Assessment: The Silent Killer of Learning





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35% retained after Week

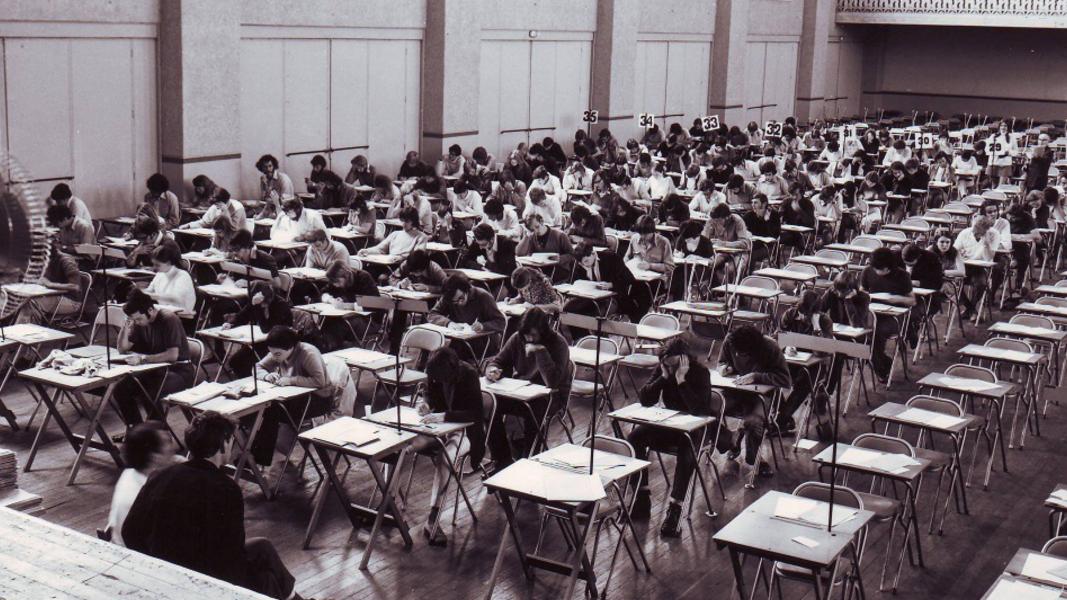
we only guarantee they'll pass the test



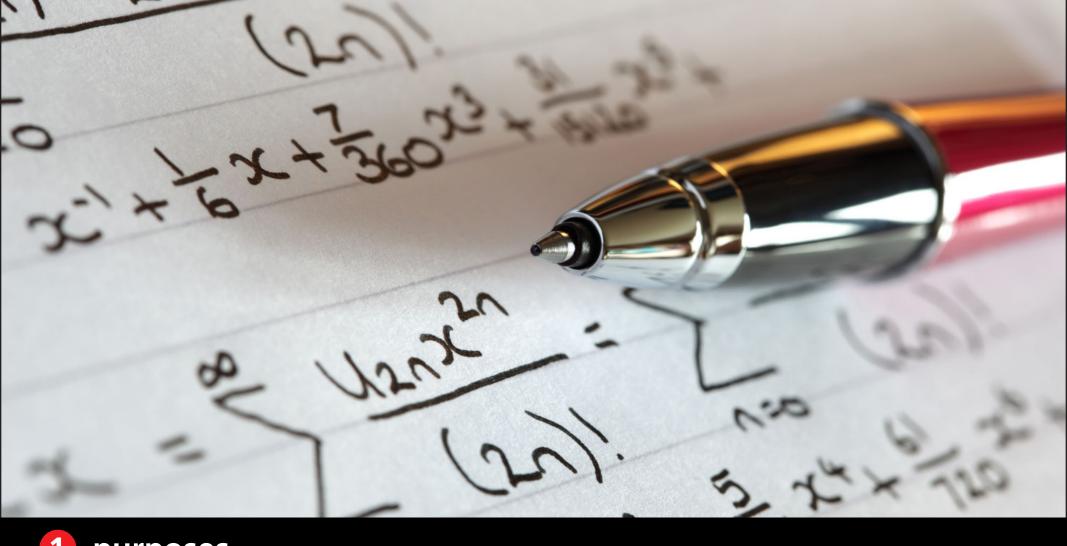














2 problems



problems

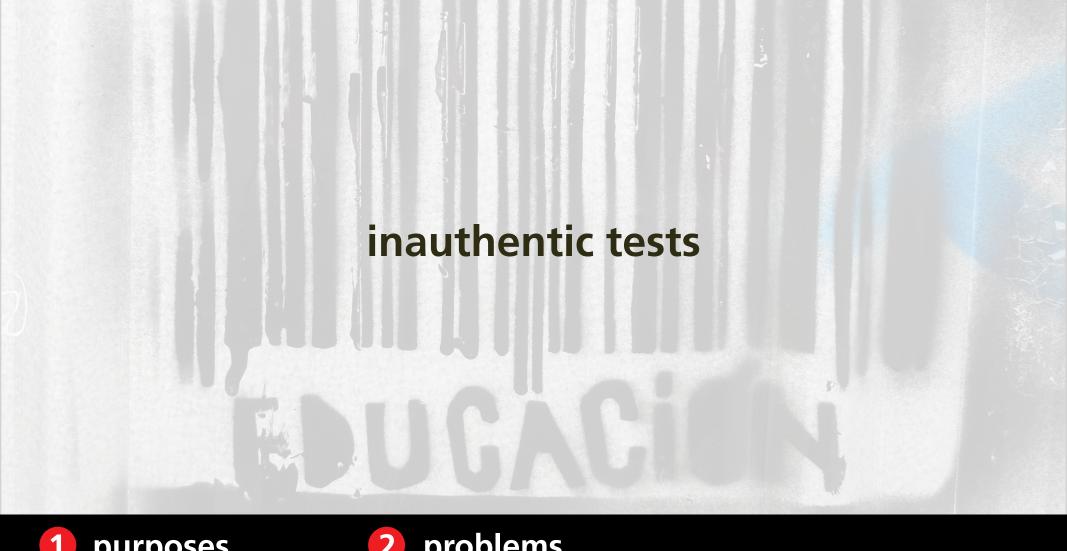
improvements

how many different purposes of assessment can you think of?

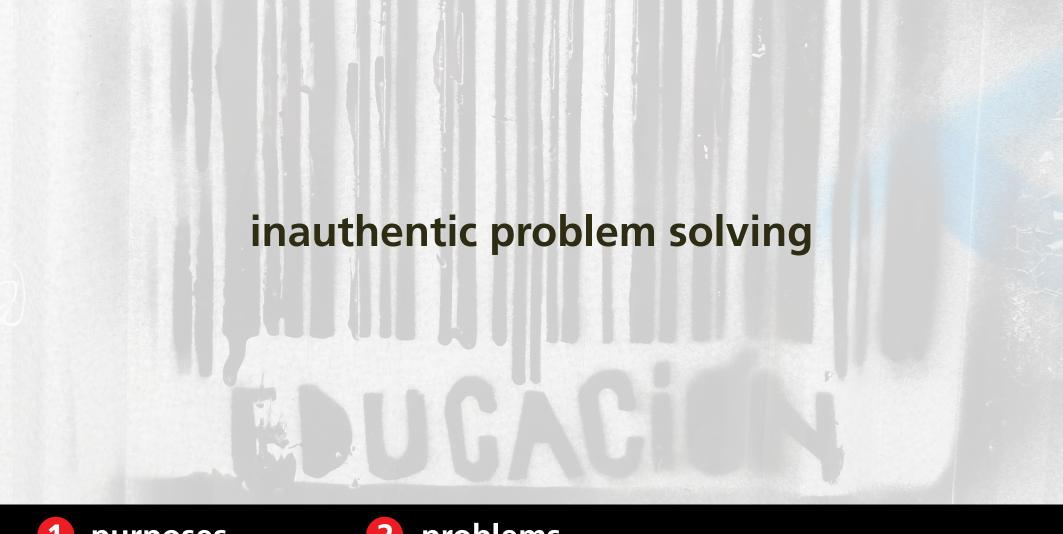
- 1. rate students
- 2. rate professor and course
- 3. motivate students to keep up with work
- 4. provide feedback on learning to students
- 5. provide feedback to instructor
- 6. provide instructional accountability
- 7. improve teaching and learning

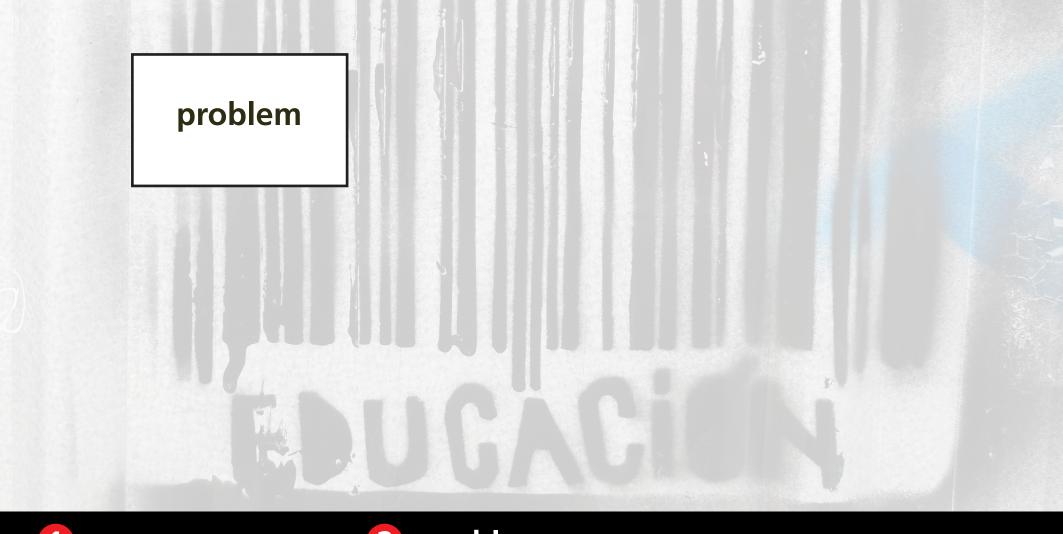


2 problems

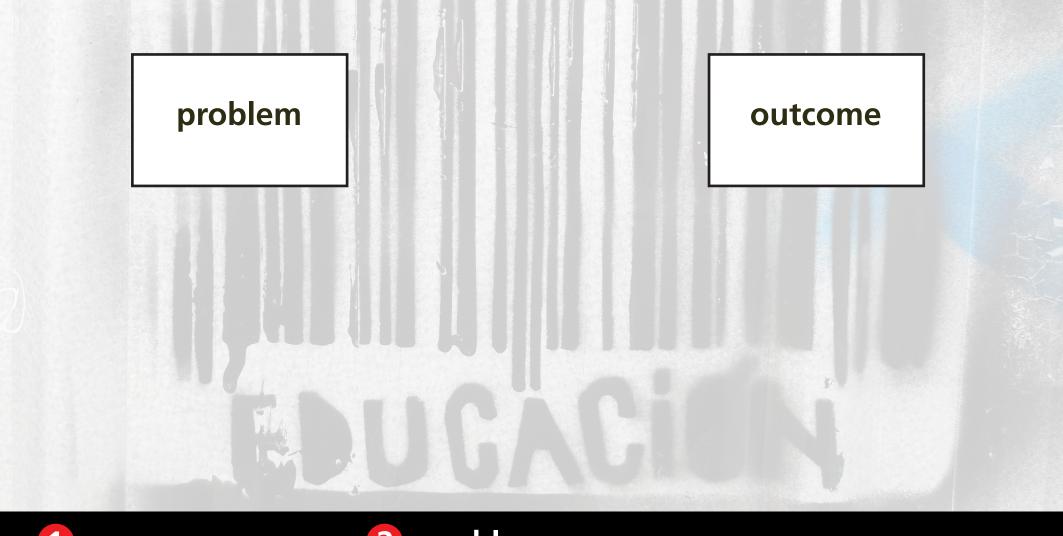


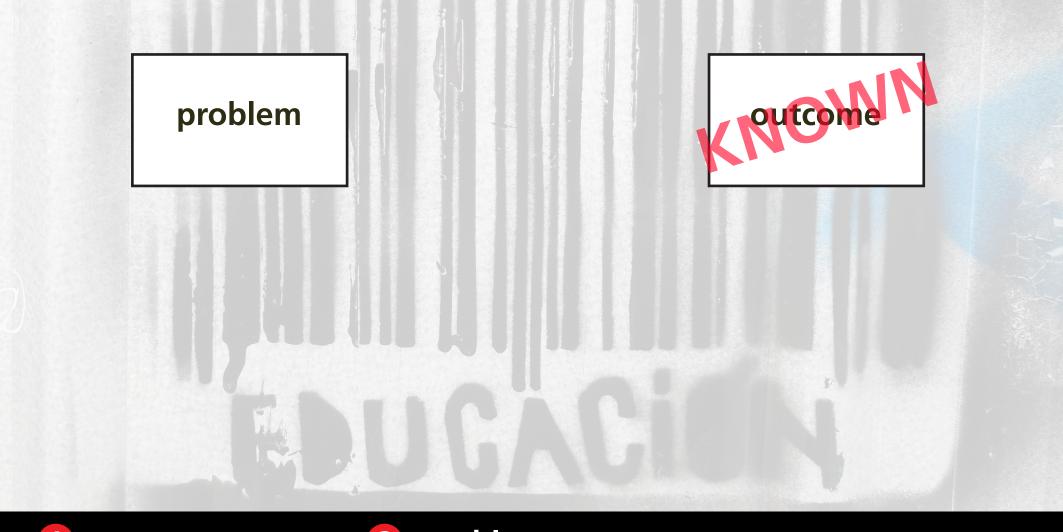
what is the meaning/definition of...?



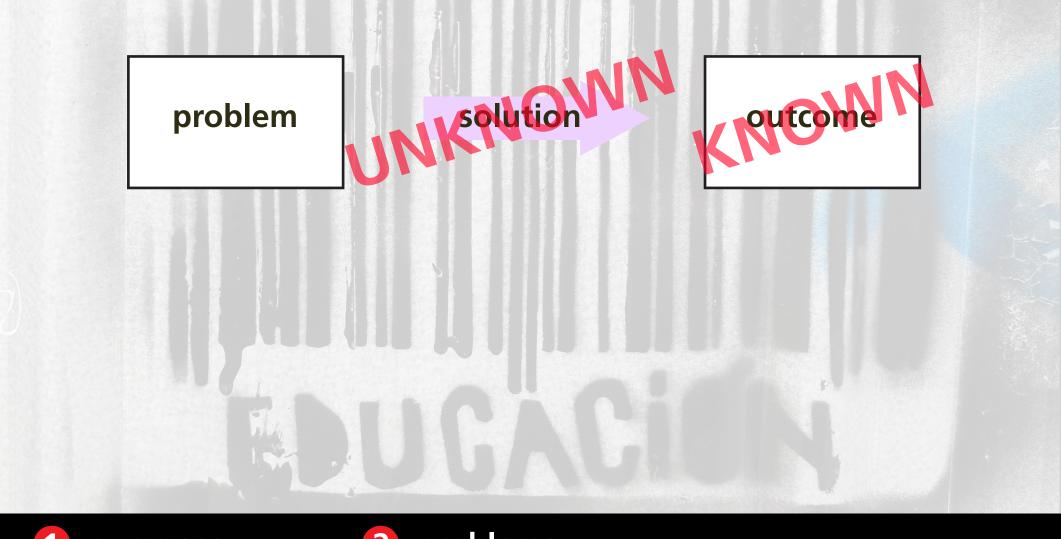


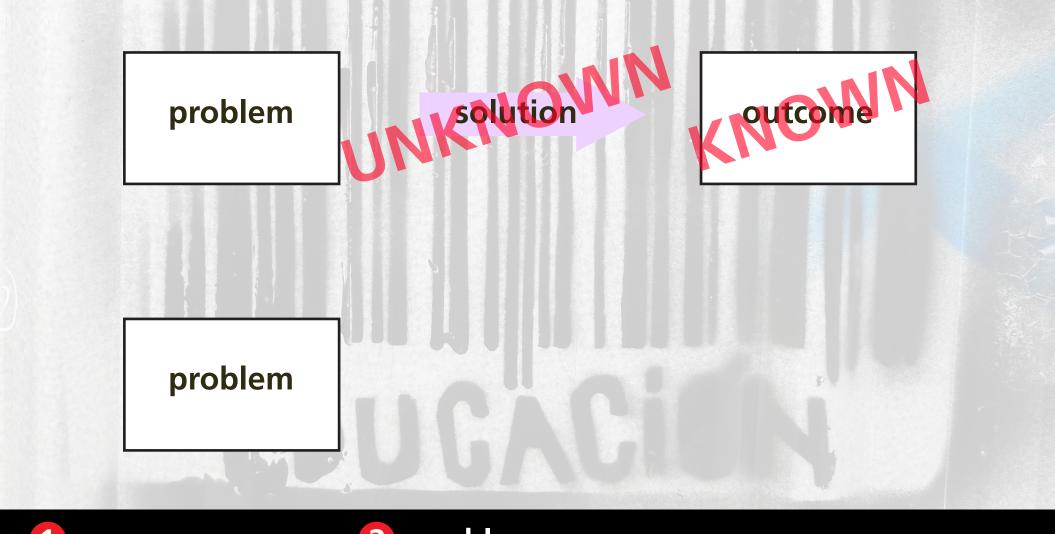
problems





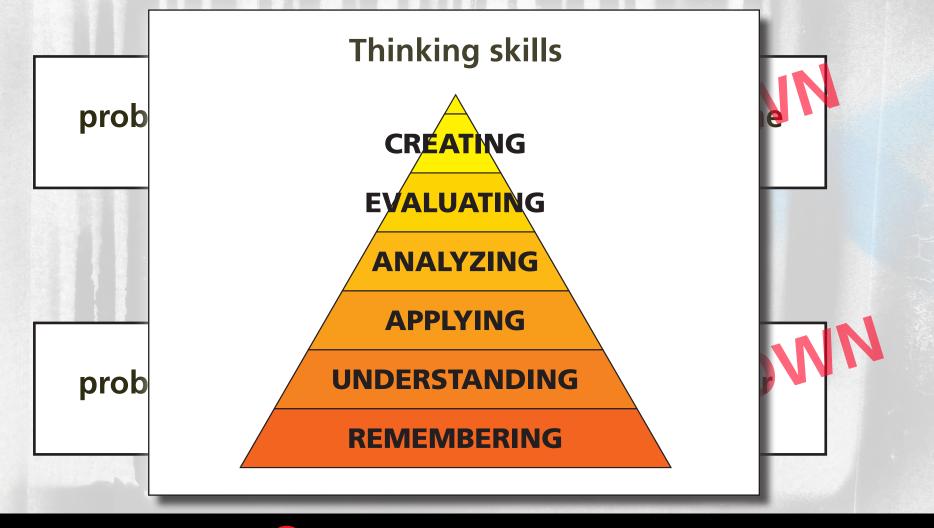












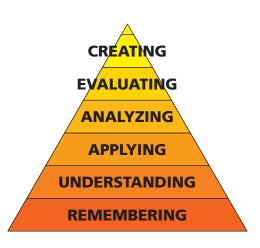
How long do you have to wait before someone frees up a space?

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Requires:

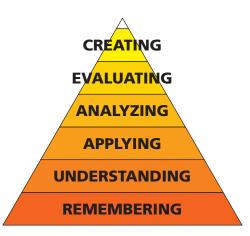
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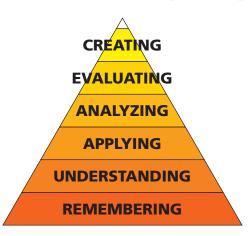
How long do you have to wait before someone frees up a space?

Requires:



Assuming people leave at regularly-spaced intervals, how long do you have to wait before someone frees up a space?

Requires:

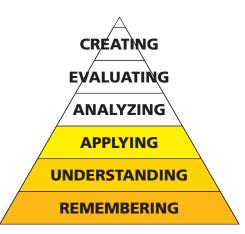


On a Saturday afternoon, you pull into a parking lot with unmetered spaces near a shopping area. You circle around, but there are no empty spots. You decide to wait at one end of the lot, where you can see (and command) about 20 spaces. On average people shop for 2 hours.

Assuming people leave at regularly-spaced intervals, how long do you have to wait before someone frees up a space?

Requires:

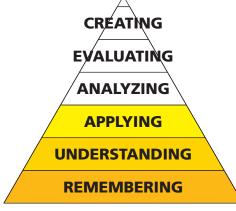
Assumptions
Developing a model
Applying that model



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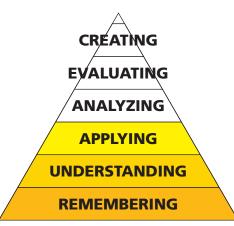


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$$t_{wait} = \frac{T_{shop}}{N_{spaces}}$$

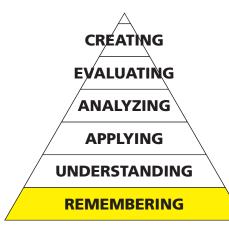


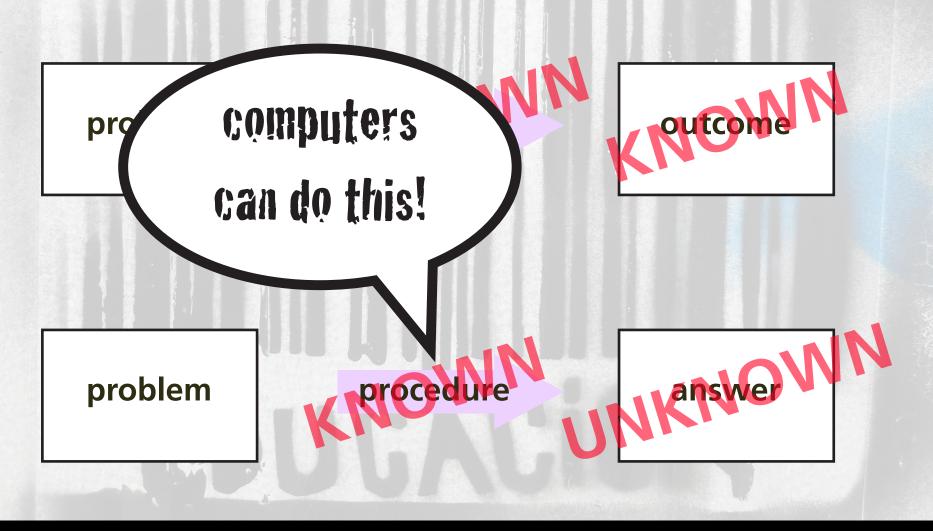
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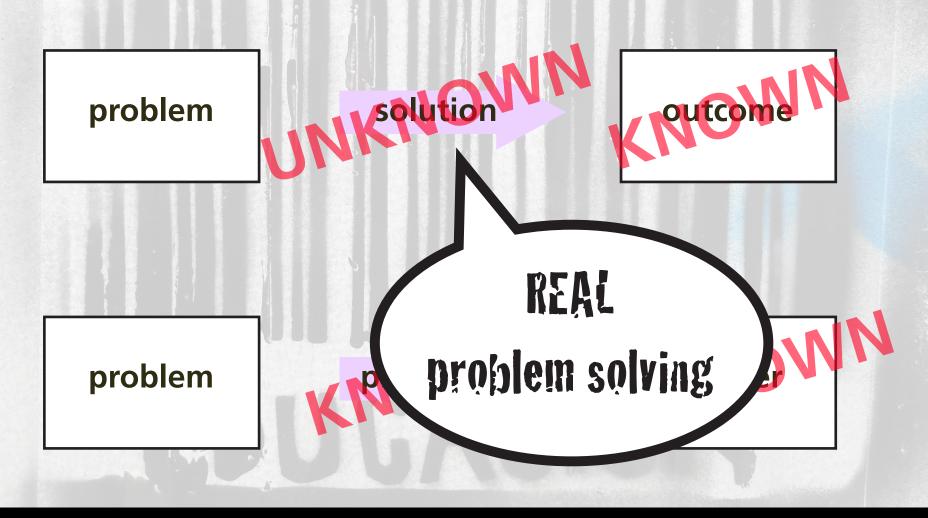




2 problems



2 problems



problem

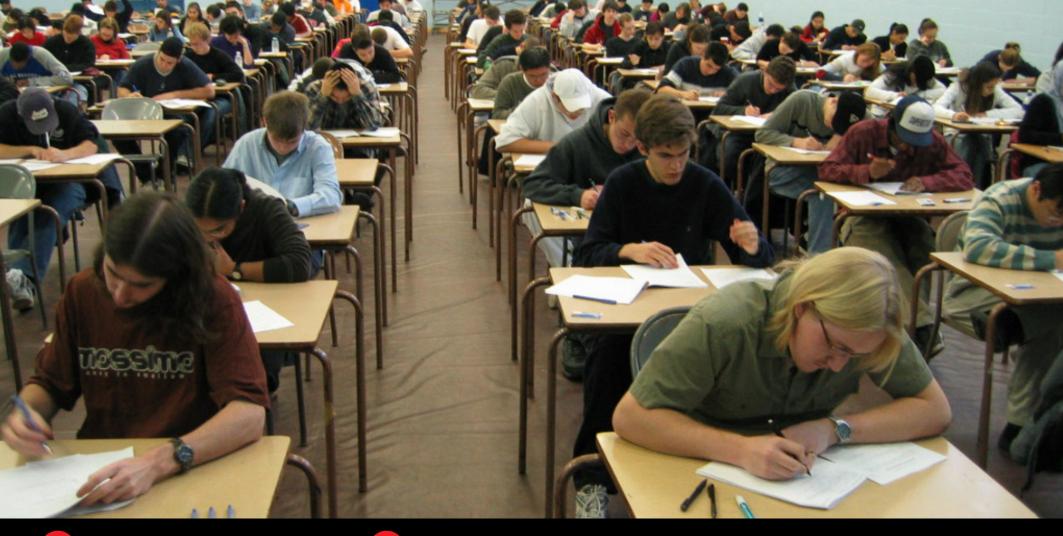
approach 1

approach 3

approach 2

outcome

grading incompatible with real problem solving



2 problems



Math. 302-02, Final stam

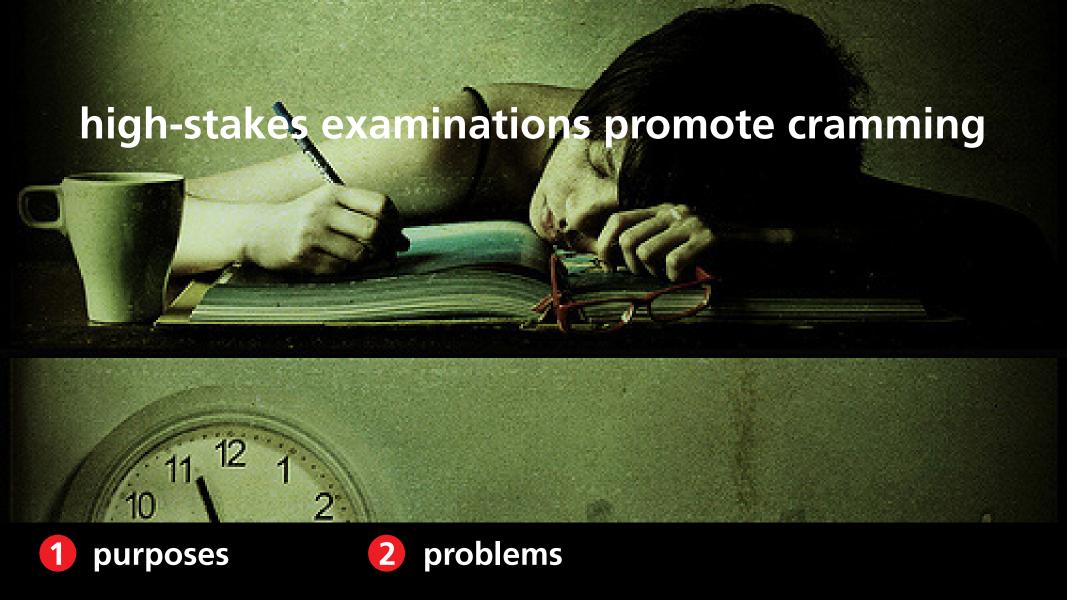
(4) We will use spherical coordinates:

$$0 < 9 \le 44$$
, $0 < \theta \le 2\pi$, $0 \le 0 \le 10$ The integral is thus:

 $(2\pi)^{2\pi} (2\pi)^{2\pi} (2\pi)^{2\pi}$

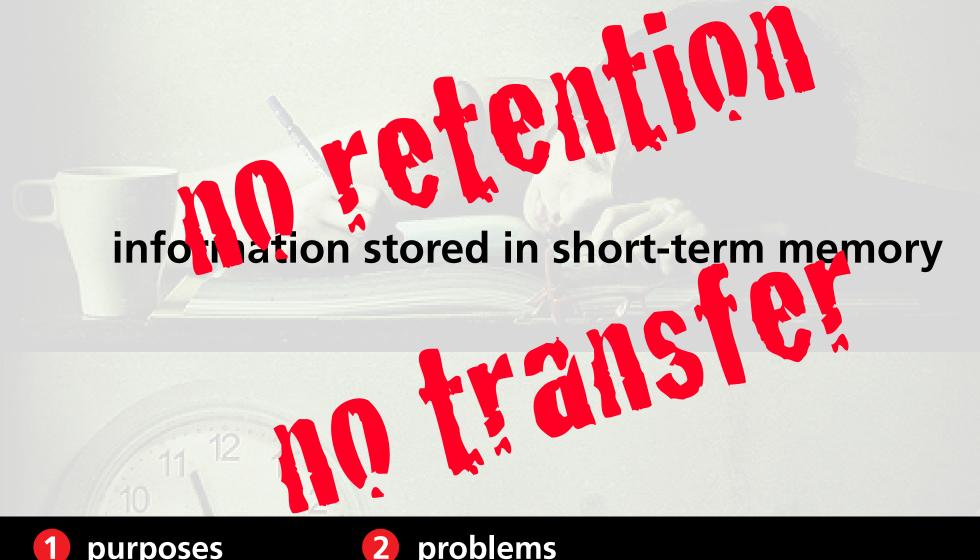
purposes

2 problems



information stored in short-term memory





problems

scribe the Law of conservation or mass. John Times Care LOW, States that mass or a co WILL YOMAIN CONSTAINT, repardless of the Process List the three important concepts that the three important concepts the three impor Equilibrium (boring) + nermody Namics (bovINg) The the Law of definite composition (Dalton's Law): wound always contains exactly the a dule at aparty Las problems purposes

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The the Law of definite composition (dge? Law): wound always contains exactly the a dule at aparty Las problems purposes

scribe the Law of conservation or mass. Sometimes Care LOW, States that mass or a co WILL YEMMIN CONSTANT, Y-PANYOLASS OF the Process Conflict resolved by:

List the three important concepts that the conservation of Energy leads to: ist the three important contact (boy Ng)

For objectivity (fairness, reliability)

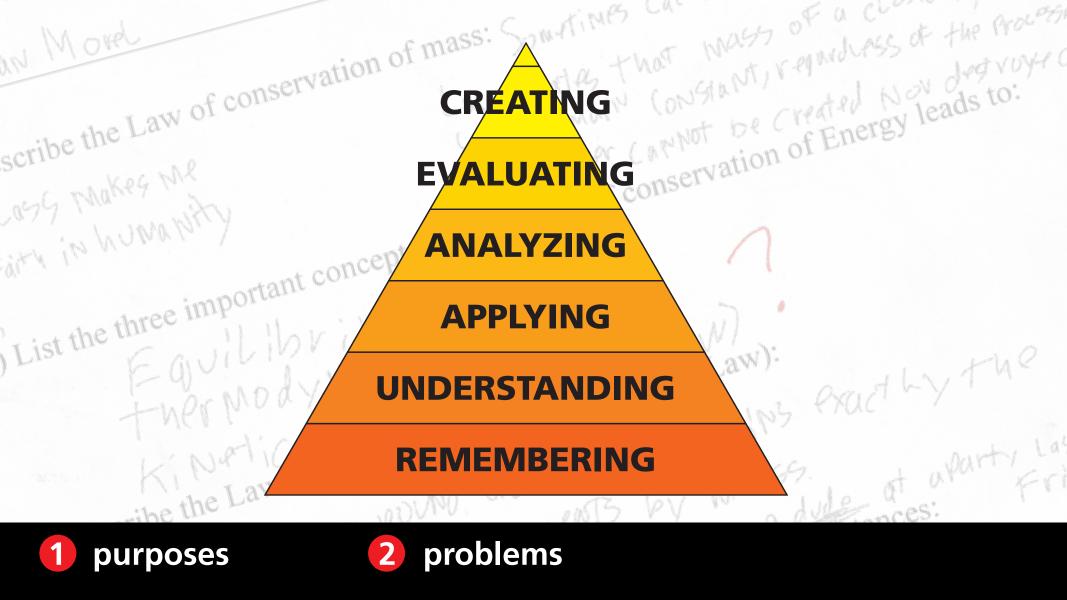
The the Law of definite composition

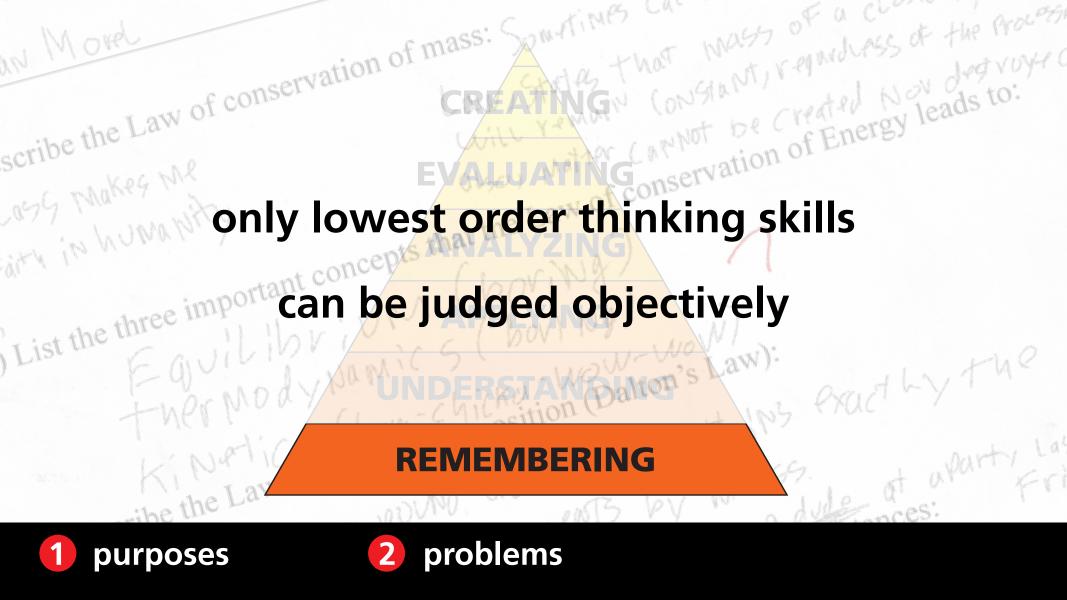
The the Law of definite composition (boy Ng)

The the Law of definite (boy Ng)

The th world always contains ents by mass. problems purposes

scribe the Law of conservation or mass. Sometimes Care List the three important concepts that the Law of conservation of Energy leads to: LOW, States + hat mass or WILL YEMMIN CONSTANT, repardless of the Process Equilibrium (Lbout) thermody Namics (boy No. the the Law of definite composition (Dalton's Law): wound always contains exactly the a dude at aparty Las problems purposes





scribe the Law of conservation or mass. John Times Care Law, States that mass or WILL YEMMIN CONSTANT, Y-PANYOLASS OF the Process and then there is...

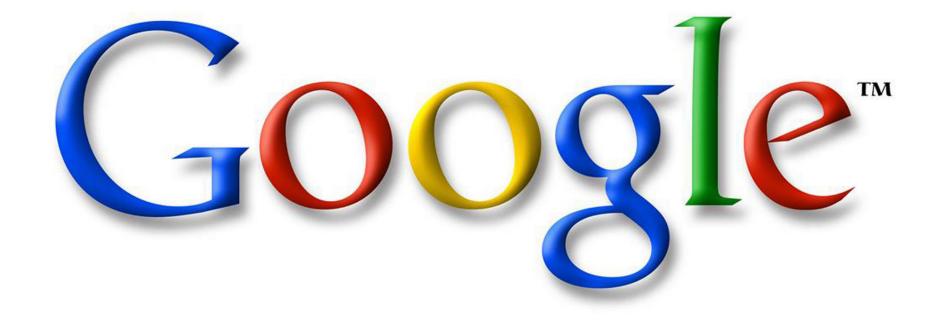
List the three important concepts that the conservation of Energy leads to: e three mine grade inflation The the Law of definite composition (Dalton's Law): wound always contains exactly the a dule at aparty Las problems purposes

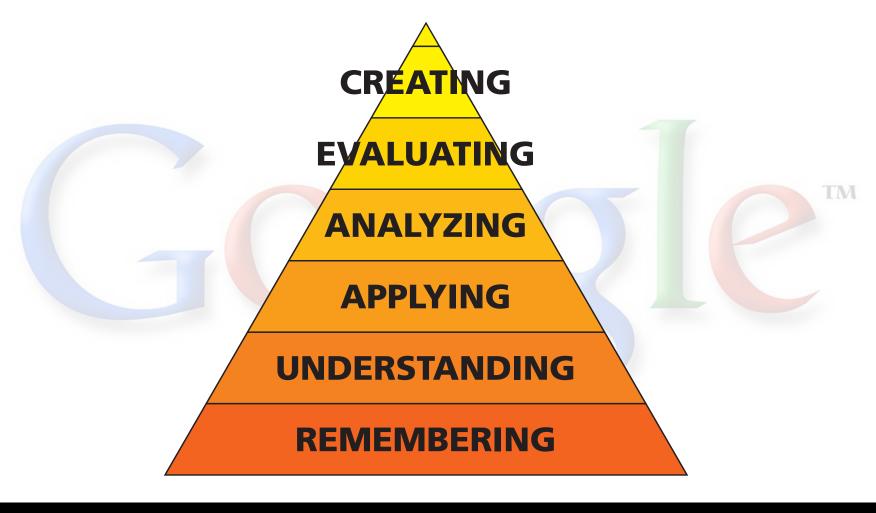




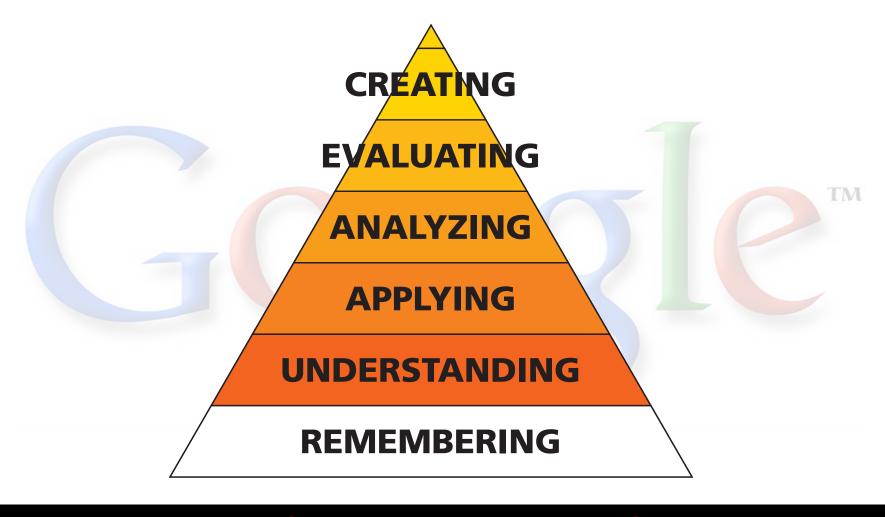
mimic real life

open-book exam





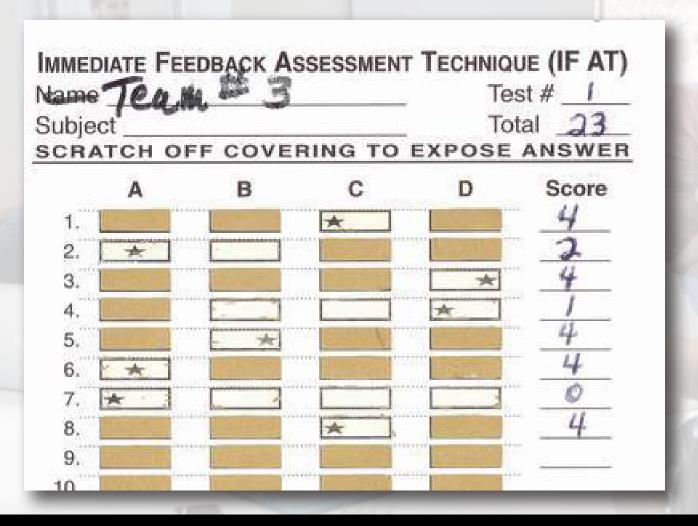
2 problems

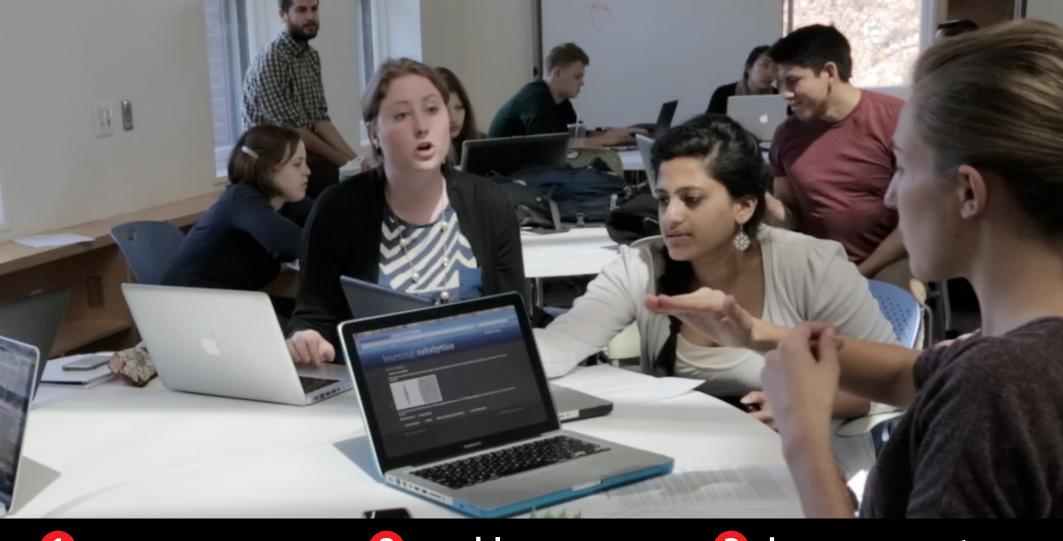


2 problems



2 problems





2 problems

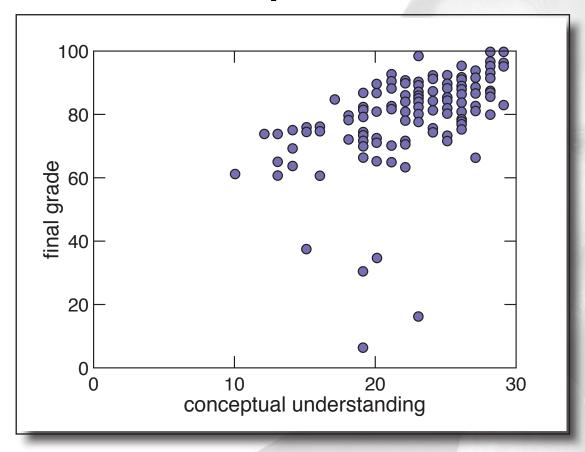


focus on feedback, not ranking

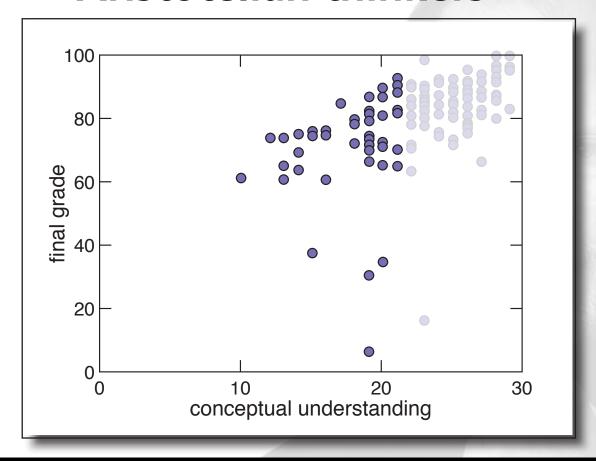
objective ranking: a myth



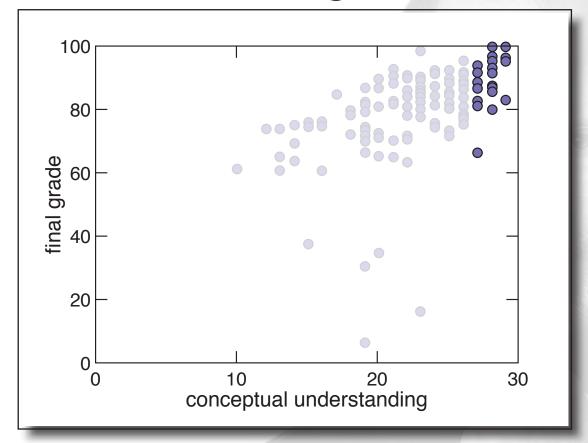
2 metrics, 2 results



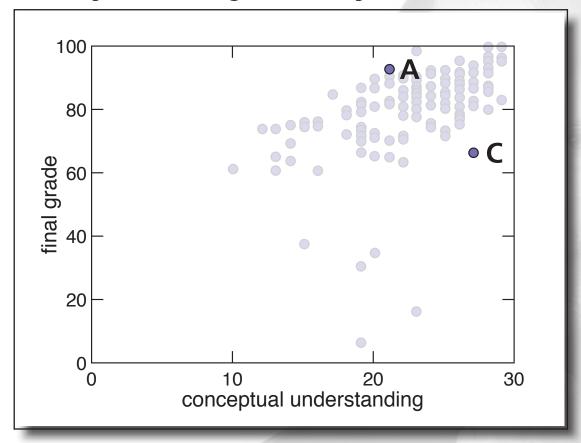
Aristotelian thinkers



top performers, broad grade distribution

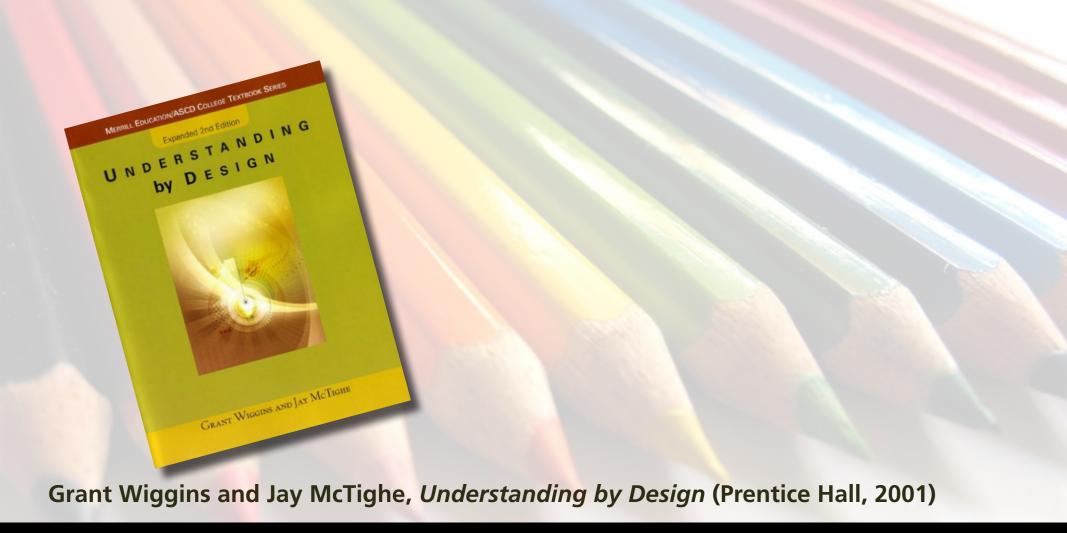


objectivity or injustice?





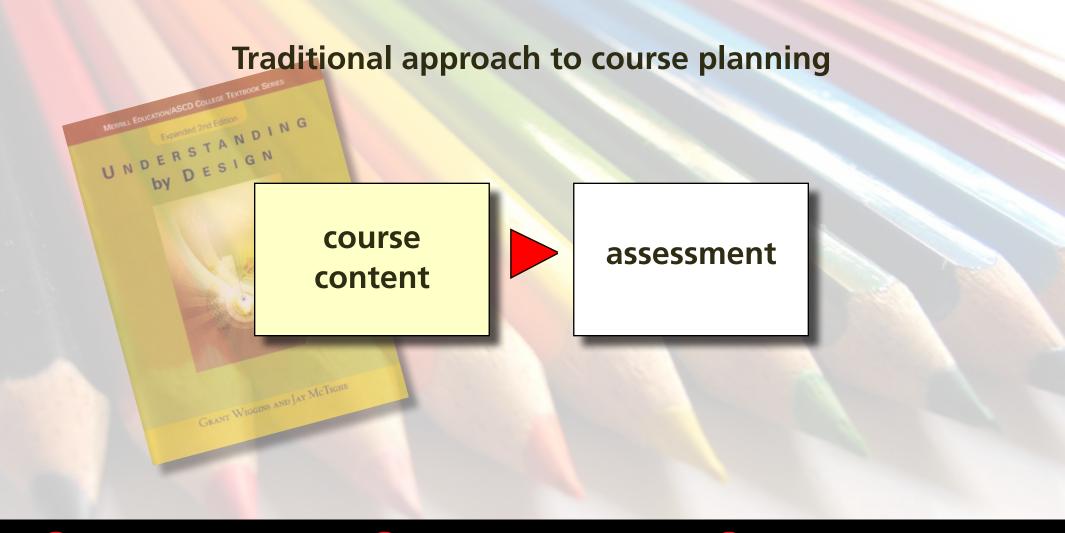
focus on skills, not content



2 problems

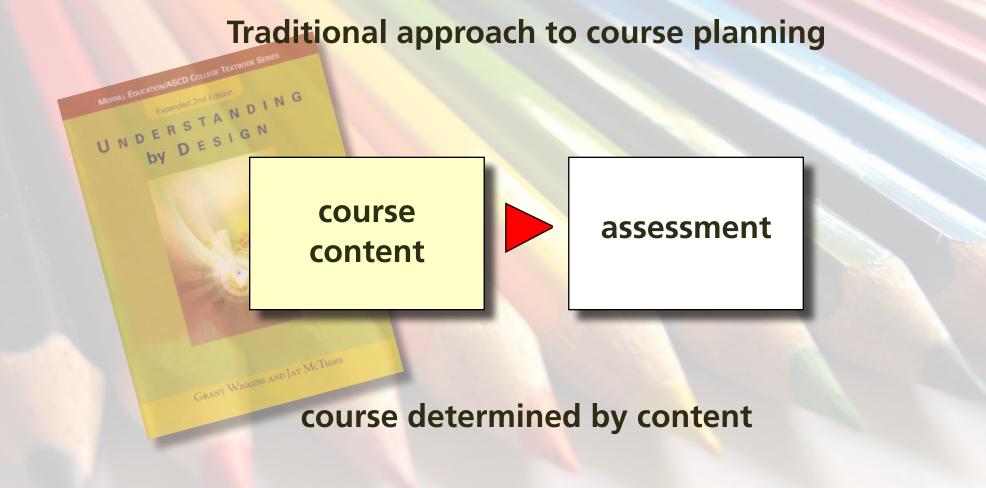










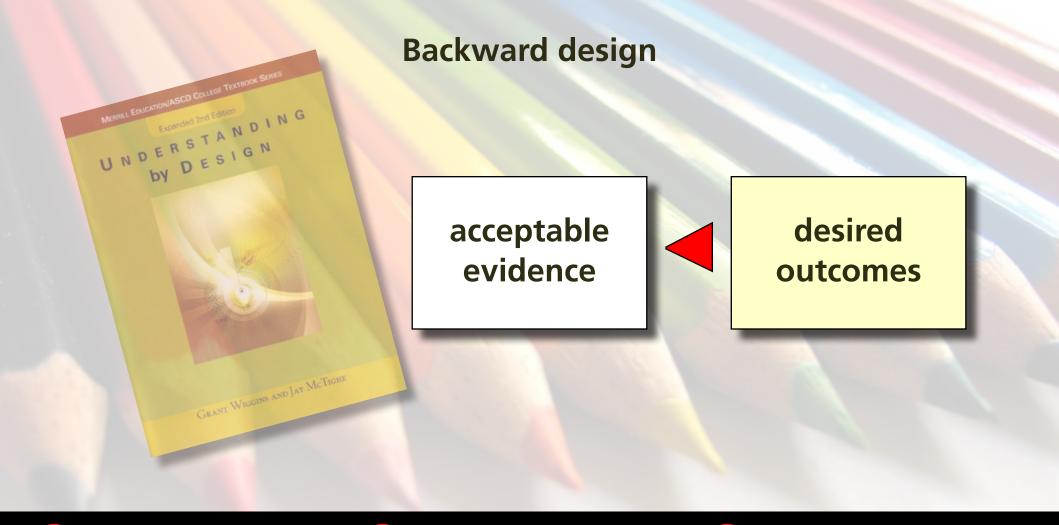




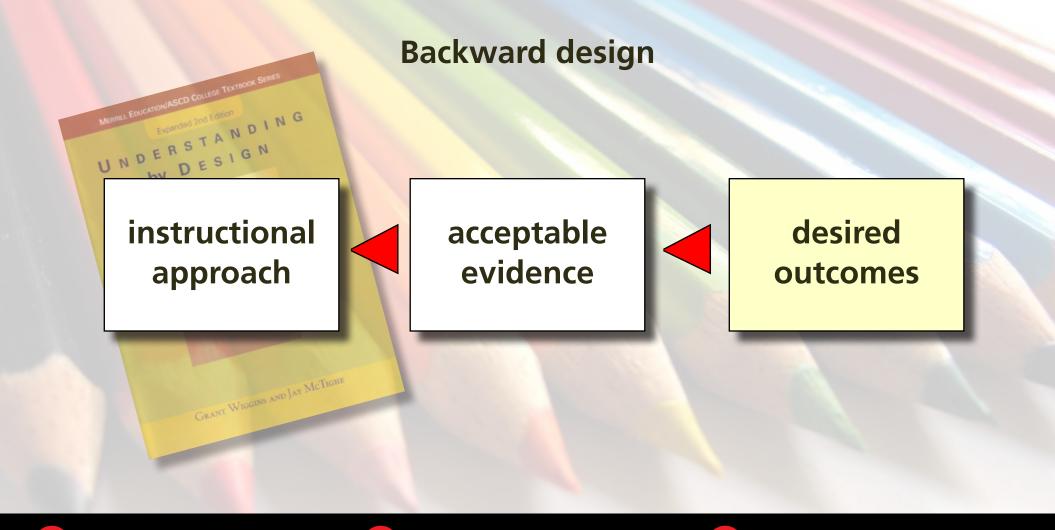




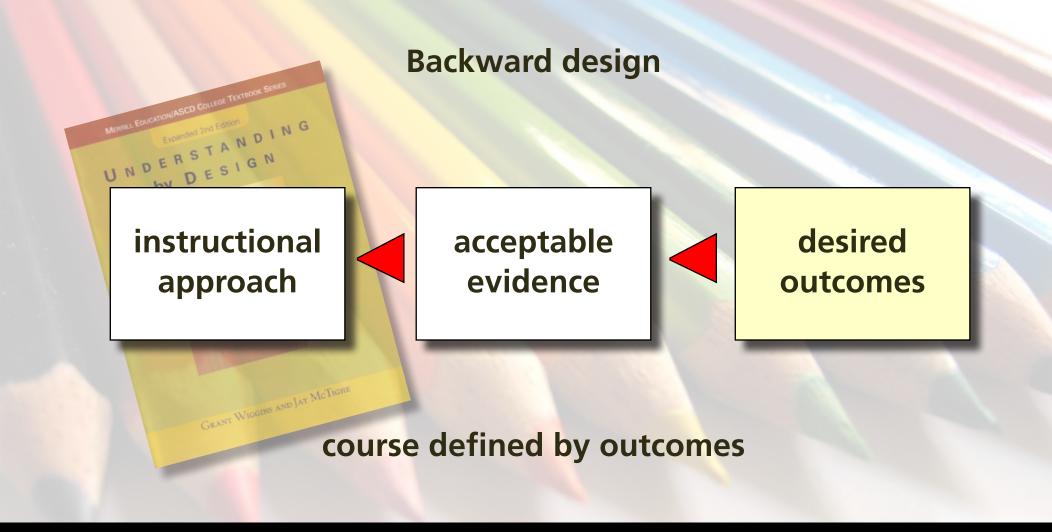
2 problems



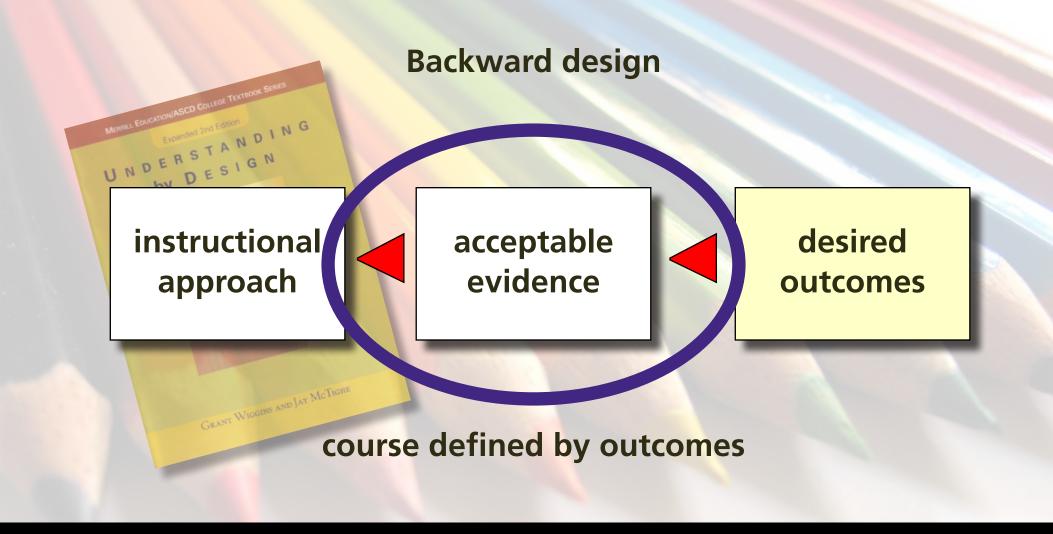
2 problems



2 problems



2 problems



2 problems



resolve coach/judge conflict

st the three important concerns Equilibrium (poring) Describe the Law of definite composition (Dalton's Law): Thermody Namics (boving) Same proportion TATION THINGS to involved substances:

Some proportion of two things to involved substances:

Ont with the proportion of two things to involved substances: involved ... Sometimes t INFRONT OF = love at or Lia problems improvements purposes

st the three important concerns Equilibrium (poring) Describe the Law of definite composition (Dalton's Law): Thermody Namics (boving) Peer-and self-assessment areaty the Sources:

Source proportion of Thinky to involved strategy to stances:

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The proportion of two things to involved strategy. involved ... Sometimes t CUEVONAL OF = lovet or Lia problems purposes improvements

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rethink assessment





ericmazur.com

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