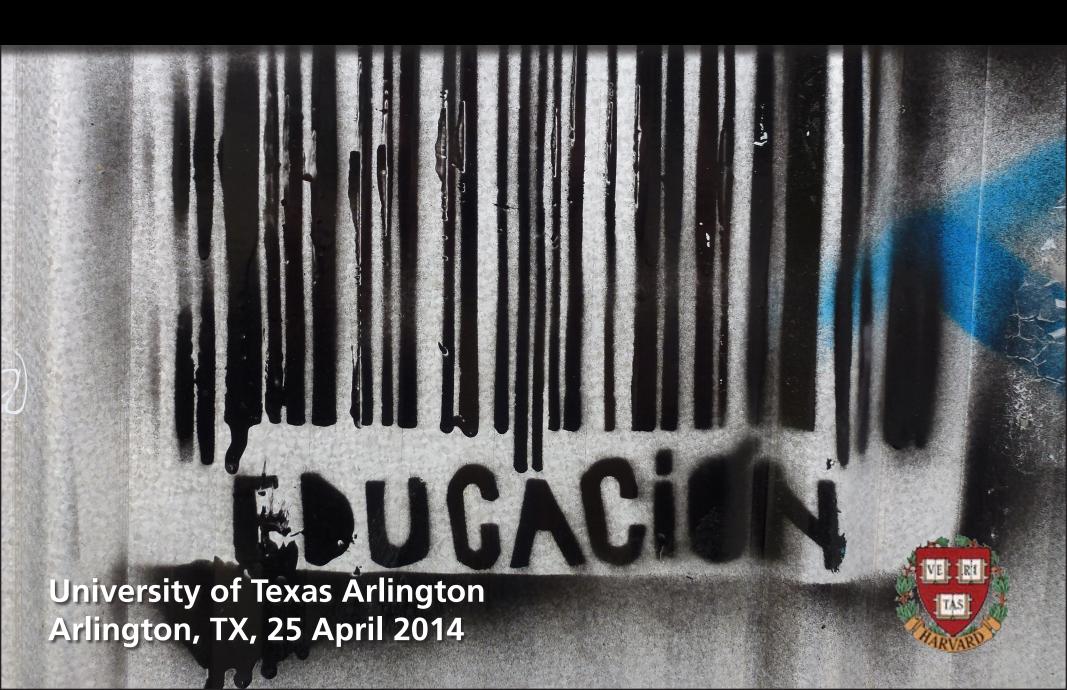
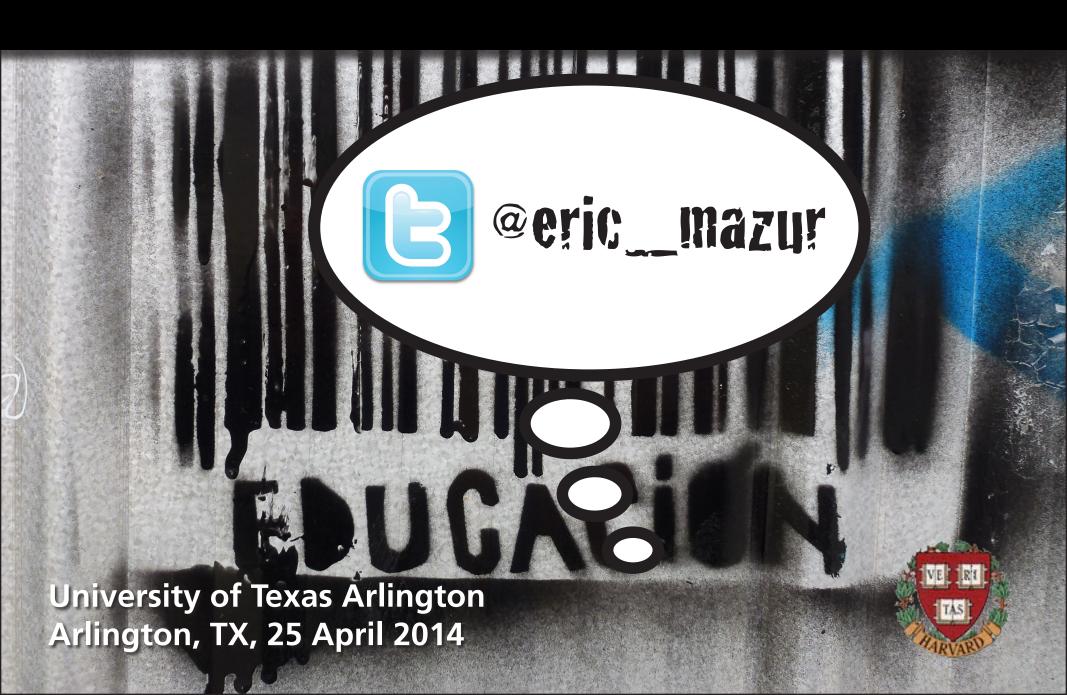
Confessions of a converted lecturer





Confessions of a converted lecturer







- no ON/OFF button
- only last "click" counts
- display shows recorded answer

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Think of something you are good at

Think of something you are good at

How did you become good at this?

Became good at it by:

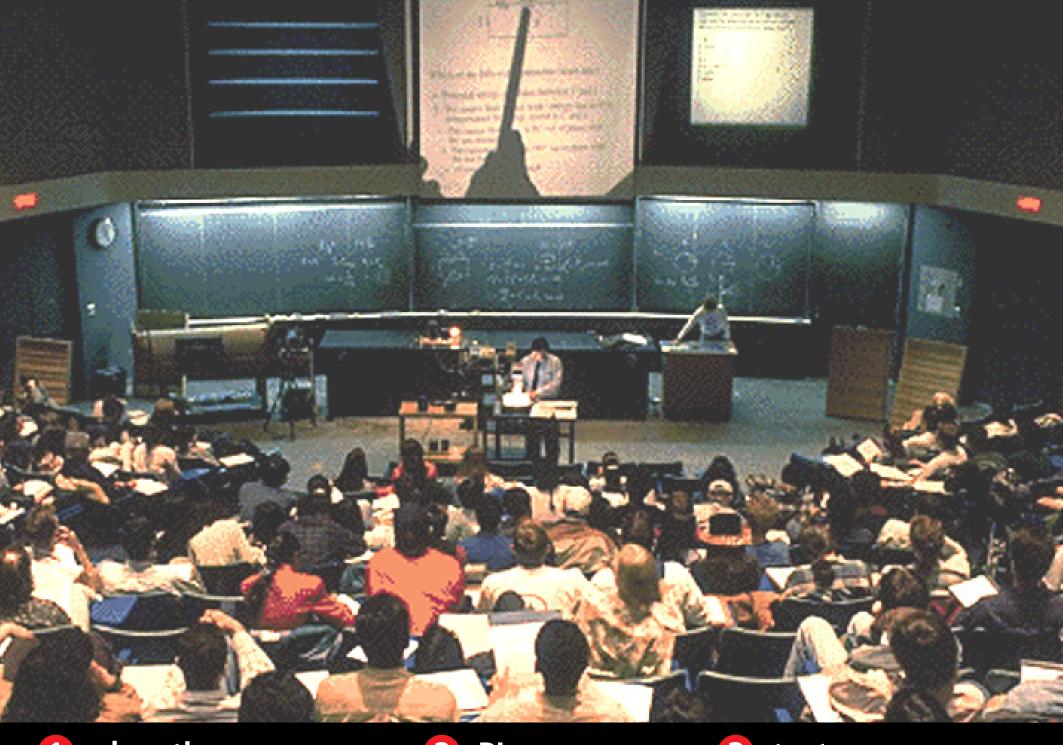
- 1. trial and error
- 2. lectures
- 3. practicing
- 4. apprenticeship
- 5. other











2

PI

3

test



2 P

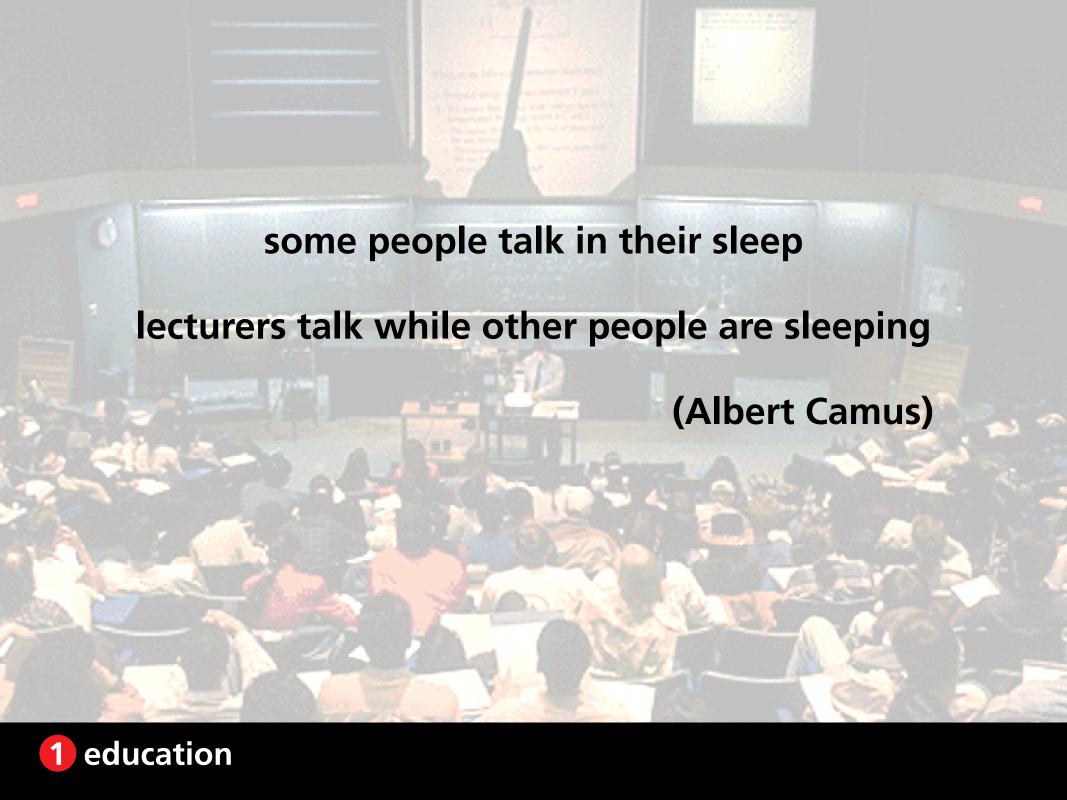
3

test

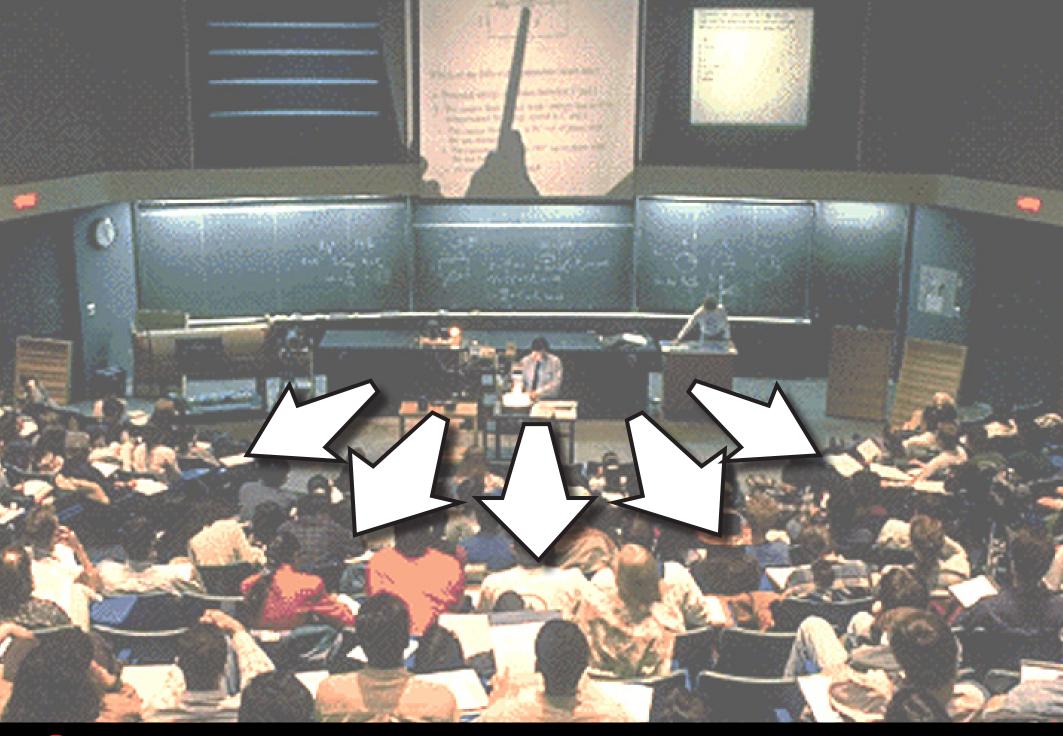


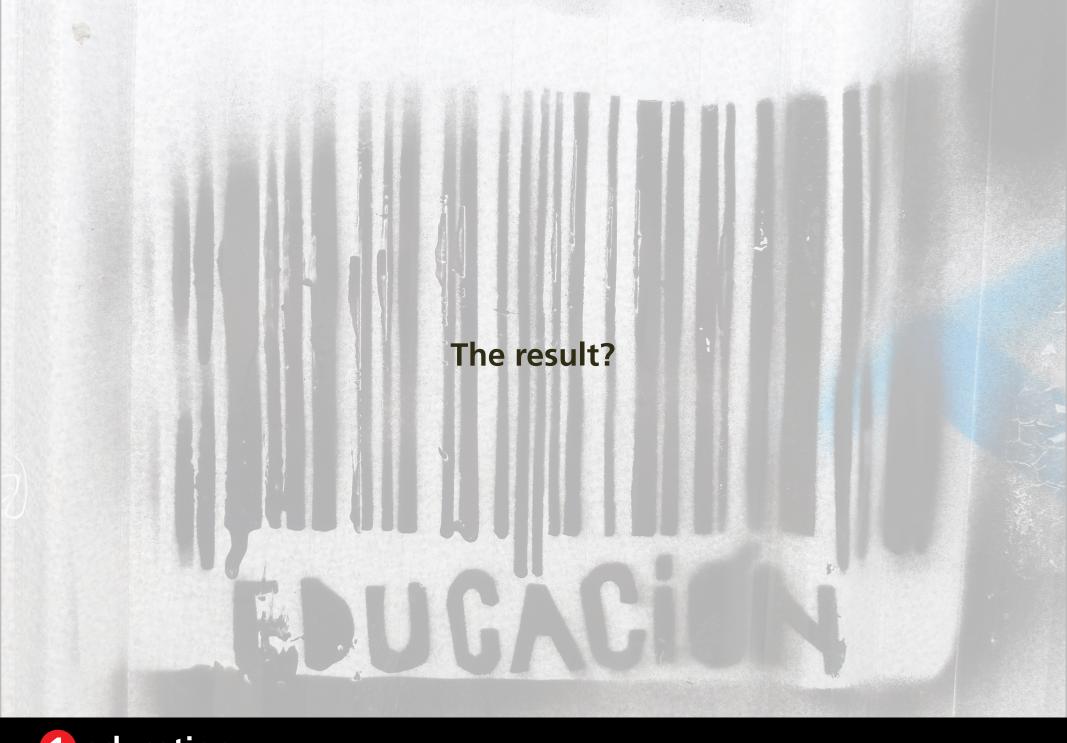


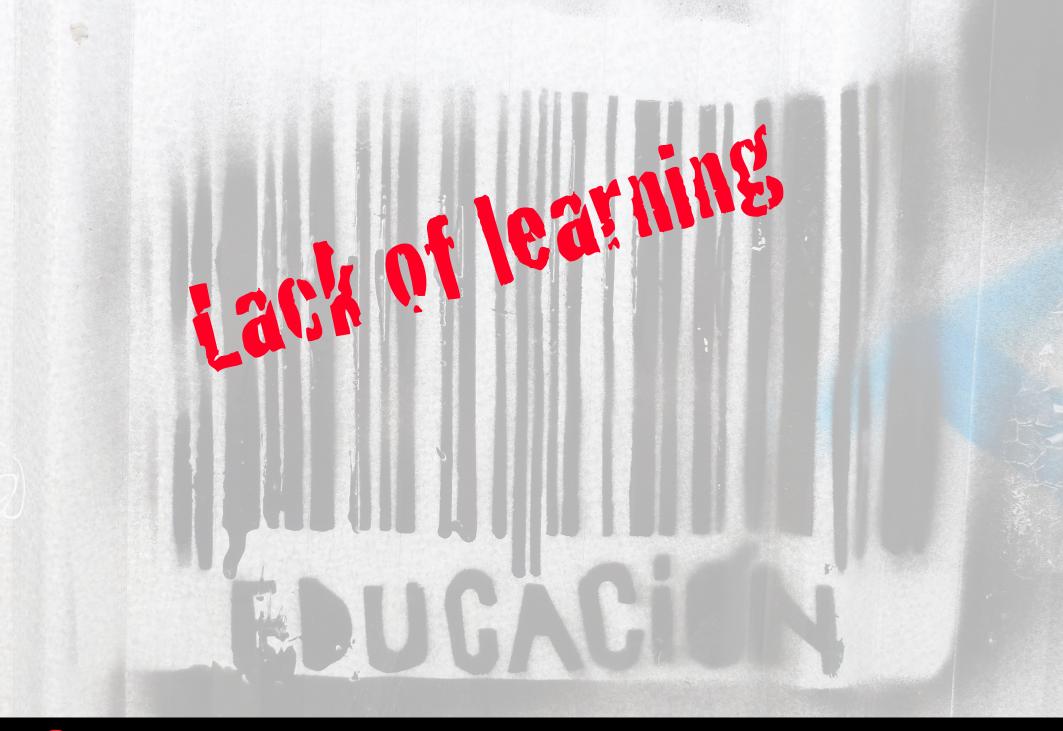




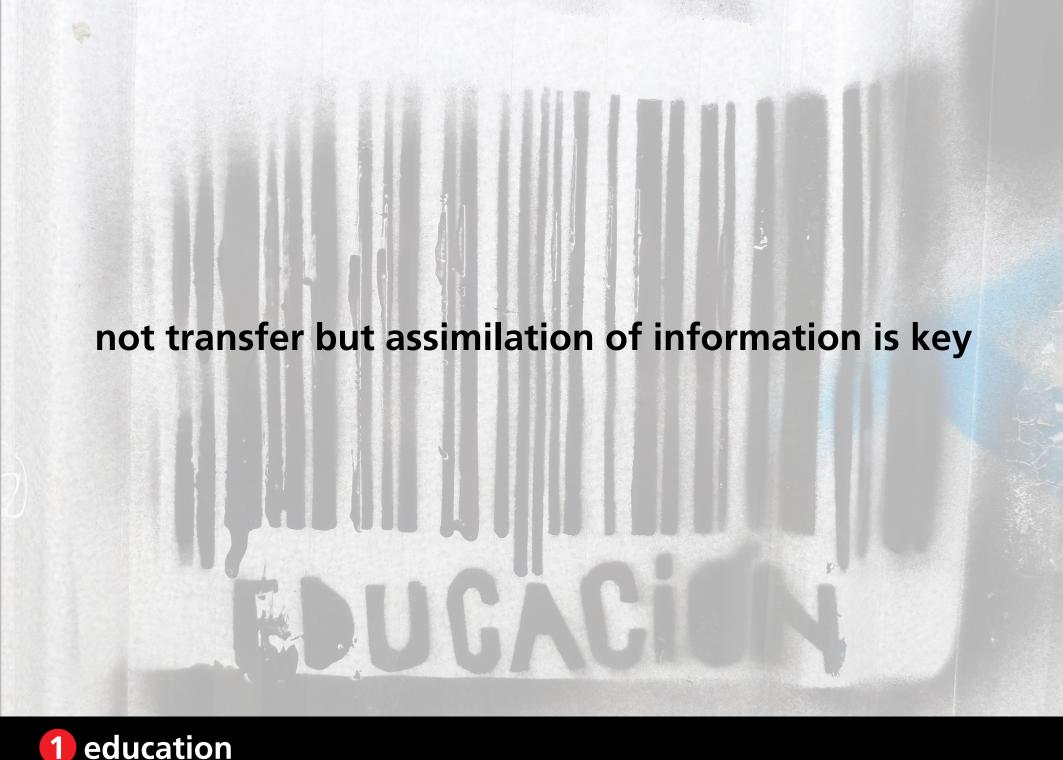




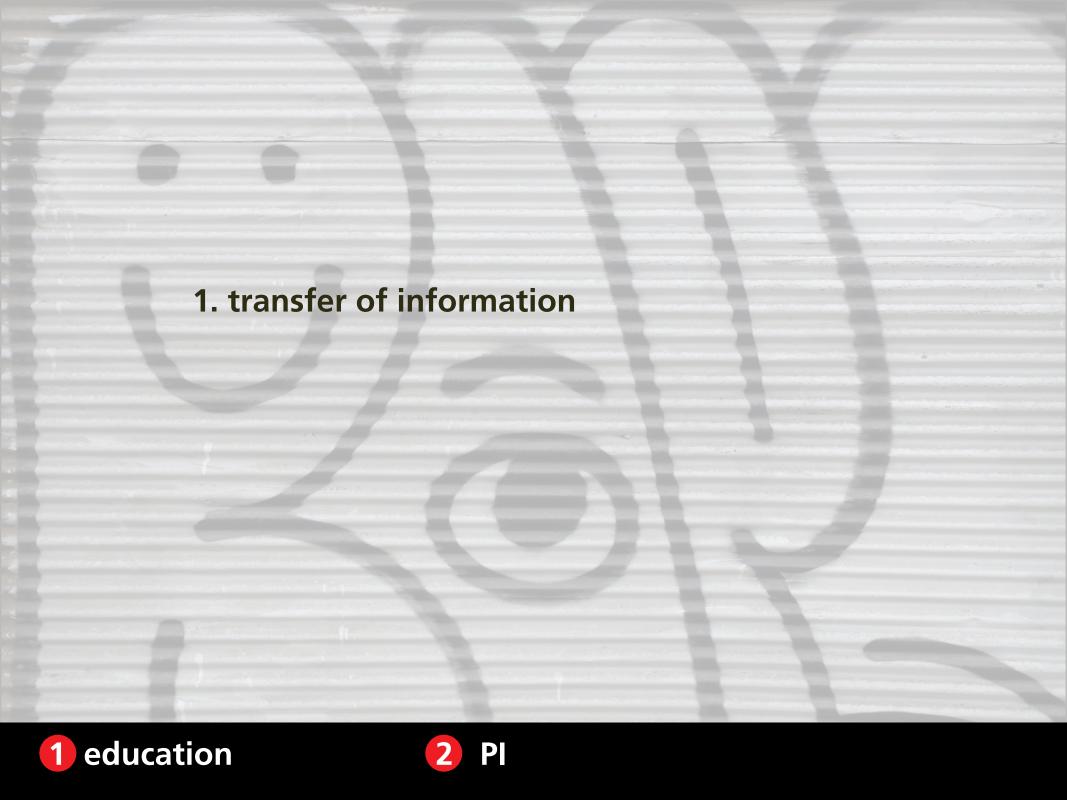












1. transfer of information

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)

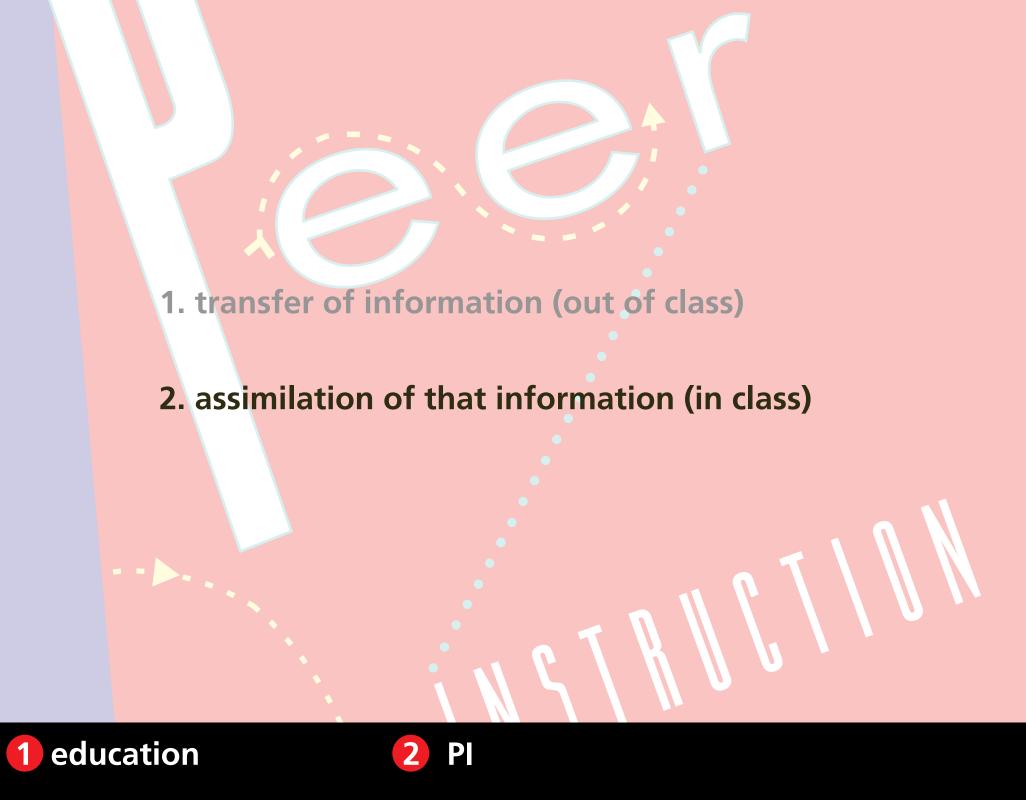
2. assimilation of that information (out of class)

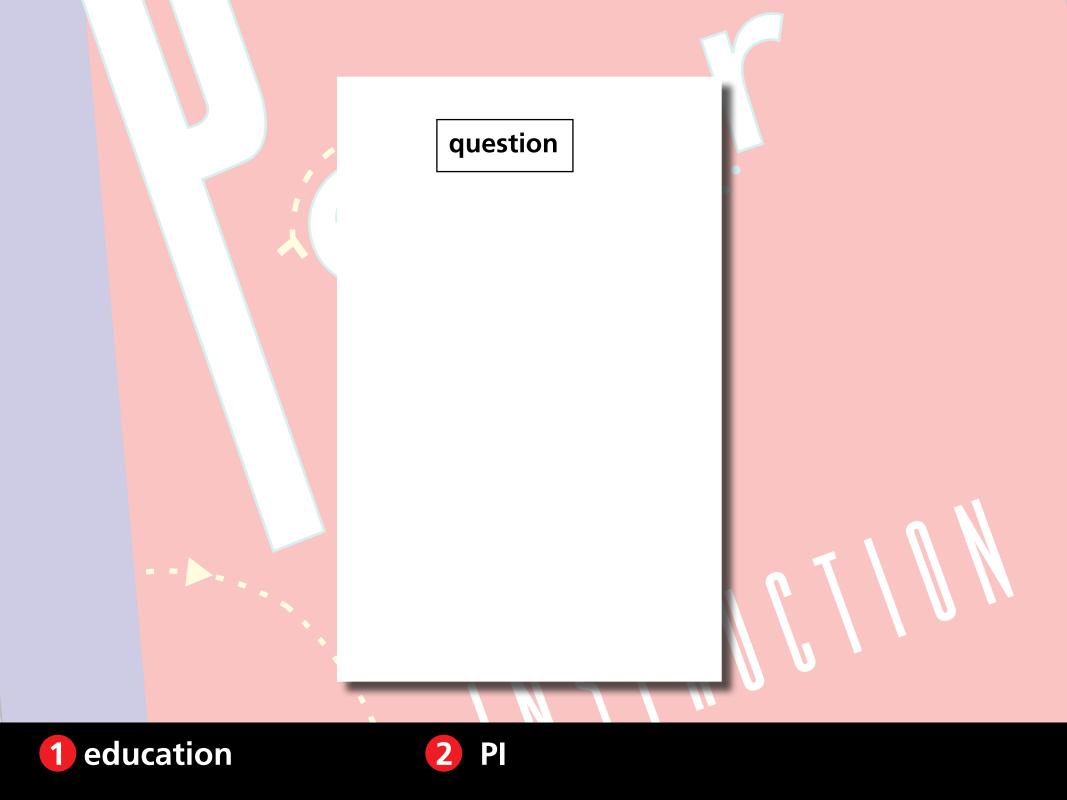
1. transfer of information (in class)

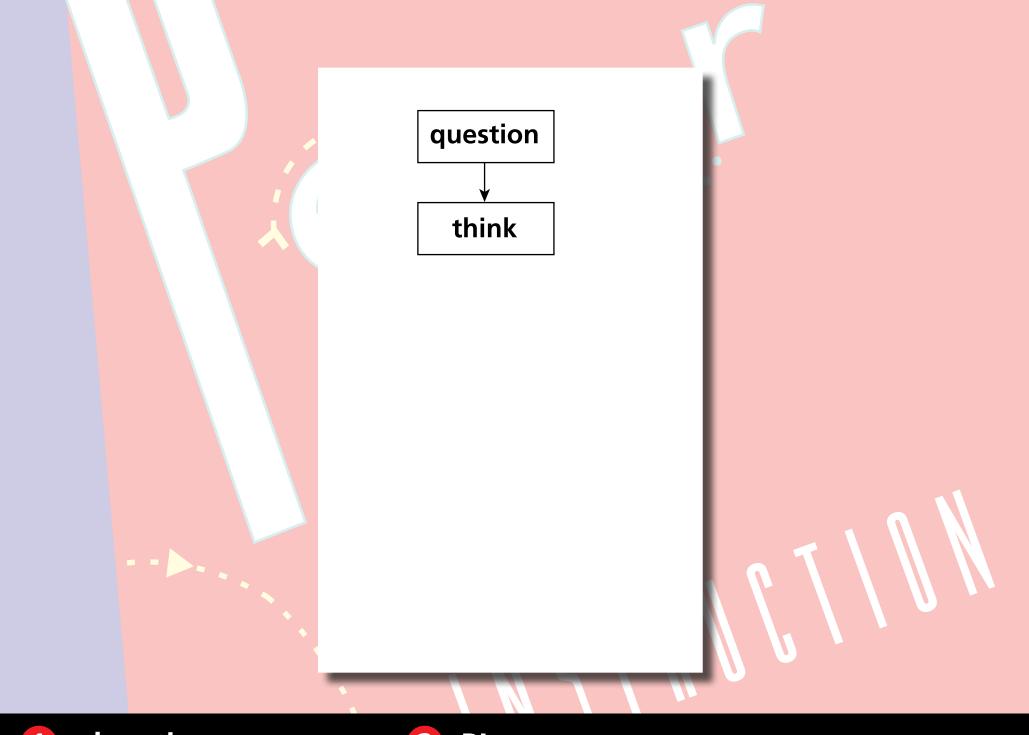
2. assimilation of that information (out of class)

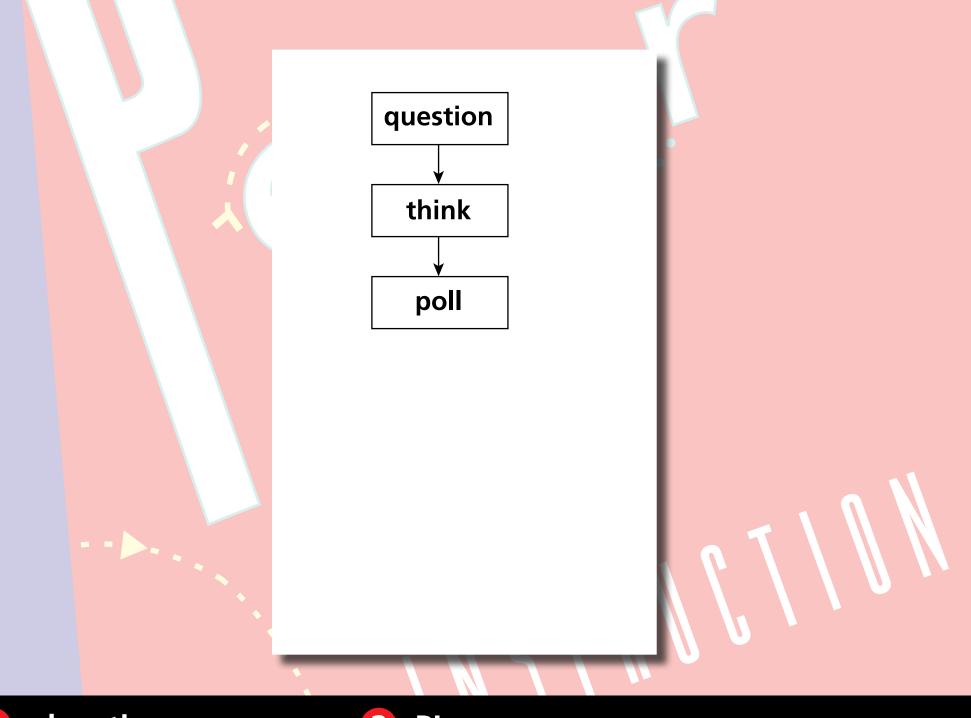
1. transfer of information (out of class)

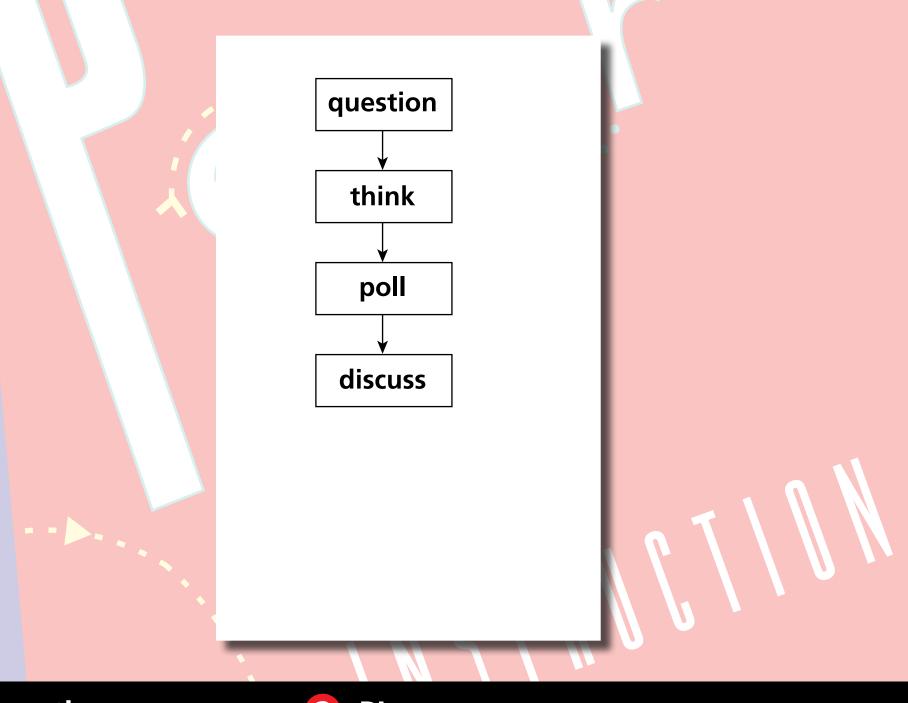
2. assimilation of that information (in class)

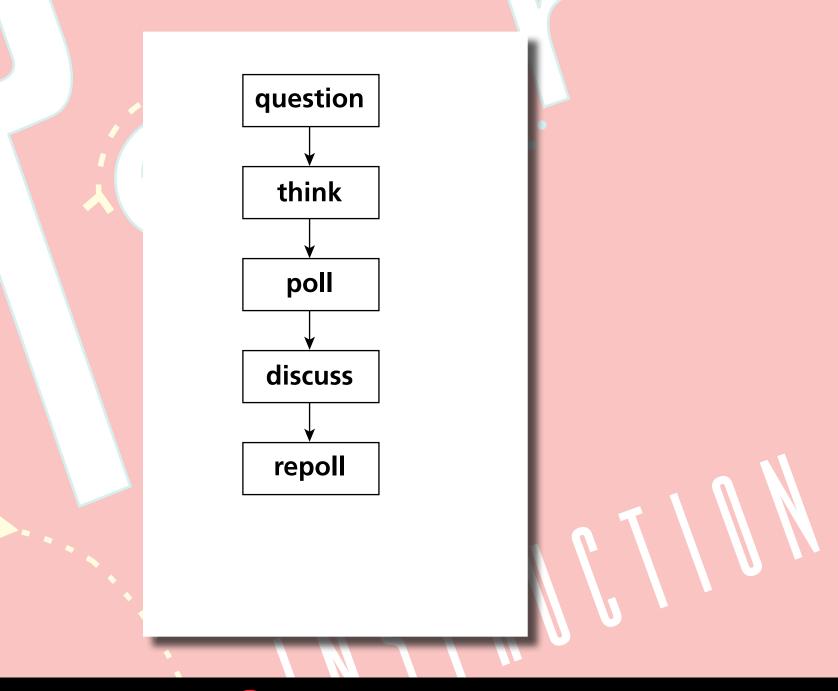


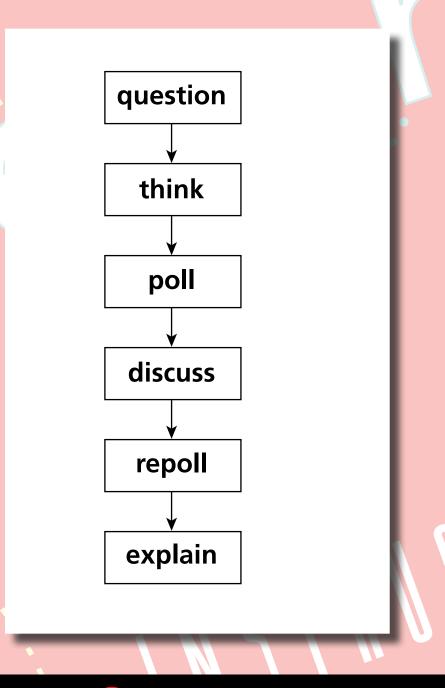


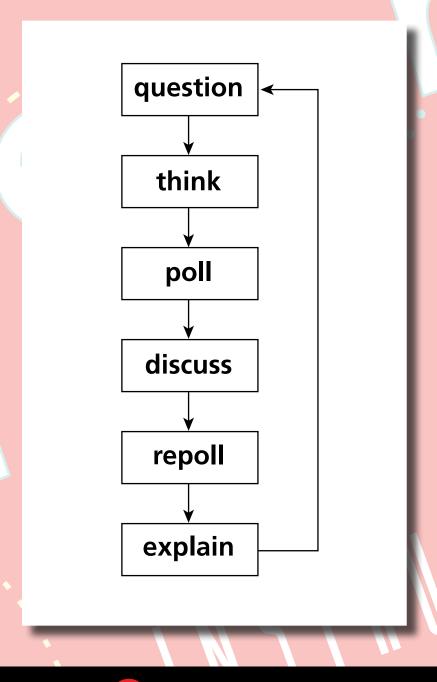


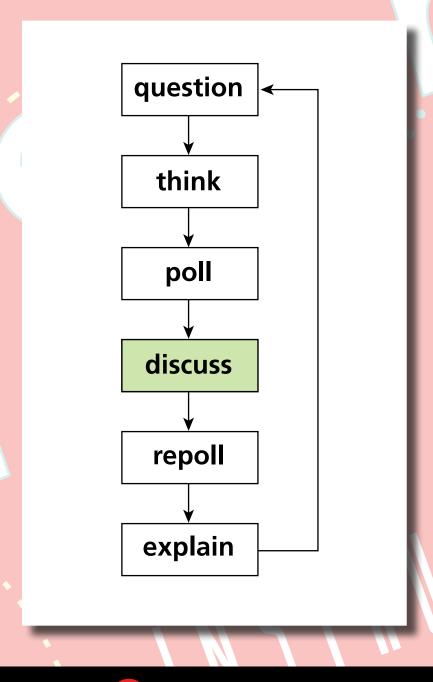


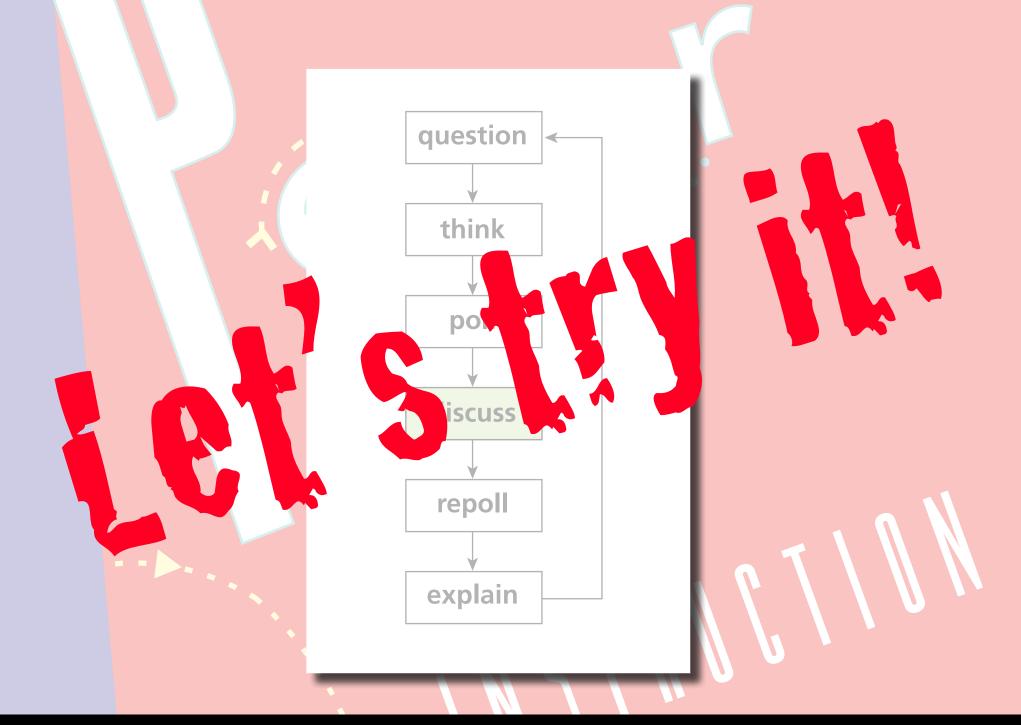




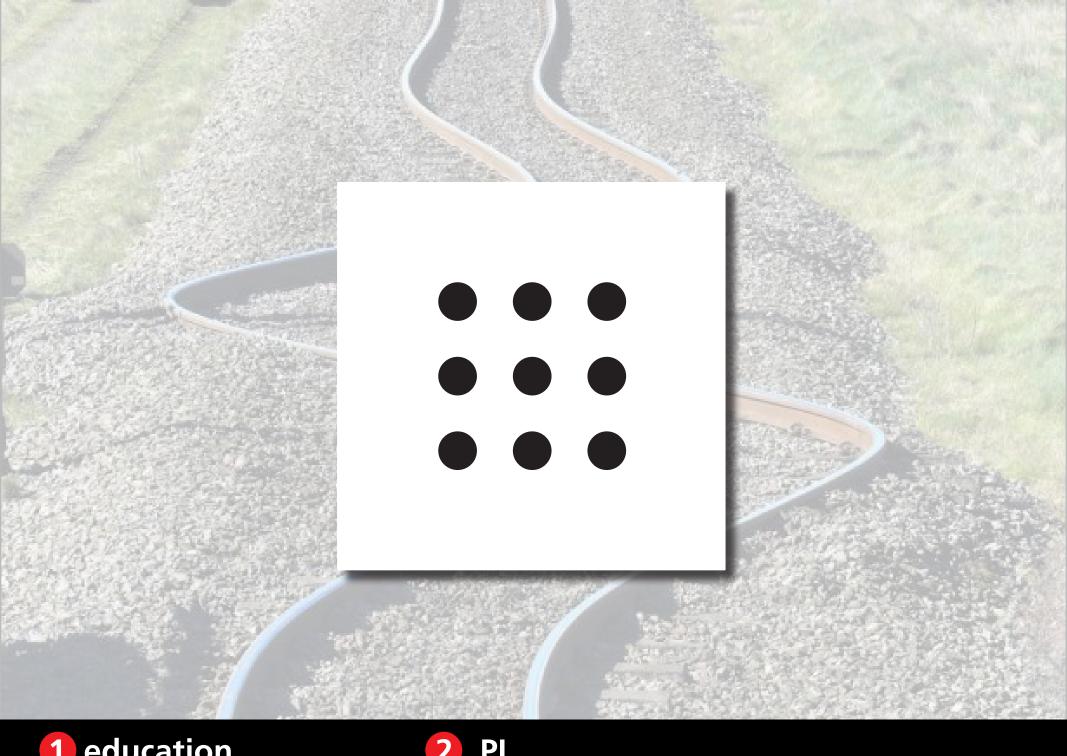


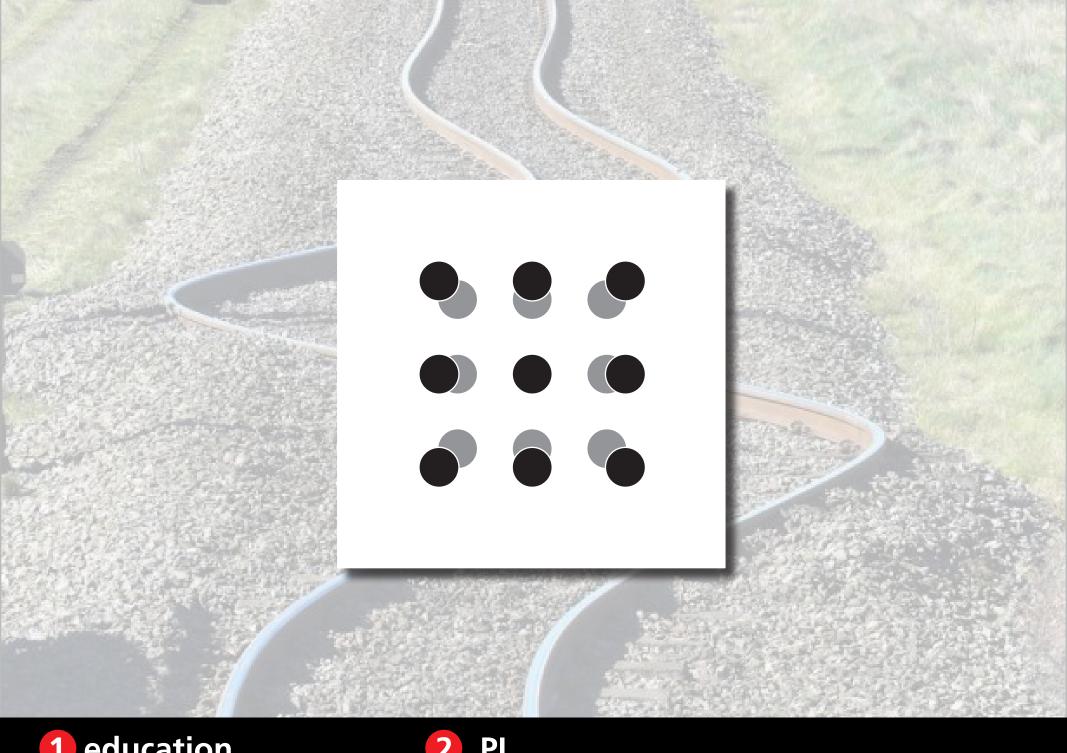




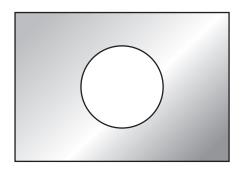






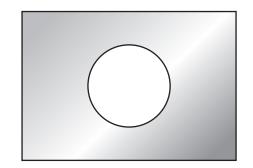




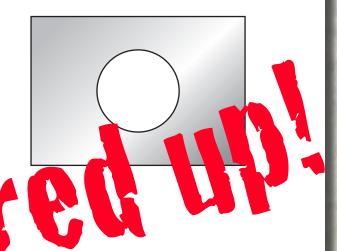


When the plate is uniformly heated, the diameter of the hole

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



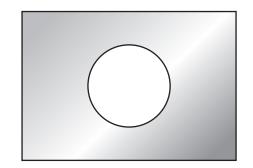
When the plate is uniformly heated, the diameter of the hole



- 1. increases
- 2 ctay the same
- B. a. de ses

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

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



Before I tell you the answer...

You...

1. made a commitment

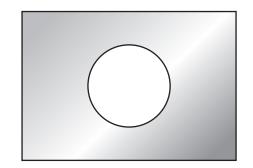
- 1. made a commitment
- 2. externalized your answer

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

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

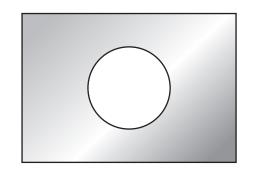
When the plate is uniformly heated, the diameter of the hole

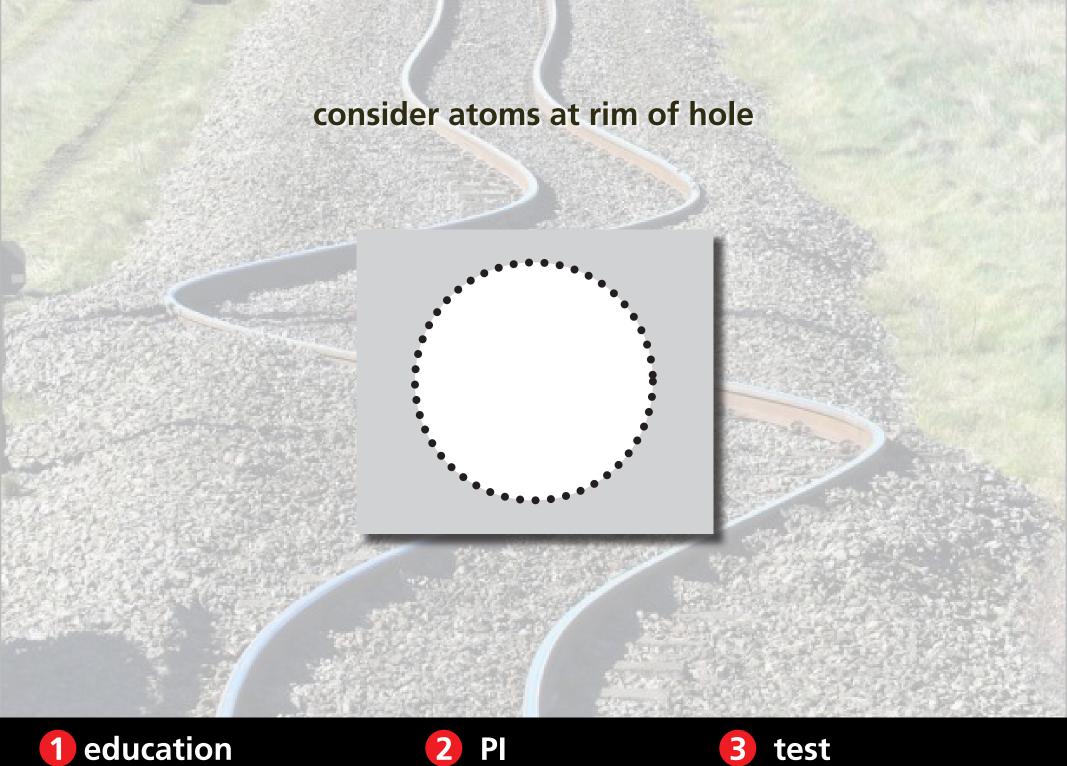
- 1. increases.
- 2. stays the same.
- 3. decreases.

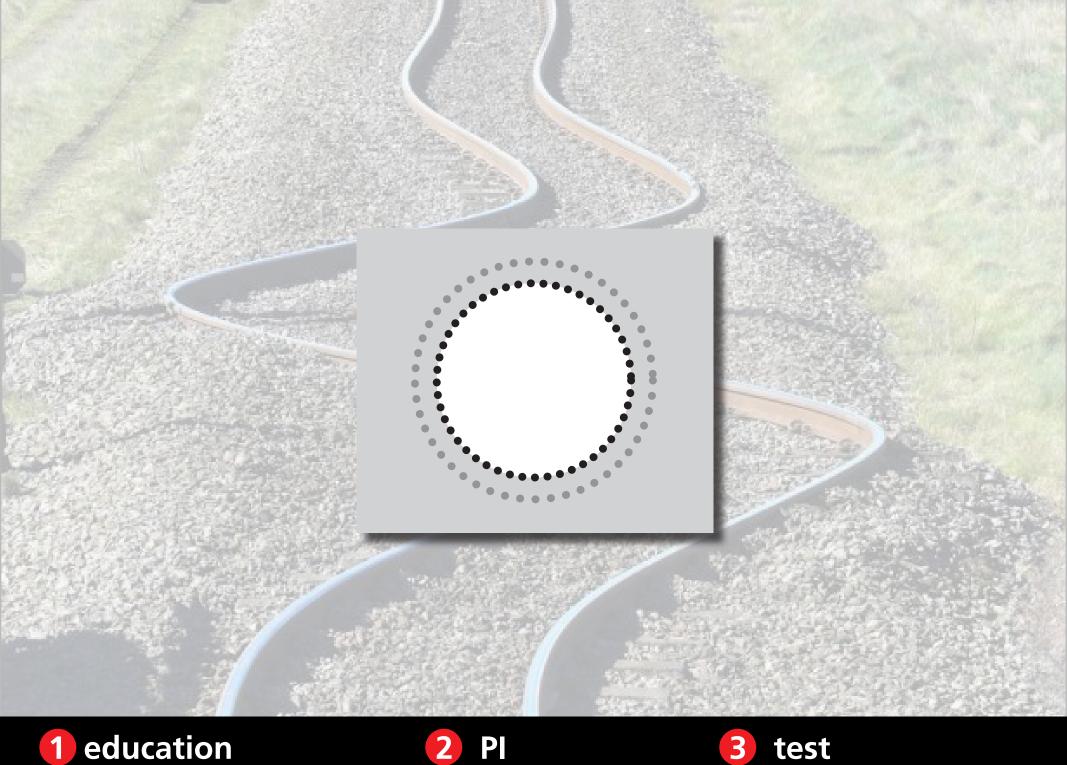


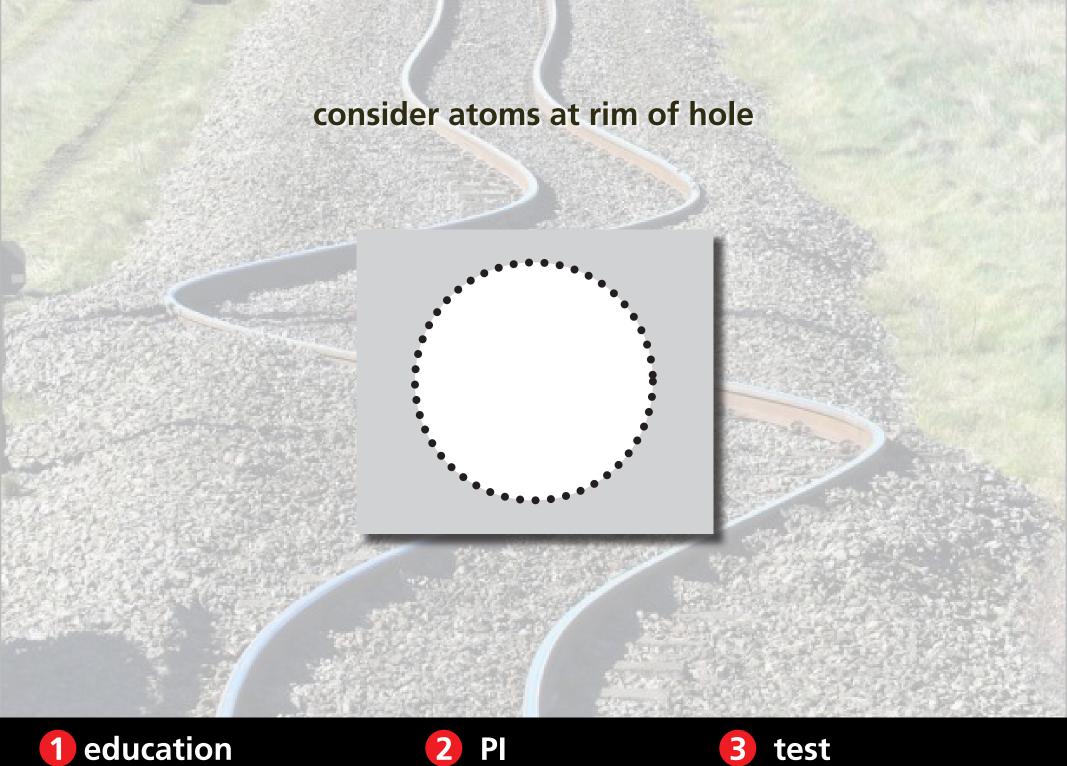
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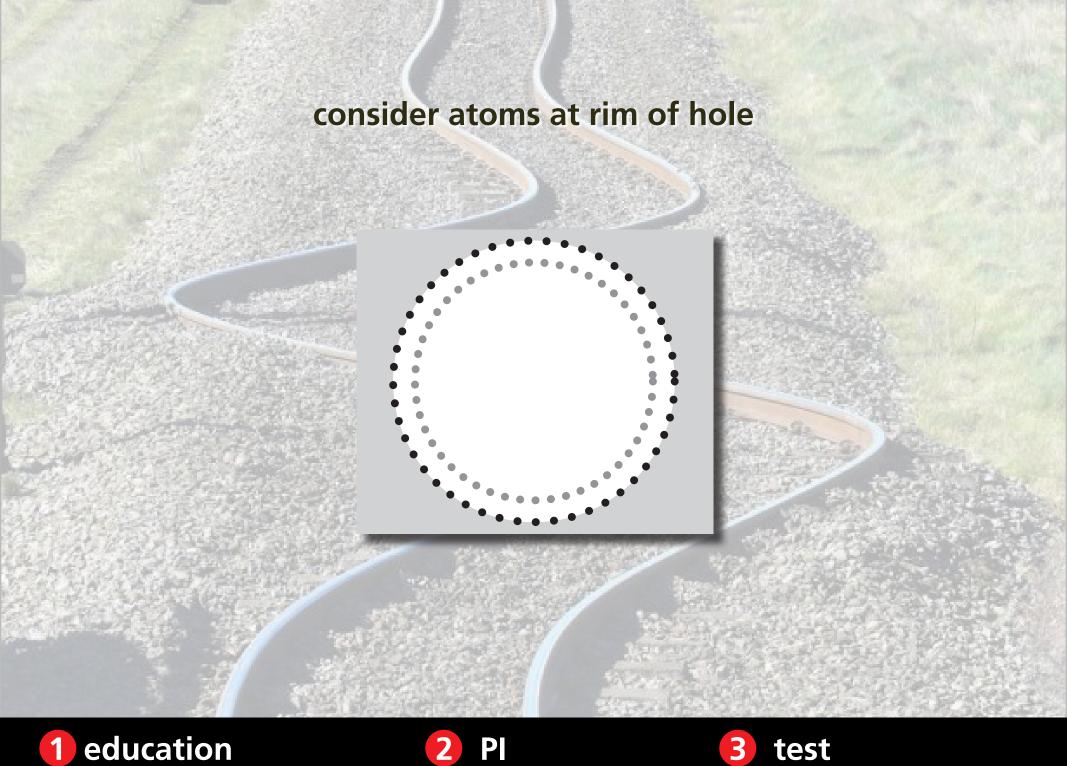
- 1. increases.
- 2. stays the same.
- 3. decreases.











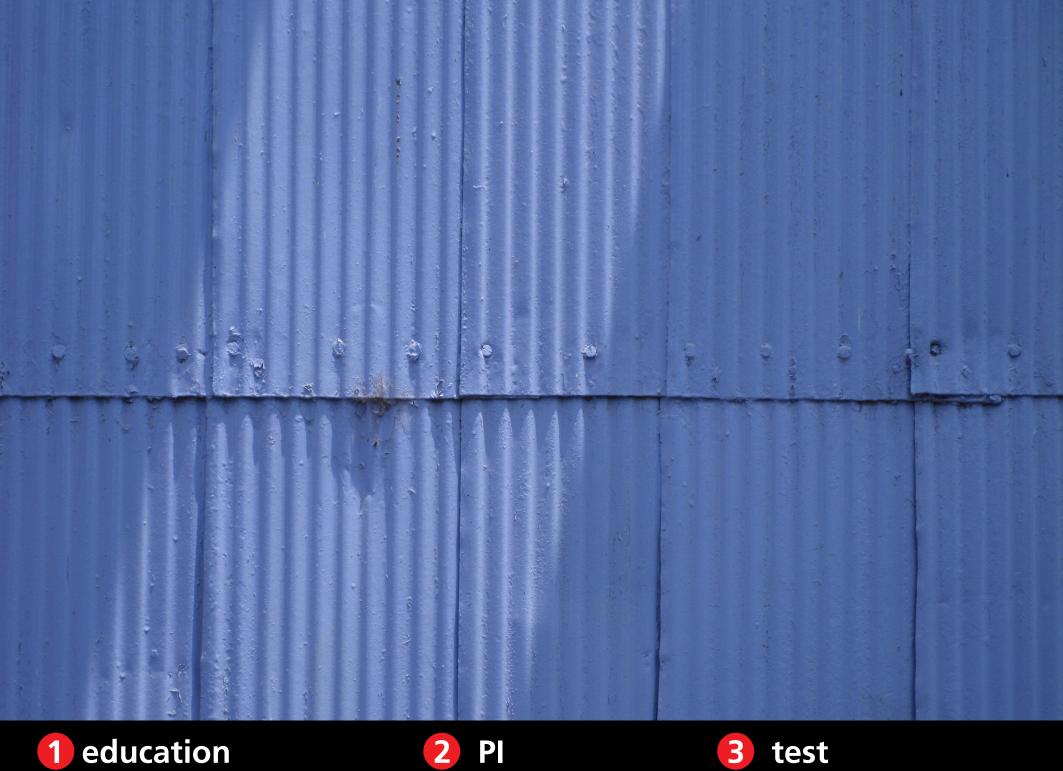








test



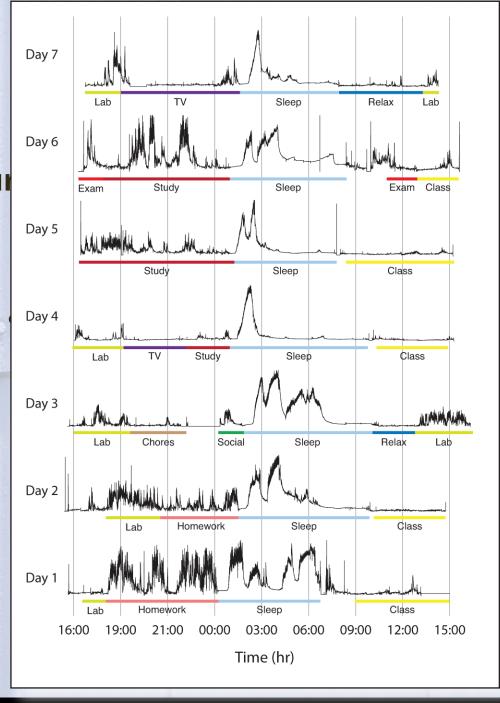
in a lecture, students... 1 education test in a lecture, students...

1. don't pay utmost attention

in a lectur

1. don't pay utmost

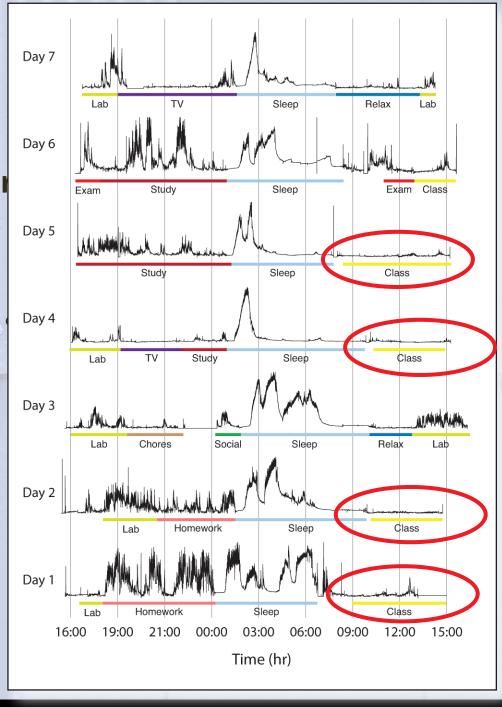
doi: 10.1109/TBME.2009.2038487



in a lectur

1. don't pay utmost

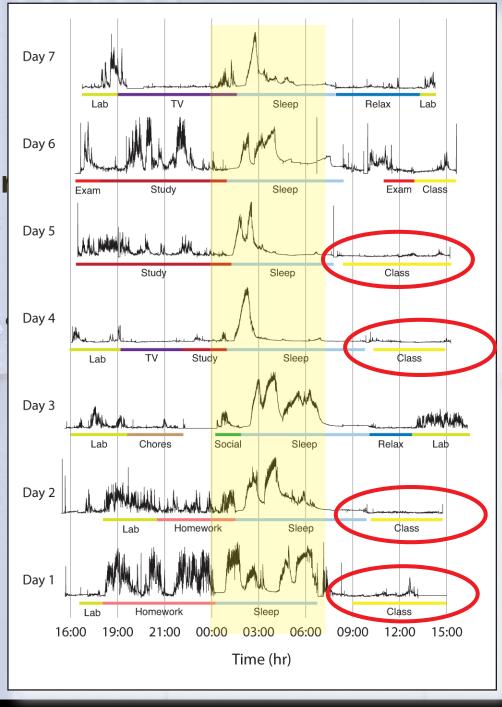
doi: 10.1109/TBME.2009.2038487



in a lectur

1. don't pay utmost

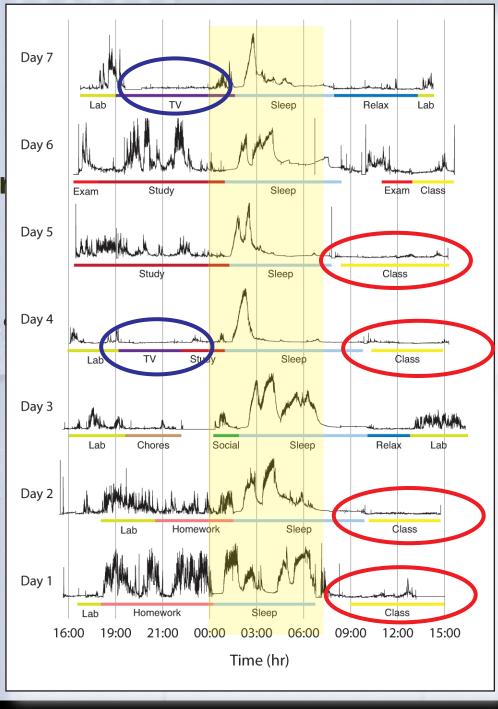
doi: 10.1109/TBME.2009.2038487



in a lectur

1. don't pay utmost

doi: 10.1109/TBME.2009.2038487



in a lecture, students...

1. don't pay utmost attention

2. think they know it



education



2 short video lectures on calico cats, same content

fluent video



speaks fluidly w/o notes upright maintains eye contact

doi: 10.3758/s13423-013-0442-z

2 short video lectures on calico cats, same content

fluent video



speaks fluidly w/o notes upright maintains eye contact

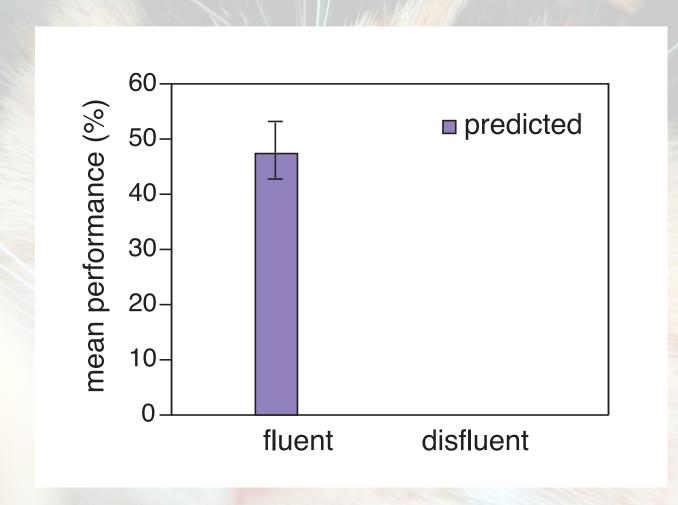
doi: 10.3758/s13423-013-0442-z

disfluent video



speaks haltingly from notes
slumped
looks away

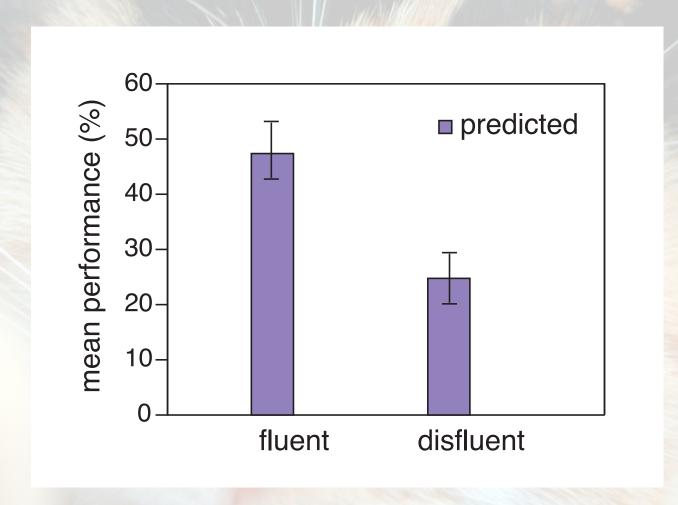
judgement of learning



doi: 10.3758/s13423-013-0442-z

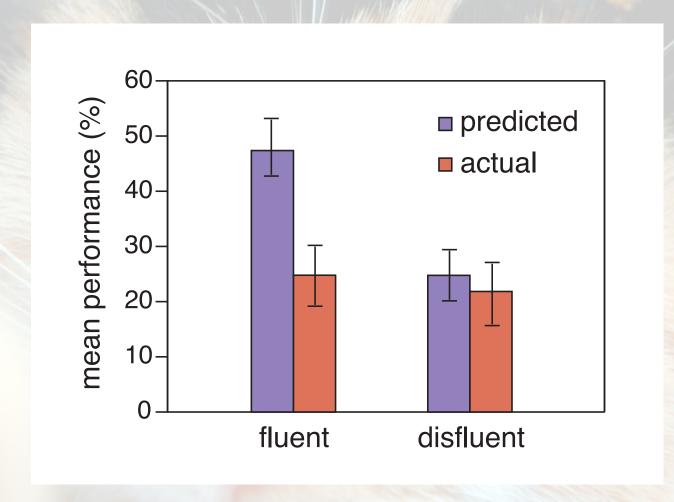
PI

judgement of learning



doi: 10.3758/s13423-013-0442-z

judgement of learning



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PI

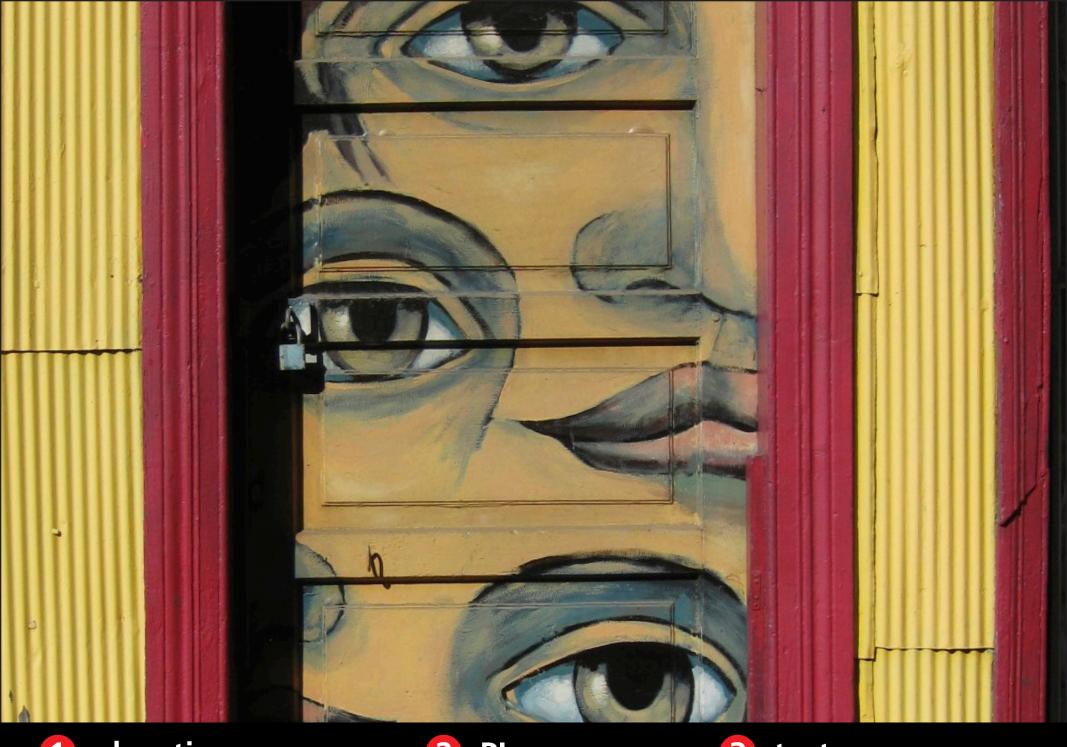
in a lecture, students...

- 1. don't pay utmost attention
- 2. think they know it
- 3. are not confronted with misconceptions

in a lecture, students...

- 1. don't pay uthost attention
- 2. think they know it

3 tre loc of onted with misconceptions



1 education

2 PI

3

test



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

active participation a must!

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