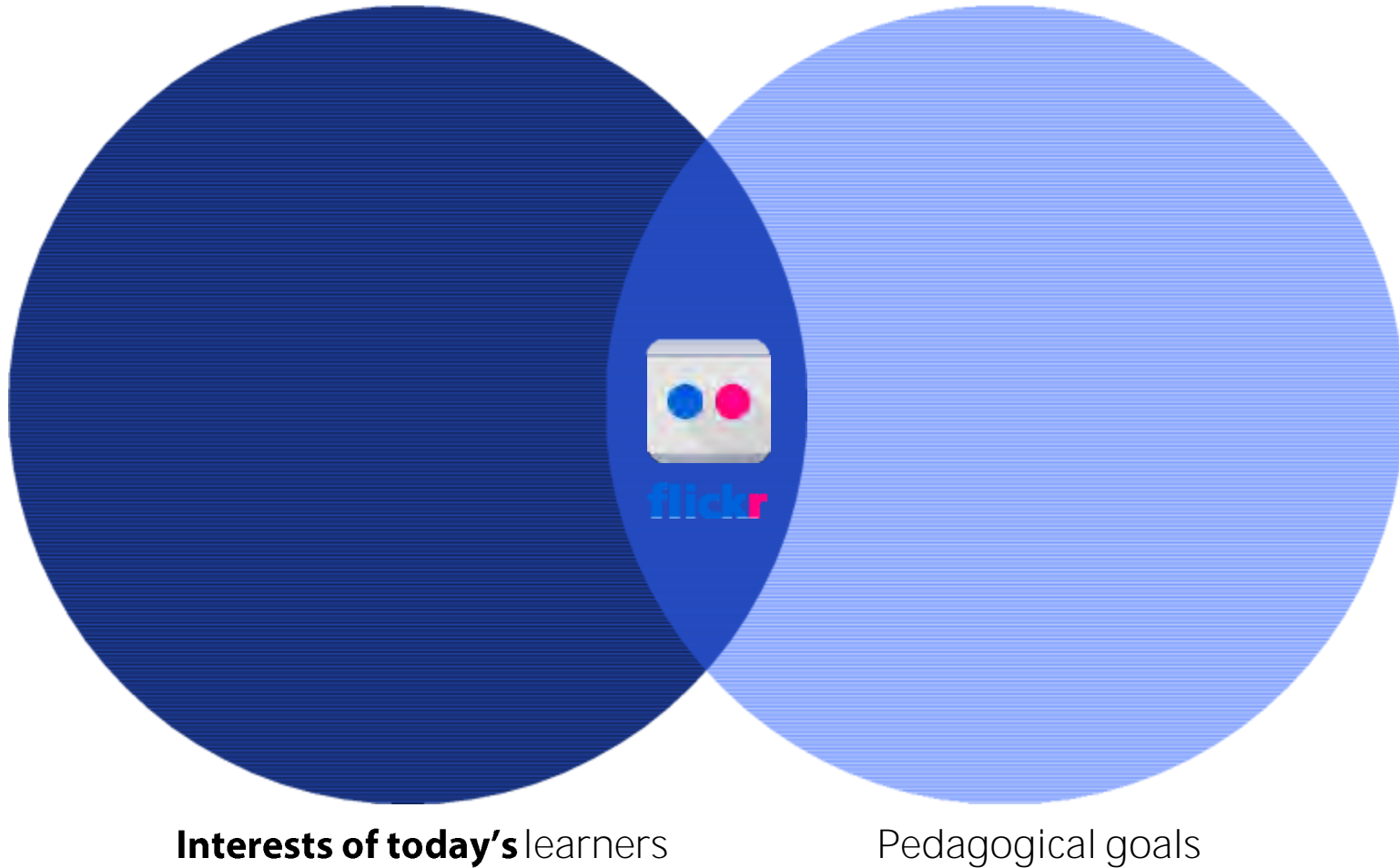
Still not working? Get help at pollev.com/app/help
or
[Open poll in your web browser](#)



PART 2:

Fostering student learning with
flickr photostream

Why bring photos into classroom activities?

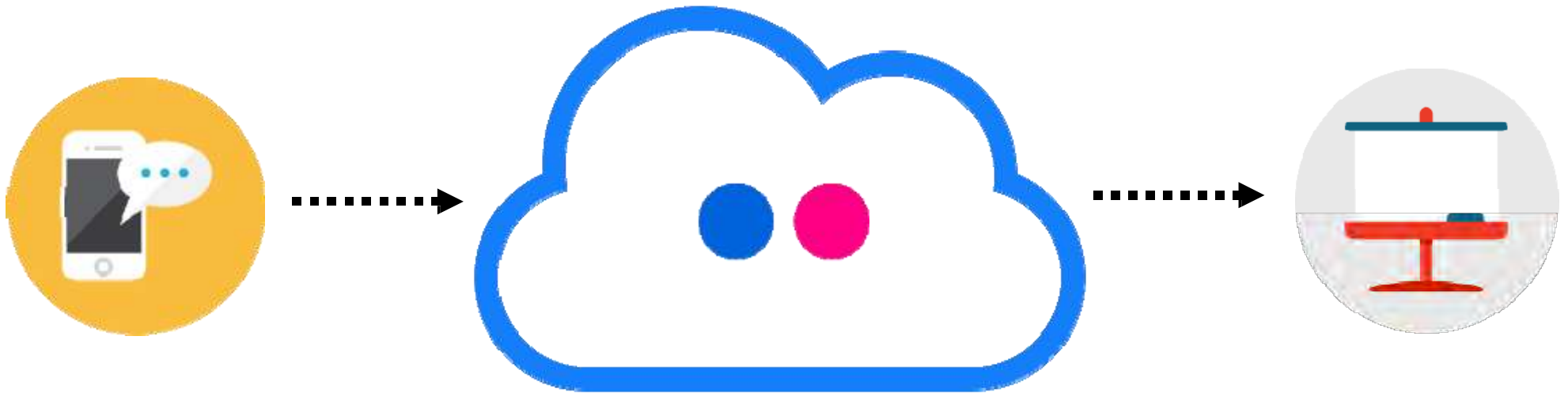


A classical marble sculpture of a man, likely a figure of grief or despair, with his hand covering his face. The sculpture is set against a solid blue background. The text "The problem..." is overlaid in white on the upper part of the image.

The problem...

Photo-sharing via Canvas or email = clunky

A new approach: Flickr's Upload by Email



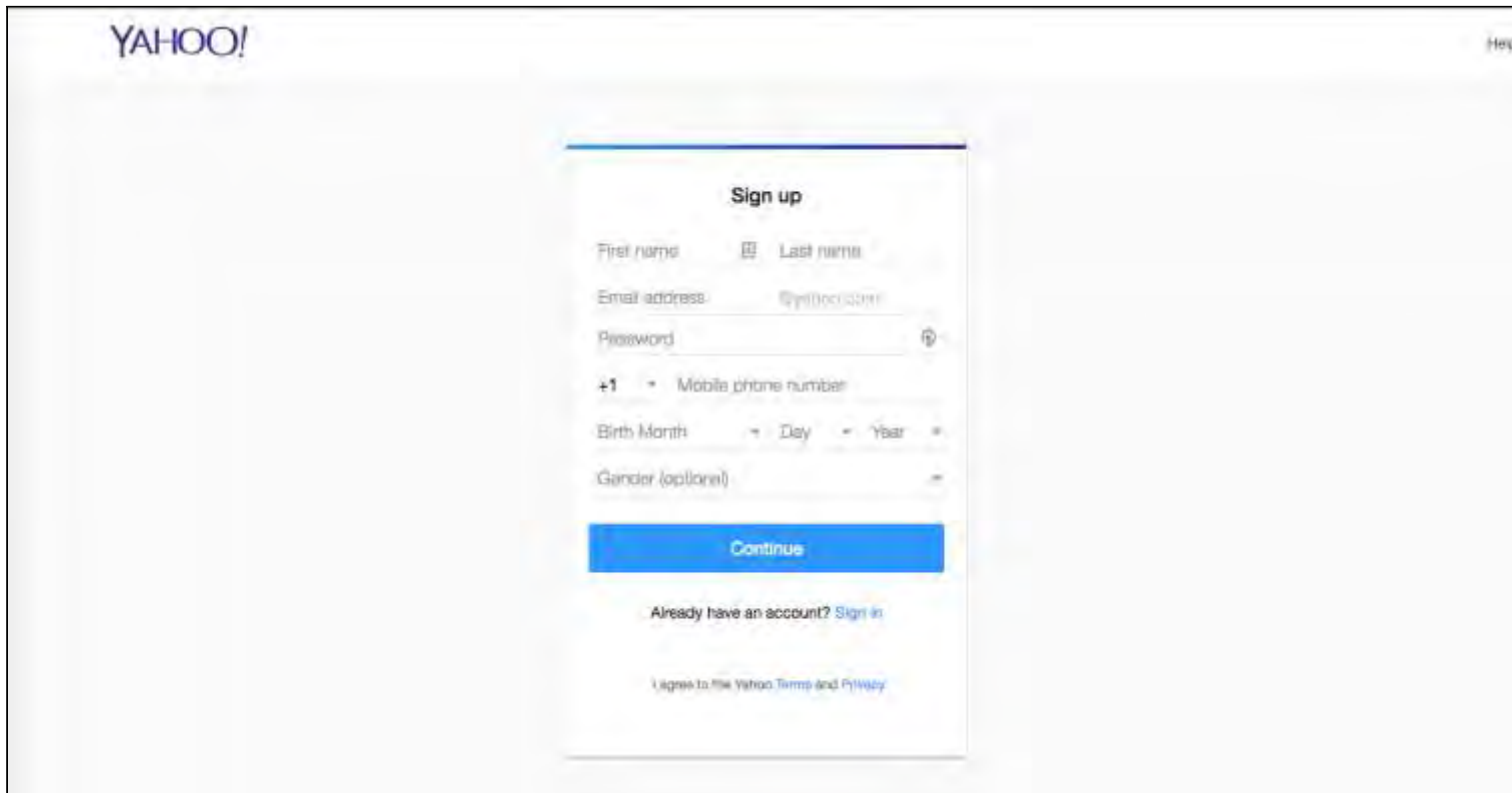
Post pictures and videos to a photostream by sending an email to a unique Flickr email address

Why it's

- **Fast** – Streamlined submission (saves time & clicking!)
- **Fun** – Encourages multi-modal approaches to activities (fun!)
- **Engaging** – Facilitates whole-class discussion, interaction, and reflection (no more huddling!)
- **Sticky** – Facilitates connections between class meetings (deeper thinking! no siloing!)
- **Organized** – Creates a repository of a whole semester's submissions (one location with dates and tags! albums for events/semesters!)
- **Free** – **Seriously, it's free** (freeeeeeee!)

How it works...

Before class ...



The image shows a screenshot of the Yahoo! sign-up page. The page features the 'YAHOO!' logo in the top left corner and a 'Help' link in the top right corner. The main content is a 'Sign up' form with the following fields and options:

- Sign up** (Form title)
- First name** and **Last name** (Text input fields)
- Email address** (Text input field with a '@yahoo.com' placeholder)
- Password** (Text input field with a strength indicator icon)
- +1** (Country code dropdown) and **Mobile phone number** (Text input field)
- Birth Month** (Dropdown), **Day** (Dropdown), and **Year** (Dropdown)
- Gender (optional)** (Dropdown)
- Continue** (Blue button)
- Already have an account? Sign in** (Link)
- I agree to the Yahoo! Terms and Privacy** (Link)

1. Sign up for a Yahoo account.

During class...

You

—

1. Sign in to Flickr.
2. Share the photostream Upload by Email address with students.

Students —

1. Take a picture or video.
2. Email the photo or video to the Upload by Email address.
3. (Um, there is no step 3.)

Now, let's try it out!



Email a selfie to born43land@photos.flickr.com

Nuts & bolts

As the photostream owner, you can ...



Manage privacy (open vs. closed photostream)



Organize using tags (course activity or assignment)



Refresh email address (after activity or end of semester)

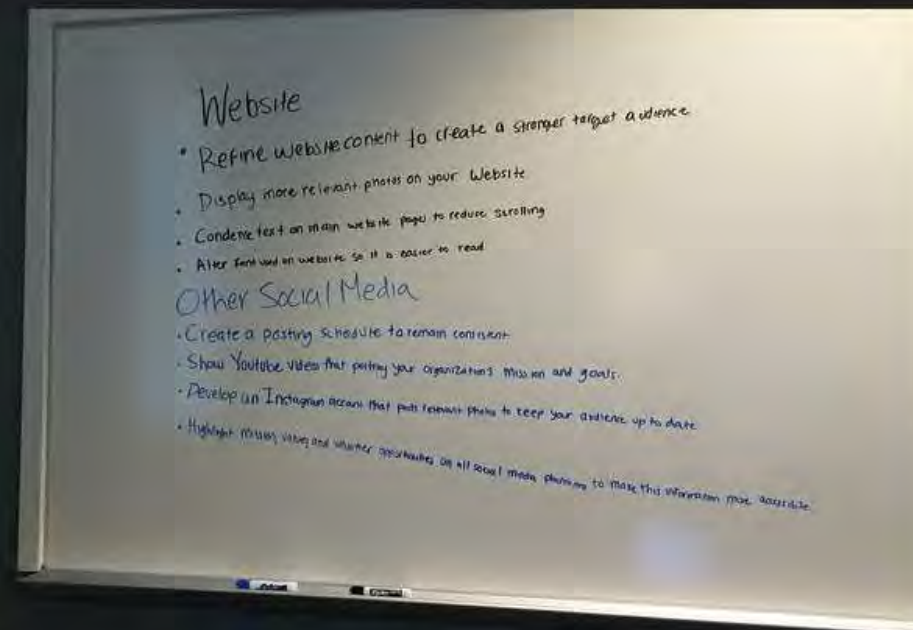


Archive photos in Albums (after activity or end of semester)

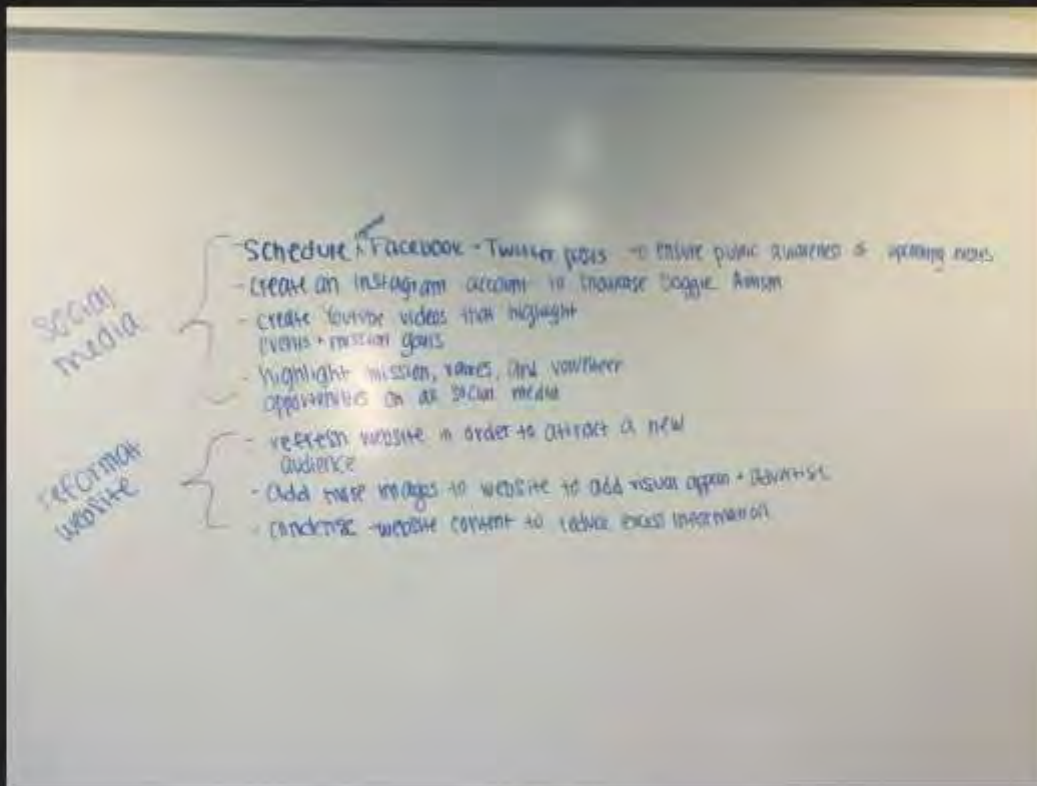
Case studies



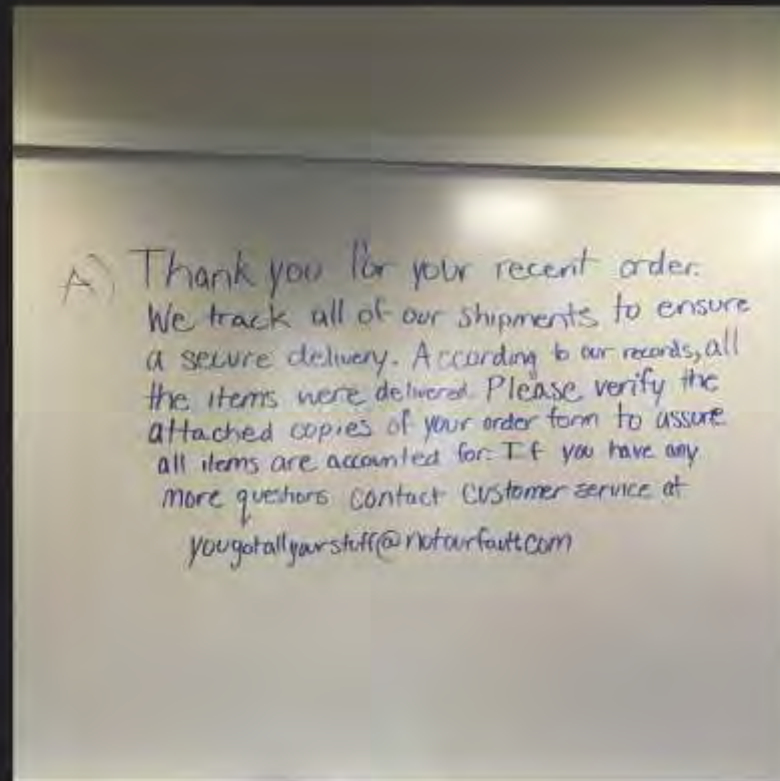
← Back to photostream



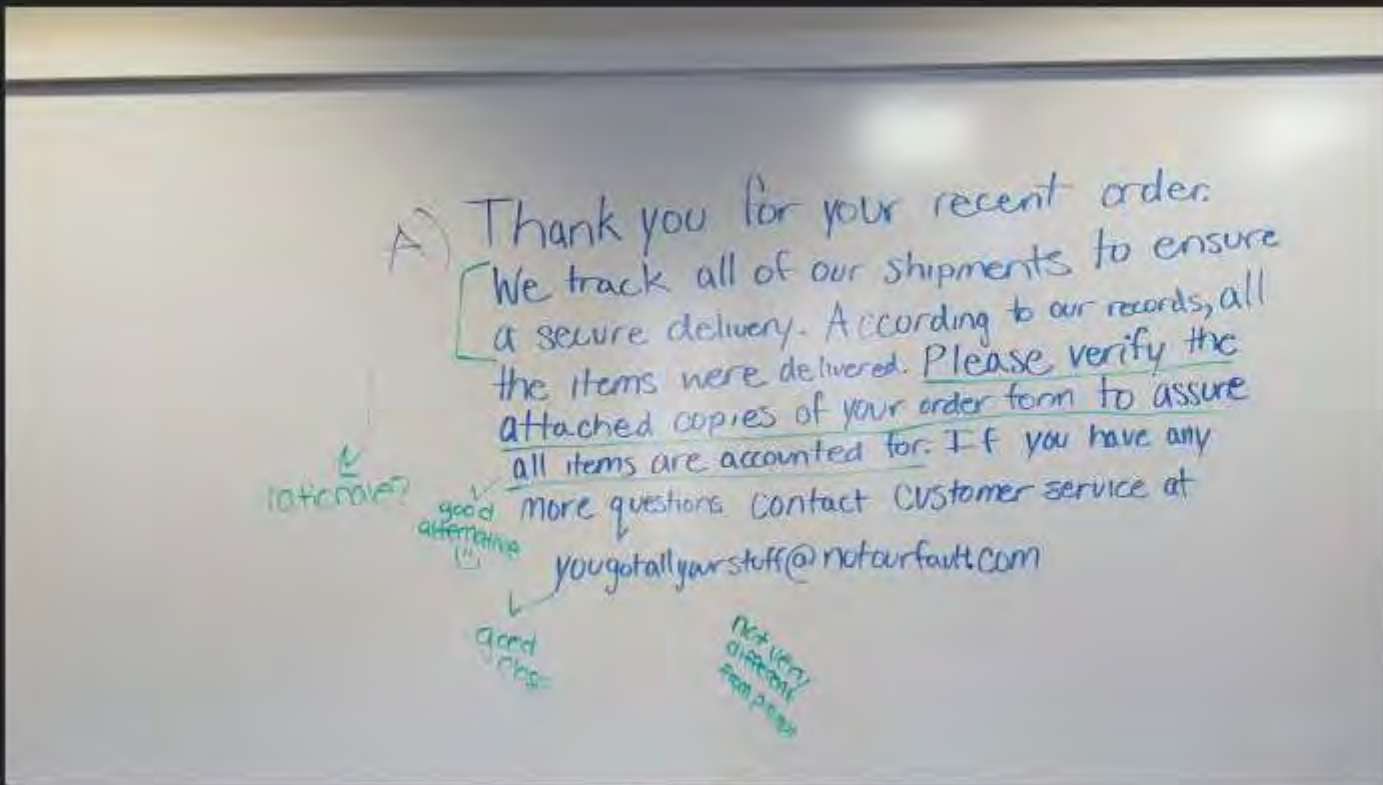
Drafting



Drafting



Peer review



Peer review



Brainstorming



Scavenger hunt



Scavenger hunt

PART 3:

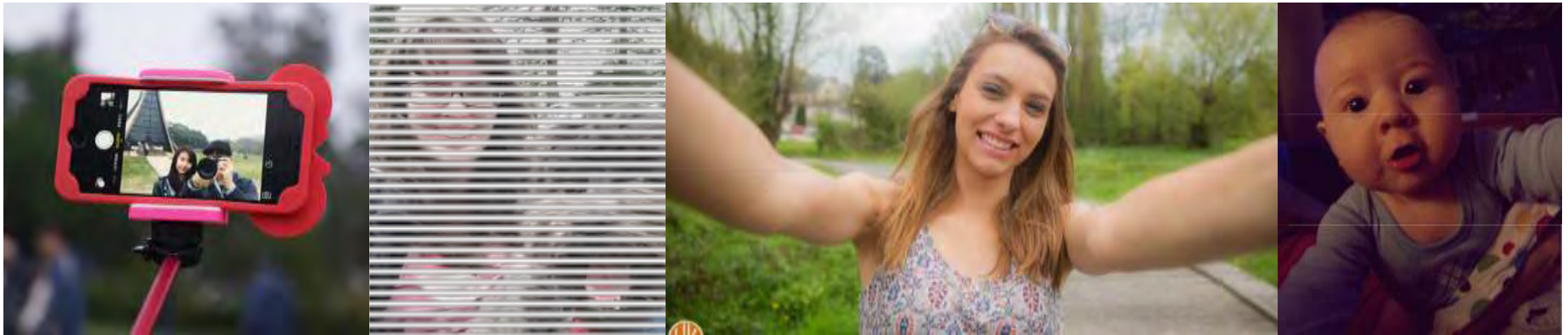
Fostering student learning with



TL;DR Selfies

A **selfie** is a picture you take of yourself, usually with a device, and often share on social media.

Common selfie scenarios...





But, they have no place in the classroom, right?

Think again!

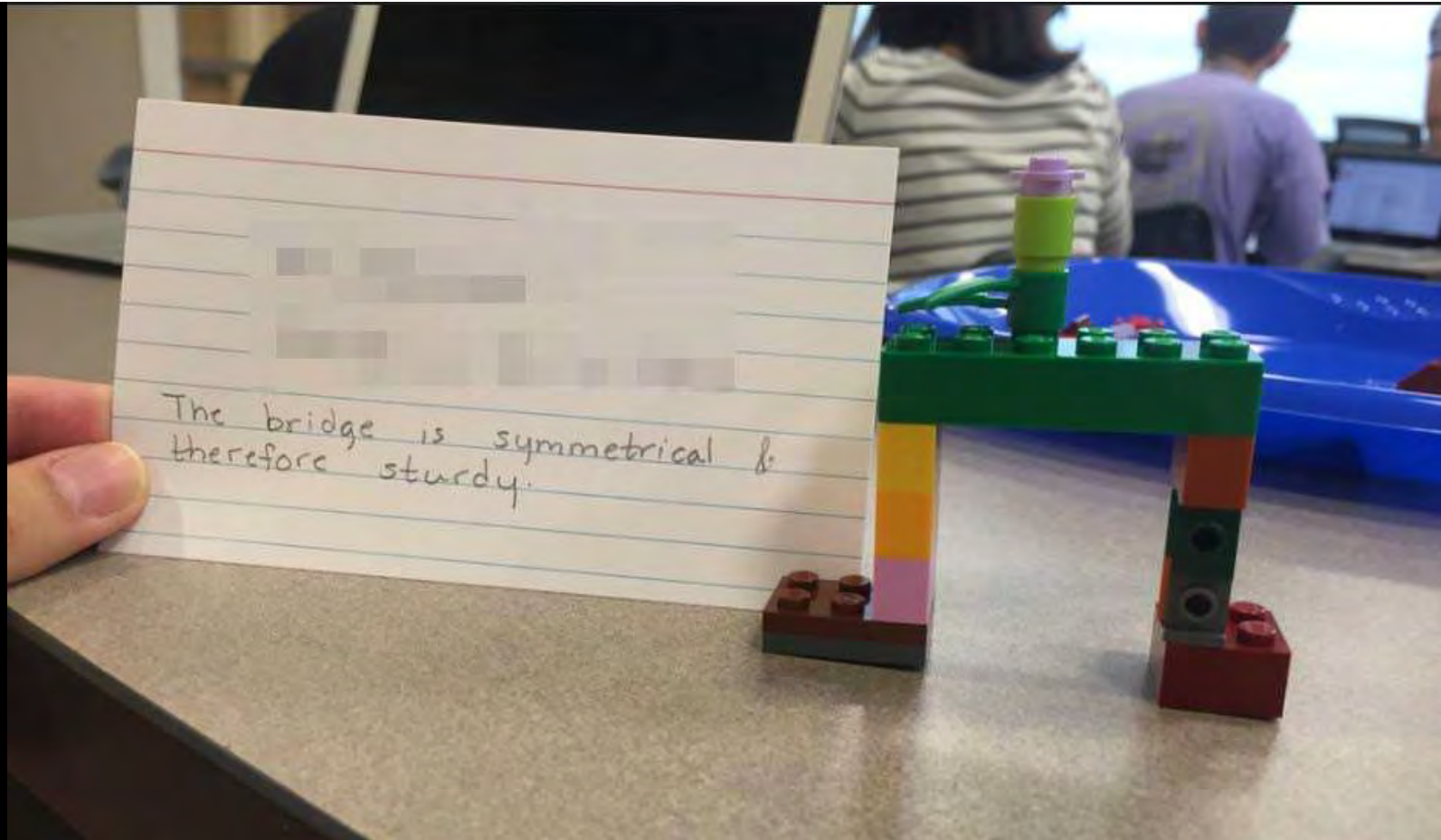
Why it's

- **Second nature** – High fluency in capturing a moment on camera
- **Fun** – Shakes things up and encourages creativity
- **Easy** – No special training or equipment needed
- **Flexible** – Enables multi-modal approaches to assignments and activities

Case studies



Attendance



Attendance



Attendance



Attendance

Question 1**0 pts**

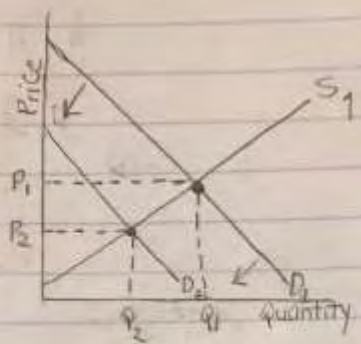
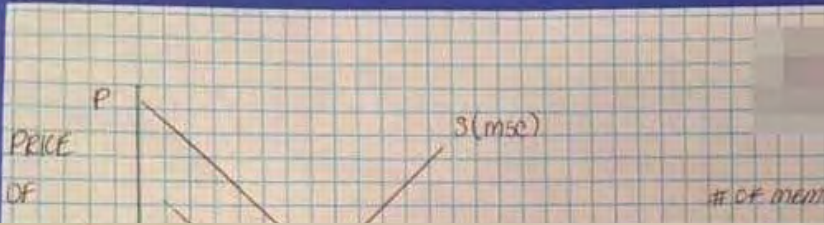
DRAM (memory) chips are used in PCs but not in smartphones or tablets. I found the following comment on the Internet about the market for DRAM chips: "IHS iSuppli predicts poor PC sales as consumers migrate to the more trendy smartphones and tablets."

Draw a diagram to illustrate the impact this change has on the price and quantity of DRAM chips. Be sure to LEGIBLY label the axes, label all curves, label the initial equilibrium, the new equilibrium, and tell what happens to the price and quantity.

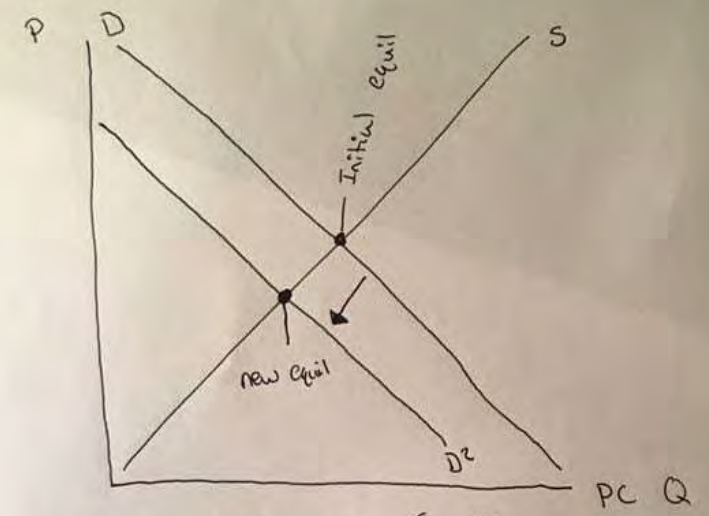
Be sure to also include both your name and UFID with the diagram. Using your web camera, smartphone, tablet, or other device, take a picture of your diagram and upload it below. You will have 20 minutes to complete and submit your extra credit submission. Your submission must be submitted by Tuesday, October 11 at 11:59PM.

Upload

Exam extra credit



- AS MORE CONSUMERS PURCHASE SMARTPHONES AND TABLETS, THE SUPPLY FOR DRAM CHIPS DECREASES AS THEY ARE NOT INCLUDED IN SMARTPHONES OR TABLETS.



Demand decreases for PC which lowers the price and decreases the equilibrium quantity. Because DRAM are used in the production of PC only this will directly affect there sales and price. Some way it has

Exam extra credit

Okay, let's see those selfies!





Questions, comments & ideas?

