1. Go to: http://LearningCatalytics.com/demo

2. Enter requested info

3. Join session 35714024
Using Learning Catalytics to Facilitate an Active Classroom

Mastering Leadership Conference
Tucson, AZ, 25 February 2017
feedback
1 lecture 2 PI 3 PI 2.0

1993
1 lecture  2 PI  3 PI 2.0
technology
How do I...

• design good questions?
• optimize the discussions?
• manage time?
Use intelligent algorithms and data analytics to...

• improve questioning
• manage discussions
• facilitate time management/flow
1. Lecture

2. PI

3. PI 2.0

2. The biggest factor that leads American companies to manufacture their products overseas in India is:
   a. Higher quality of craftsmanship
   b. Lower labor costs
   c. Decreased transportation costs
   d. Effective legal systems

3. Which of the following correctly summarizes the accounting equation for a sole proprietorship?
   a. Assets = Liabilities + Owners’ equity
   b. Liabilities = Assets + Owners’ equity
   c. Owner’s equity = Assets + Liabilities
   d. Revenue = Assets – Liabilities

4. In order to present a business plan to a group of potential investors, a businessperson would most likely use which of the following:
   a. Powerpoint
   b. Quickbooks
   c. Peoplesoft
   d. Excel

5. In order to start an online business, an individual would need all but which of the following:
   A. Business model
1. A 30-year fixed rate mortgage at 12%?
2. A 15-year fixed rate mortgage at 12%?
3. A 15-year fixed rate mortgage at 12%?

2. The biggest factor that leads American companies to manufacture their products overseas is:
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extensible plug-in architecture for question types
Sample question types:

- direction
- mathematical expression
- long answer, short answer, word cloud
- numerical, data collection
- ranking, priority
- region (select point on image)
- sketch, composite sketch
- highlight passage
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This image shows Oahu as seen from the Space Shuttle. The image provides several clues about the direction of prevailing winds in Oahu. Indicate this direction by drawing an arrow on your screen.
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Light enters horizontally into the combination of two perpendicular mirrors as shown below.

Indicate the direction of the incident light after it reflects off of both mirrors.
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1. lecture

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- sketch, composite sketch
- highlight passage
If $2x - y = 4$, then $x =$
Sample question types:

- direction
- mathematical expression
- long answer, short answer, word cloud
- numerical, data collection
- ranking, priority
- region (select point on image)
- sketch, composite sketch
- highlight passage
This is a graph of $f(x) = \ln x$. Sketch a graph of the derivative $f'(x)$. 
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***PART ABOUT TIME/FLOW MANAGEMENT***
human interaction
A positively charged rod is held near a neutral conducting sphere as illustrated below. A positively charged particle is moved from point A to point B at constant speed. The potential difference from A to B is

A. positive
B. zero
C. negative
D. depends on the path taken from A to B
E. cannot be determined without knowing more about the polarization induced in the sphere.
A positively charged rod is held near a neutral conducting sphere as illustrated below. A positively charged particle is moved from point A to point B at constant speed. The potential difference from A to B is:

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let system manage pairing
A positively charged rod is held near a neutral conducting sphere as illustrated below. A positively charged particle is moved from point A to point B at constant speed. The mechanical work required to cause this motion is
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Please discuss your response with:

- Brian Lukoff (to your left)
A bar chart showing the percentage of people changing their answer from initially incorrect to initially correct when self-pairing. The chart indicates a significant increase in correct answers when initially incorrect, with a lesser increase when initially correct.
percent changing answer

- initially incorrect
- initially correct

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<th>algorithm 2</th>
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1  education
2  PI
3  PI 2.0
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1 lecture
2 PI
3 PI 2.0
Education is not just about:

• transferring information

• getting students to do what we do
Education is not just about:

- transferring information
- getting students to do what we do

*discovery & exploration a must!*
Learning Catalytics:

• implement proven, researched pedagogy
Learning Catalytics:

- implement proven, researched pedagogy
- use consumer devices
Learning Catalytics:

- implement proven, researched pedagogy
- use consumer devices
- avoid pitfalls of MC assessment
Learning Catalytics:

- implement proven, researched pedagogy
- use consumer devices
- avoid pitfalls of MC assessment
- create a smart classroom anywhere
not technology, but pedagogy matters