Rage Against the Machine
How Classroom Devices Can Help Students Learn

Sarah Bleakney, PhD
Instructional Designer & Instructor
Teaching & Learning Center | Warrington College of Business
@SarahBleakney
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)

or

(or both)

?
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?

- Syllabus quiz
- Attendance, quizzes, surveys
- Evaluations

Semester Start — Ongoing — Semester End
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
• 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...
Welcome to Socrative!
<table>
<thead>
<tr>
<th>Name</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
<th>#13</th>
<th>#14</th>
<th>#15</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>100%</th>
<th>100%</th>
<th>100%</th>
<th>100%</th>
<th>100%</th>
<th>100%</th>
<th>100%</th>
<th>100%</th>
<th>100%</th>
<th>100%</th>
<th>100%</th>
<th>100%</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th>C</th>
<th>A</th>
<th>A</th>
<th>B</th>
<th>B</th>
<th>E</th>
<th>A</th>
<th>A</th>
<th>E</th>
<th>C</th>
<th>A</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>99%</td>
<td>C</td>
<td>A</td>
<td>B</td>
<td>C</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>B</td>
<td>B</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>89%</td>
<td>C</td>
<td>A</td>
<td>B</td>
<td>B</td>
<td>E</td>
<td>A</td>
<td>E</td>
<td>C</td>
<td>B</td>
<td>D</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>63%</td>
<td>C</td>
<td>A</td>
<td>B</td>
<td>B</td>
<td>B</td>
<td>E</td>
<td>A</td>
<td>E</td>
<td>C</td>
<td>B</td>
<td>D</td>
<td>A</td>
</tr>
<tr>
<td>Class Total</td>
<td>100%</td>
<td>100%</td>
<td>98%</td>
<td>100%</td>
<td>98%</td>
<td>100%</td>
<td>100%</td>
<td>95%</td>
<td>98%</td>
<td>98%</td>
<td>100%</td>
<td>88%</td>
</tr>
</tbody>
</table>
#5 There are ___ individual projects deliverables in this class

**HOW'D WE DO?** 41/41 students answered

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Select an option below to end the activity and save the reports.

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
Case studies
There are makeups available for missed class activities.

**ANSWER CHOICE**

<table>
<thead>
<tr>
<th>A</th>
<th>True</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>False</td>
</tr>
</tbody>
</table>
#1

Query #1 on the board

**ANSWER CHOICE**

- **A** Rows, Cols
- **B** 1 Row, 1 Col
- **C** -Rows, 1 Col
- **D** 1 Row, 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/](https://b.socrative.com/login/student/)
   a. Can also go to [www.socrative.com](http://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!
• 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...
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

Can integrate with 🌟
Case studies
Active or Passive? The status report was not completed because the marketing data were misplaced.

When the poll is active, respond at PollEv.com/fiona.barnes178 or text FIONABARNESI78 to 22333 once to join.

- Active: 55%
- Passive: 45%
Which of the following people apologized publicly recently?

- Pope Francis: 9%
- Volkswagen CEO: 83%
- Proctor and Gamble CEO: 3%
- United CEO: 4%

When poll is active, respond at PollEv.com/fiona barnessl78
Select the emoji that best sums up your feelings about the mid-term exam:

When poll is active, respond at PollEv.com/fiona bannes178
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?

- Interests of today’s learners
- Pedagogical goals
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 …

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
Website

- Refine website content to create a stronger audience.
- Display some relevant posts on your website.
- Connect with other websites through guest posting.
- Use local SEO techniques to be found more easily.

Other Social Media

- Create a posting schedule to remain consistent.
- Share YouTube videos that align with your organization’s mission and goals.
- Develop an Instagram theme that fits your brand and keep your audience up-to-date.
- Highlight other blogs using the "related" or "recommended" feature to drive engagement and share content.
Drafting

- Schedule: Facebook, Twitter posts to drive plane withheld & upcoming news.
- Create Instagram account to showcase bogie & cabin.
- Create feature videos that highlight events & mission goals.
- Highlight mission, values, and volunteer opportunities on all social media.
- Restate website in order to attract a new audience.
- Overlay main images on website to add visual appeal & draw attention.
- Continue working on website to update existing information.
A) Thank you for your recent order. We track all of our shipments to ensure a secure delivery. According to our records, all the items were delivered. Please verify the attached copies of your order form to assure all items are accounted for. If you have any more questions, contact Customer Service at yougetallyourstuff@notourfault.com
Thank you for your recent order. We track all of our shipments to ensure a secure delivery. According to our records, all the items were delivered. Please verify the attached copies of your order form to assure all items are accounted for. If you have any more questions, contact Customer Service at yougofullyyourstuff@notourfault.com.
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
The bridge is symmetrical & therefore sturdy.
Attendance
Attendance
Question 1

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.
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 chips are used in the production of PCs only this will directly affect their sales and not entire category it has.
Okay, let’s see those selfies!
Questions, comments & ideas?