

*Effective formative  
assessments using  
Socratic*

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Slides, links, etc.:

[v.gd/ccell](https://v.gd/ccell)

Assessment using in-  
class response systems

# What are in-class response systems?

- Student respond to questions during class
- Instructor accesses responses in real time
- Can be used for frequent, low-stakes testing

23文法第2週6日目 - Mon Nov 16 2015

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Click on Question #s or Class Total %s for a detailed question view

# Frequent testing

- Not standardized testing
- Not high stakes or lengthy
- Has been shown to improve recall (e.g., Pennebaker, Gosling, & Ferrell, 2013; Roediger & Karpicke, 2006)
- Can help reduce achievement gaps among students of varied socioeconomic background (Pennebaker et al., 2013)

# Why is frequent testing effective?

- Students remember and retrieve information → Reinforced/elaborated connections in brain
- Amount-of-processing hypothesis (Dempster, 1996, 1997; Roediger & Karpicke, 2006)
- Retrieval hypothesis (Dempster, 1996, 1997; Glover, 1989; Roediger & Karpicke, 2006)

# Why is frequent testing effective?

- Spaced practice/retrieval effect (e.g., Balota, Duchek, & Logan, 2007; Bjork 1994, 1999; Cull, 2000)
- Spaced practice (including testing) is more effective than massed practice (e.g., cramming before a test) for long-term performance/recall

# Why is frequent testing effective?

- Feedback is provided regularly →  
Students can adjust their learning strategies before it's too late
- Provides structure requiring students to study and attend class on a regular basis →  
Improved study skills

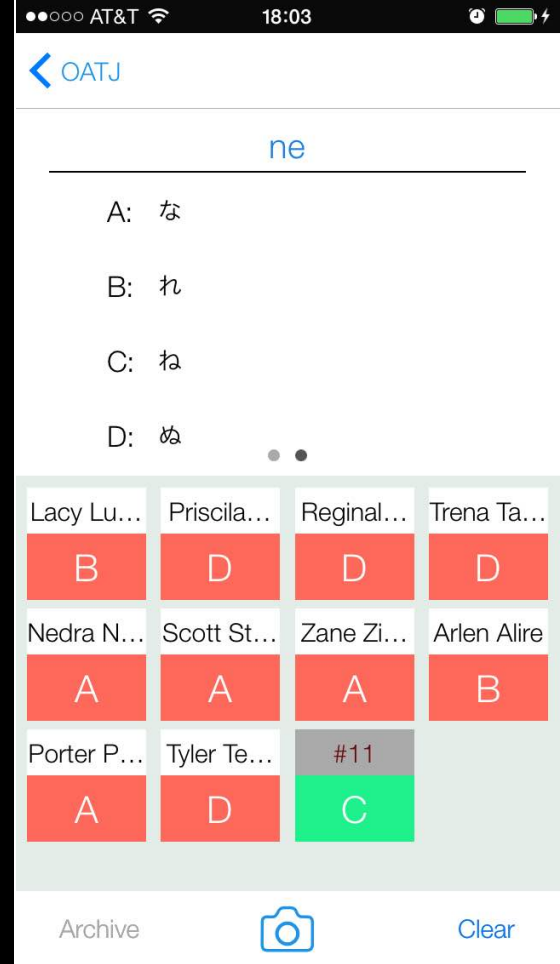
# Why use technology tools for testing?

- Provide feedback in more timely fashion
- Some feedback can be provided automatically, saving teacher time
- Save time distributing/collecting tests in class



# Tools for frequent testing

- Socrative
- Plickers



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Socrative

- [b.socrative.com](https://b.socrative.com)
- Room: BLAV

# Quick question

- What is the most interesting tool you learned about today?

# Socratic: Exit Ticket

1. How well did you understand today's material?
  1. Totally got it
  2. Pretty well
  3. Not very well
  4. Not at all
2. What did you learn in today's class? (short answer)
3. Please answer the teacher's question. (short answer)

# Socrative: Exit Ticket

- Question 3:  
Do you have the technology necessary to use Socrative in your classroom? If so, what do you have available? If not, what is one possible solution?

# Your turn

- Create account on Socrative
- Start creating quiz questions
- Consider how you would incorporate this tool into your teaching
  - Low stakes, frequent testing?
  - Occasional games?
  - Polling/surveying?
  - Exit tickets/taking temperature?