1. Go to http://LCatalytics.com

2a. If you have instructor account: Log in, click "Student view"

2b. Otherwise: Create student account with signup code DEMO

3. Join session 1234567

Confessions of a converted lecturer



Lucia Mar Unified School District Arroyo Grande, CA, 19 August 2013

Confessions of a converted lecturer





Think of something you are good at

1 lcatalytics.com



create student account



Now think how you became good at it



1 lcatalytics.com

2

create student account











education





better pay attention!



2 PI



What happens in a lecture?













some people talk in their sleep

lecturers talk while other people are sleeping

(Albert Camus)











not transfer but assimilation of information is key

















education



1. transfer of information







1. transfer of information

2. assimilation of that information





1. transfer of information (in class)

2. assimilation of that information





1. transfer of information (in class)

2. assimilation of that information (out of class)





Should focus on THIS!

1. transfer of information (I)

2. assimilation of that information (out of class)





1. transfer of information (in class)

2. assimilation of that information (out of class)





1. transfer of information (out of class)

2. assimilation of that information (in class)





1. transfer of information (out of class)

2. assimilation of that information (in class)


































thermal expansion

























When the plate is uniformly heated, the diameter of the hole

- 1. increases.
- 2. stays the same.
- 3. decreases.







When the plate is uniformly heated, the diameter of the hole

1. increases 2. atavisthe same. B. accesses





When the plate is uniformly heated, the diameter of the hole

- 1. increases.
- 2. stays the same.
- 3. decreases.











You...





You...

1. made a commitment





You...

- 1. made a commitment
- 2. externalized your answer





You...

- 1. made a commitment
- 2. externalized your answer
- 3. moved from the answer/fact to reasoning





You...

- 1. made a commitment
- 2. externalized your answer
- 3. moved from the answer/fact to reasoning
- 4. became emotionally invested in the learning process

D



When the plate is uniformly heated, the diameter of the hole

- 1. increases.
- 2. stays the same.
- 3. decreases.







When the plate is uniformly heated, the diameter of the hole

- 1. increases. V
- 2. stays the same.
- 3. decreases.

















Sec. 2

























PeerInstruction.net

feedback

















































Use intelligent algorithms and data analytics to...

- improve questioning
 - manage discussions
 - facilitate time management/flow







catalytics








1 lcatalytics.com



create student account



learning catalytics

Courses Participate Review Classrooms Account Institutions Purchases Users Tour Help

4. direction This image shows Oahu as seen from the Space Shuttle. The image provides several clues about the direction of <u>Deliver</u> Show all results prevailing winds in Oahu. Indicate this direction by drawing an arrow on your screen.







e ⊮^a out

learning catalytics



A N

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optics	i								current ses	sion: 766079	69 students
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		J	ump to 🔻 🛛 1	2 3	4 5 6	7 8 9	10	11	12 13 14	15	Þ

4. direction Light enters horizontally into the combination of two perpendicular mirrors as shown below.

📼 Deliver 👔 Show all results



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









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A 12

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If 2x - y = 4, then x =























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This is a graph of $f(x) = \ln x$. Sketch a graph of the derivative f'(x).









A KA



A KA













human interaction





















let system manage pairing





CA

C

A

A

A C

AA













 \times



CA

C

A

A

A C



2

P

PI 2.0 3

 \times

А

A

А

C

A

A

А

А

A A

CA

CB

CIC



education





implement proven, researched pedagogy







implement proven, researched pedagogy

use consumer devices







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







- implement proven, researched pedagogy
- use consumer devices
- avoid pitfalls of MC assessment
- create a smart classroom anywhere







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National Science Foundation

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