Assessment: The silent killer of learning





Assessment: The silent killer of learning









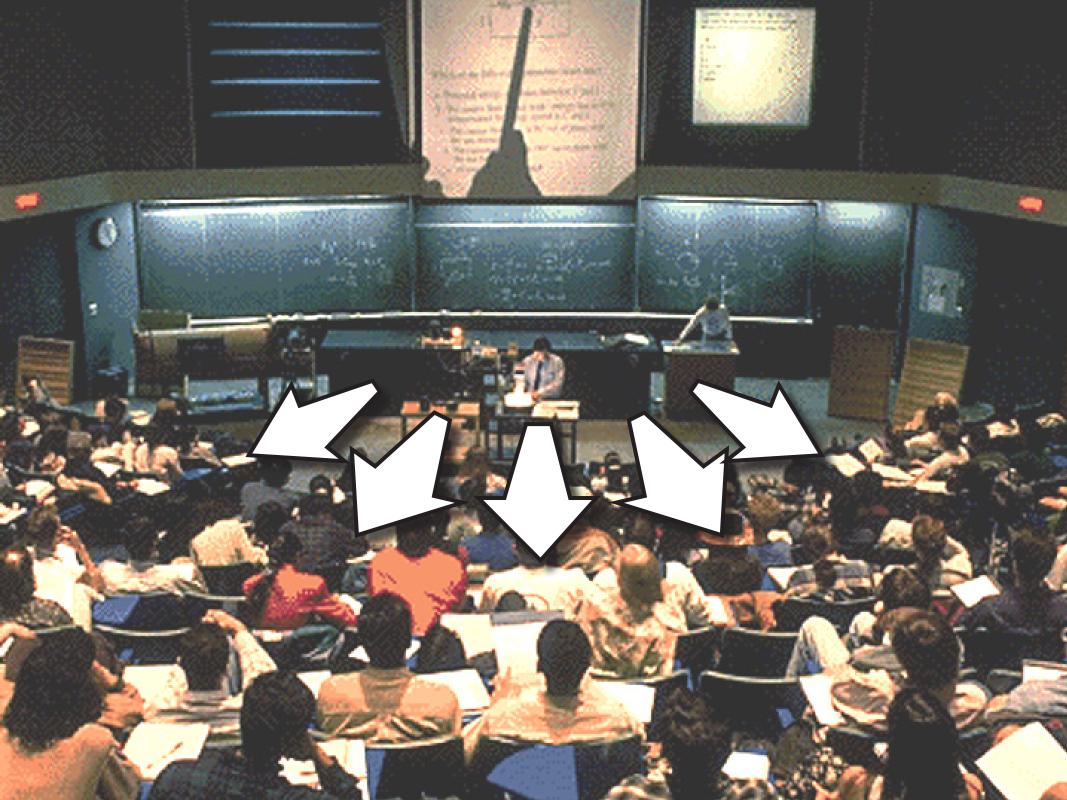


we only guarantee they'll pass the test



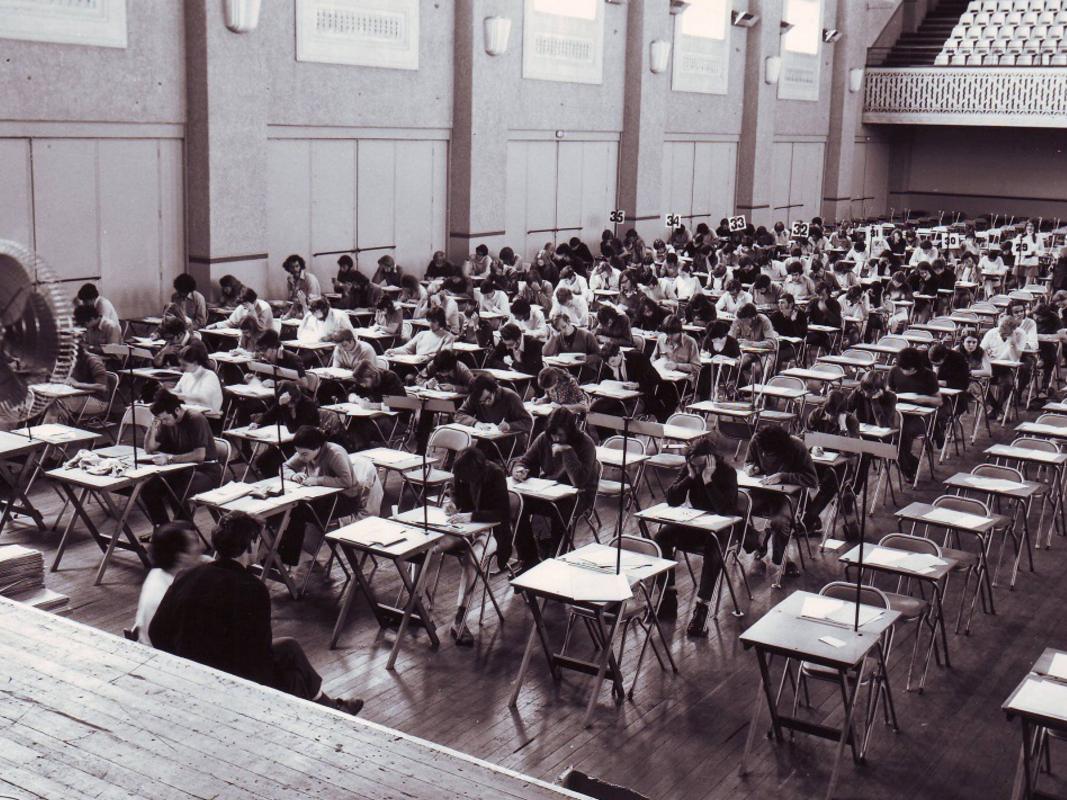
5-minute university



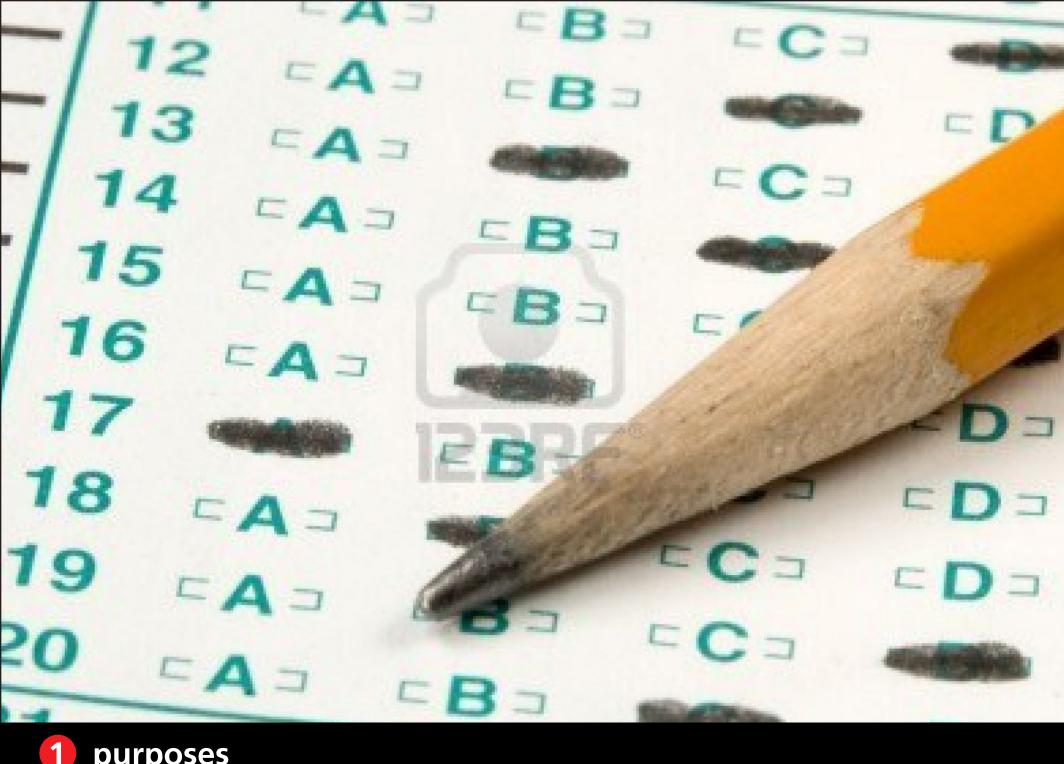


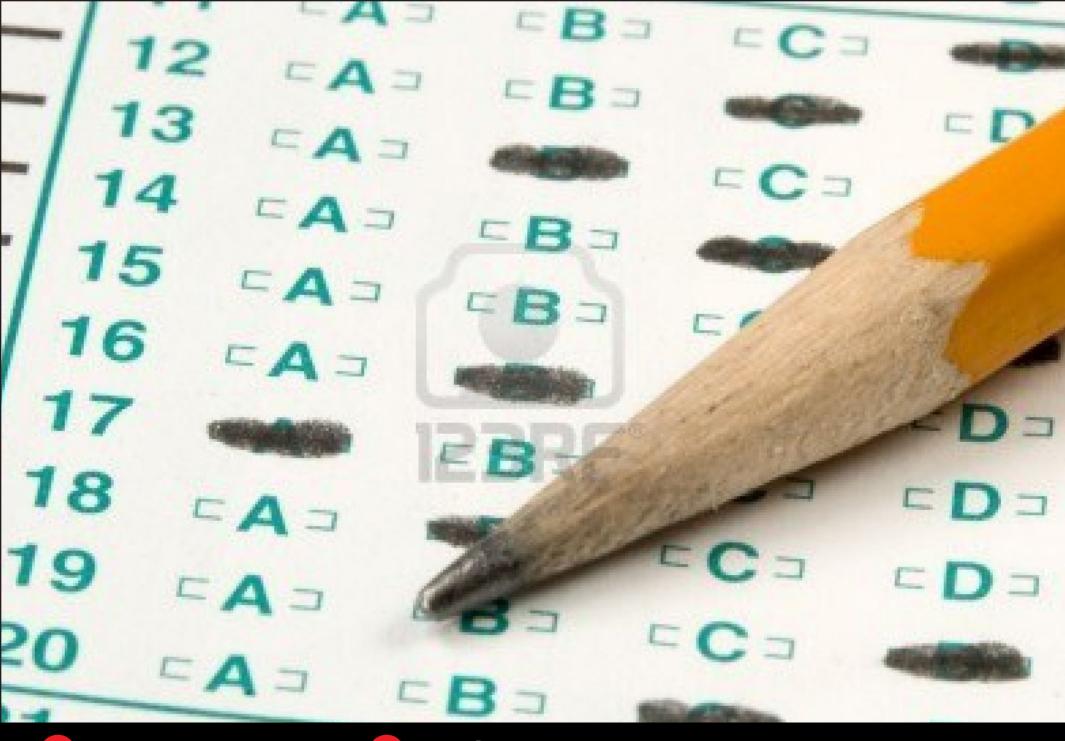






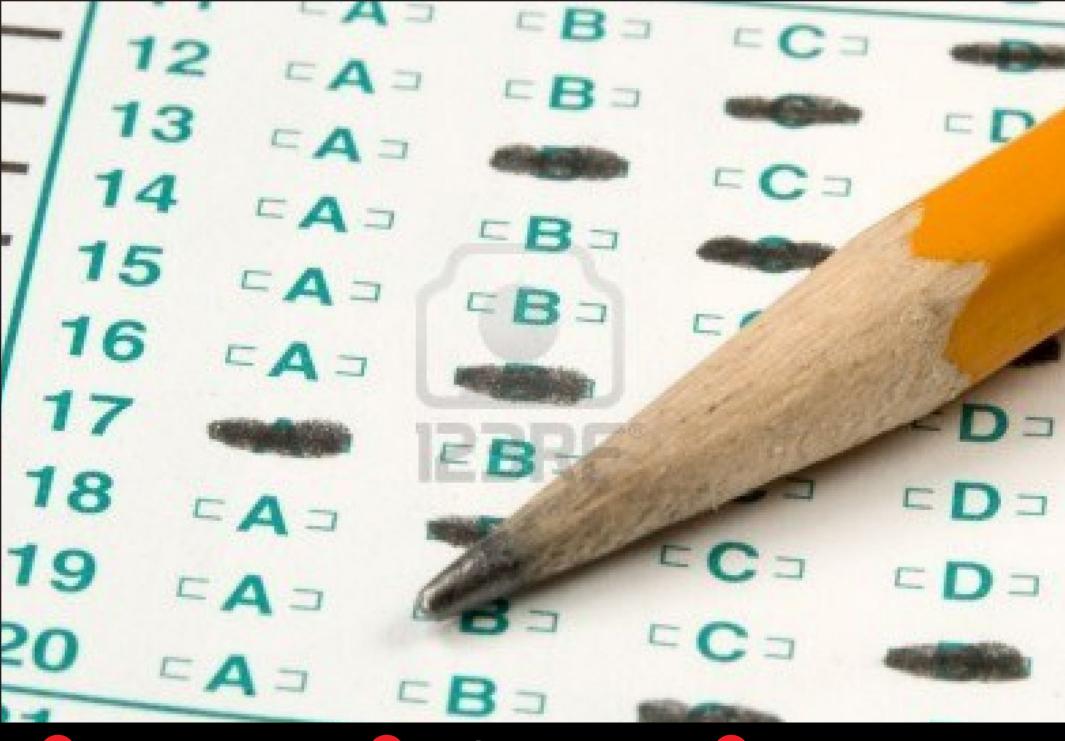






1 purposes

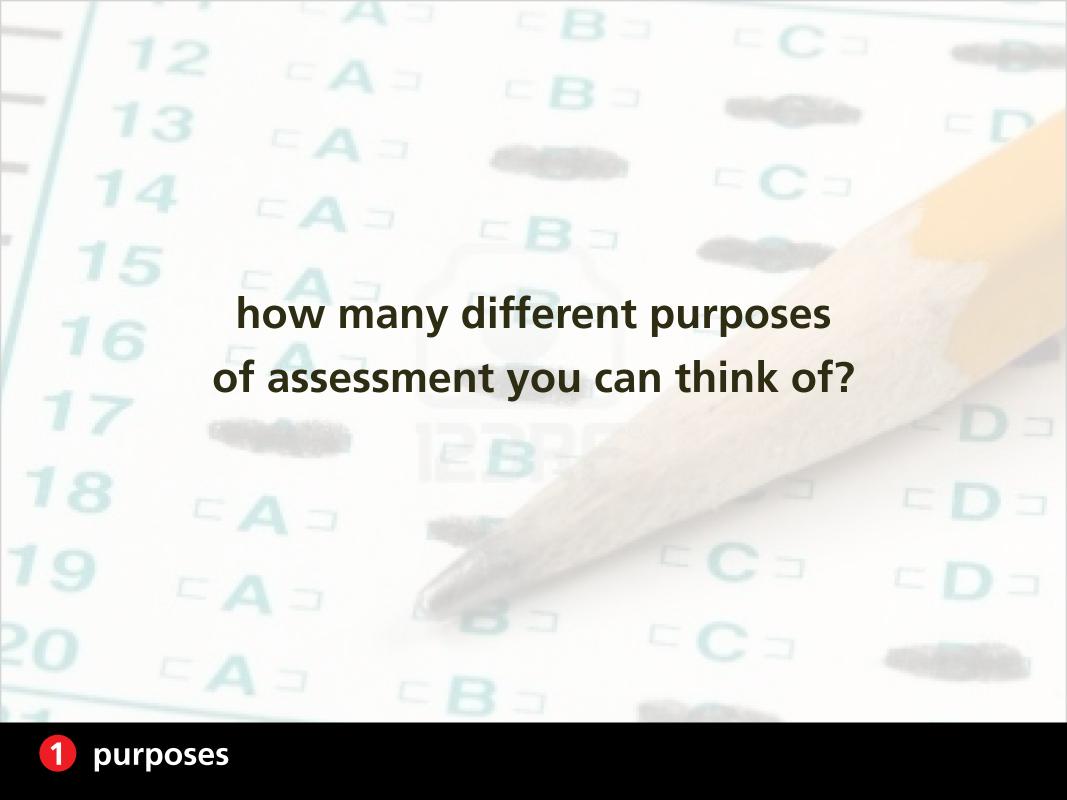
2 problems



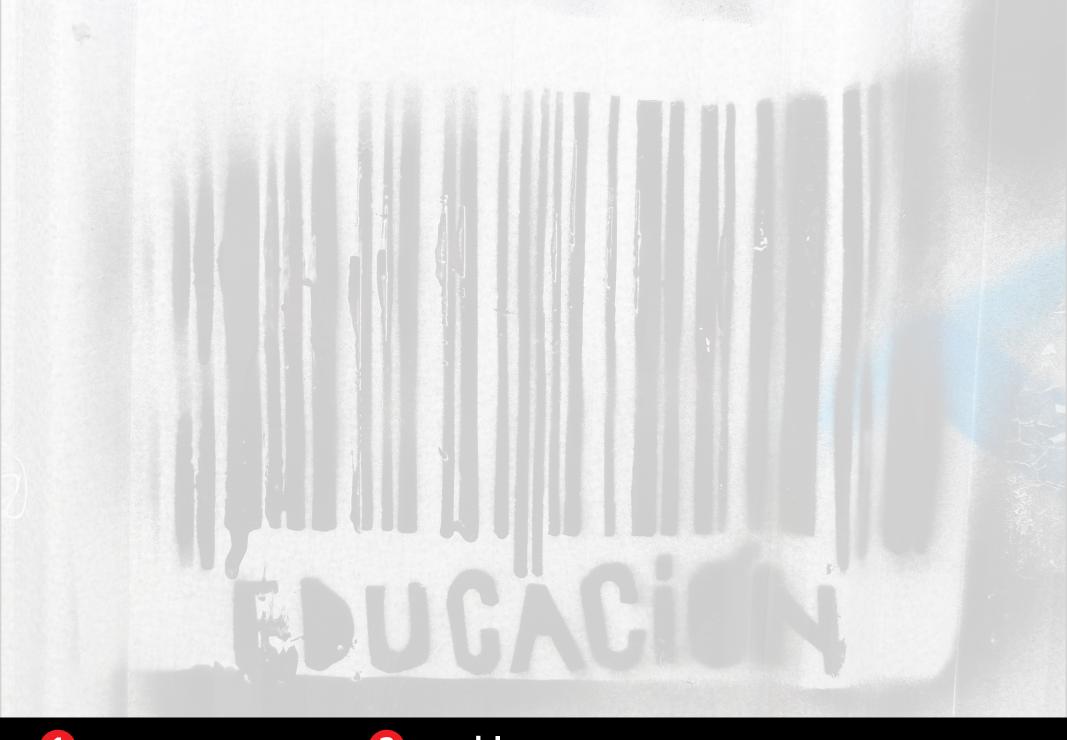
purposes

2 problems

3 improvements

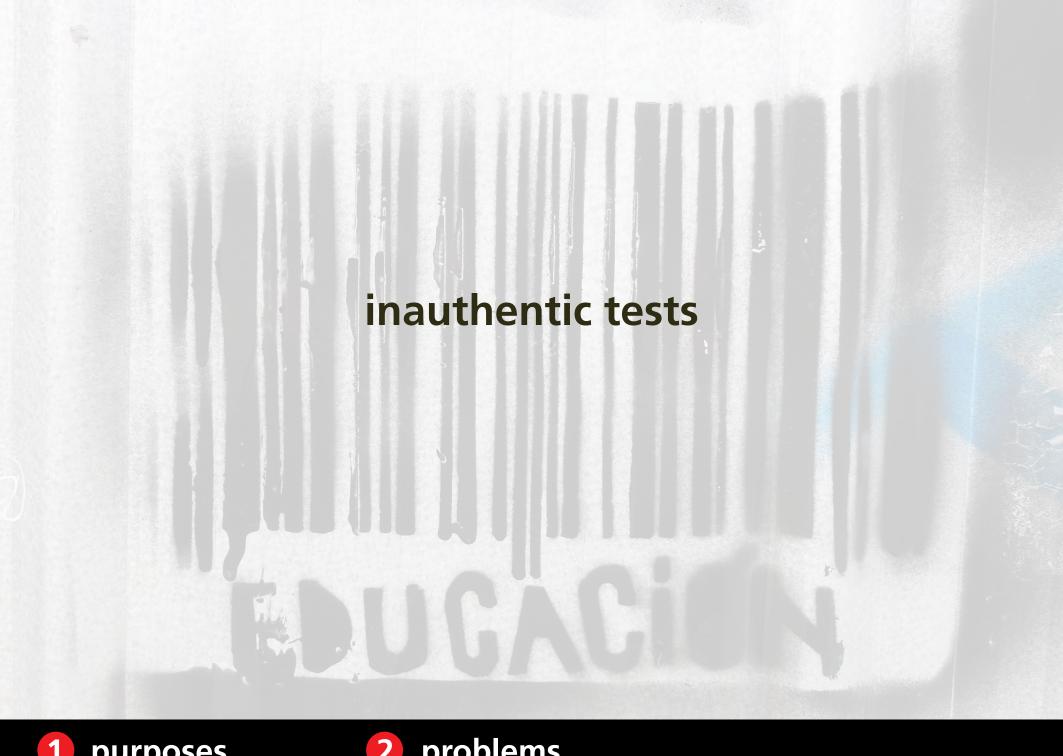


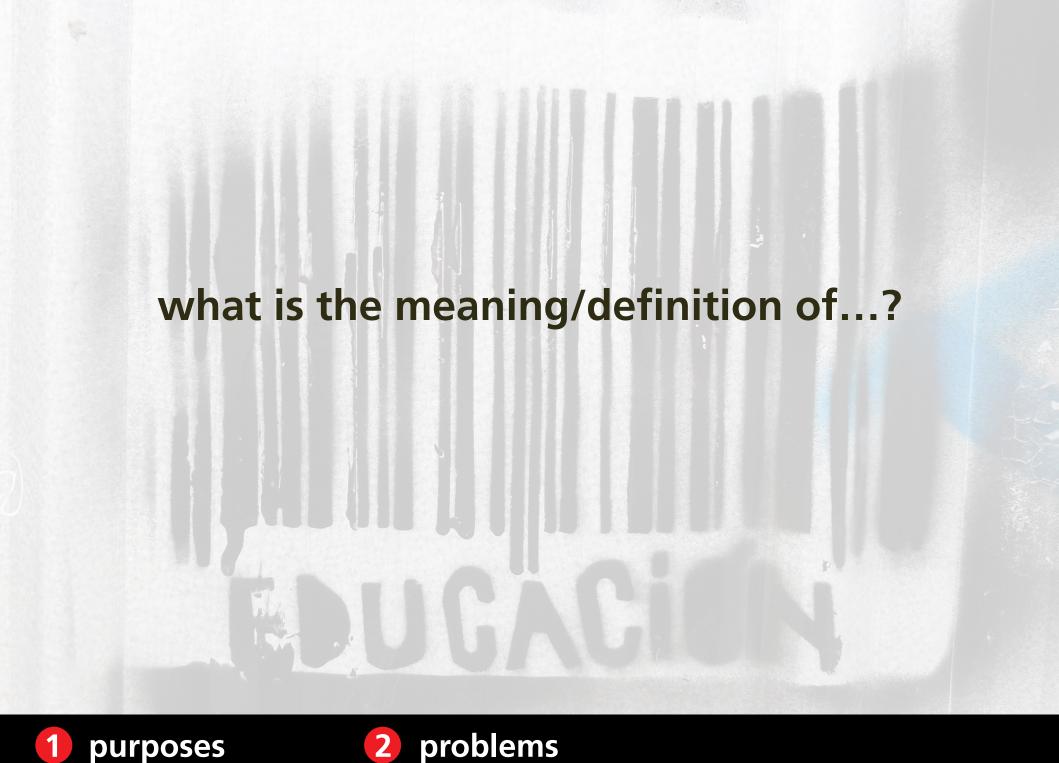
- 1. rate students
- 2. rate professor and course
- 3. motivate students to keep up with work
- 4. provide feedback on learning to students
- 5. provide feedback to instructor
- 6. provide instructional accountability
- 7. improve teaching and learning

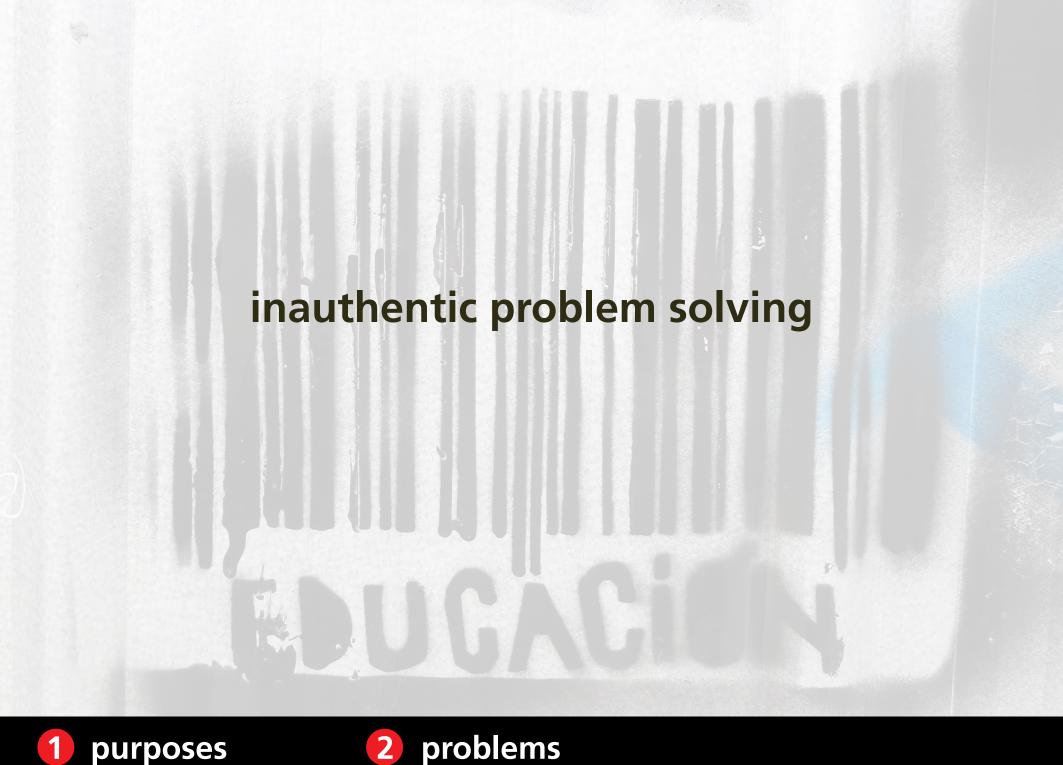


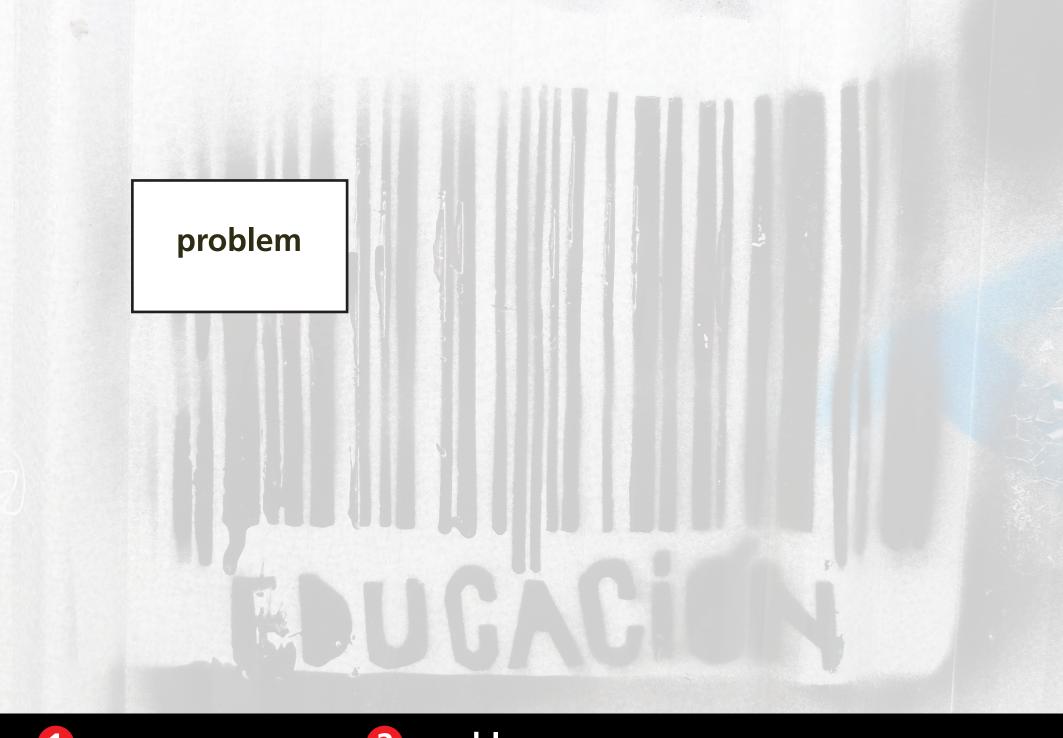
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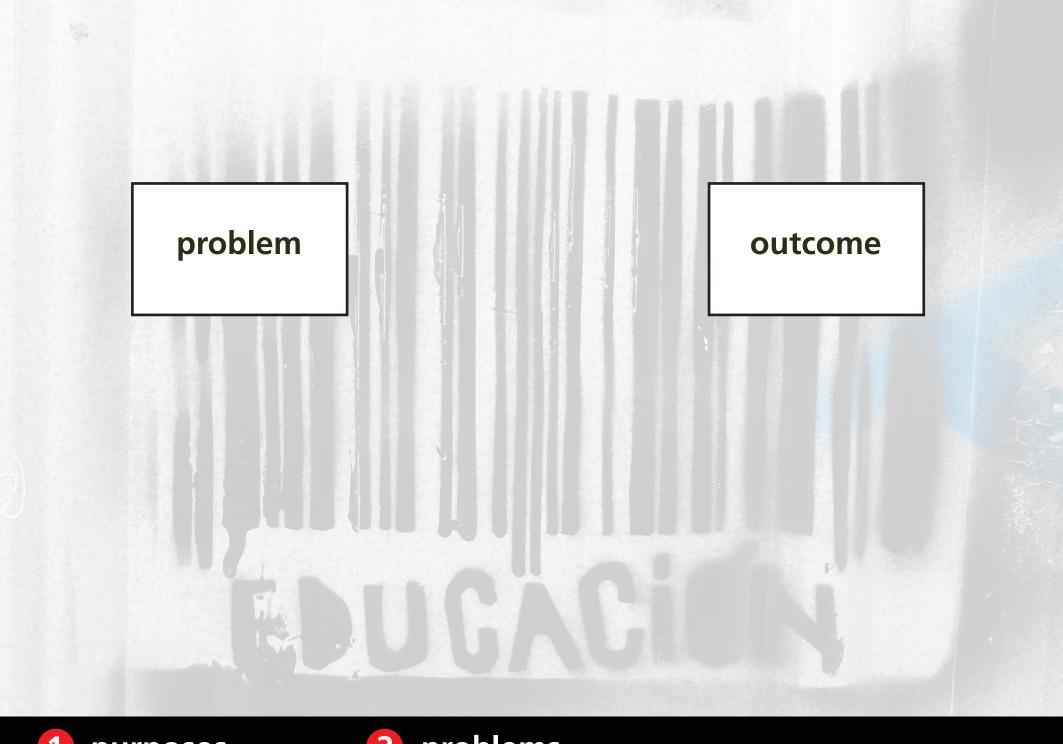
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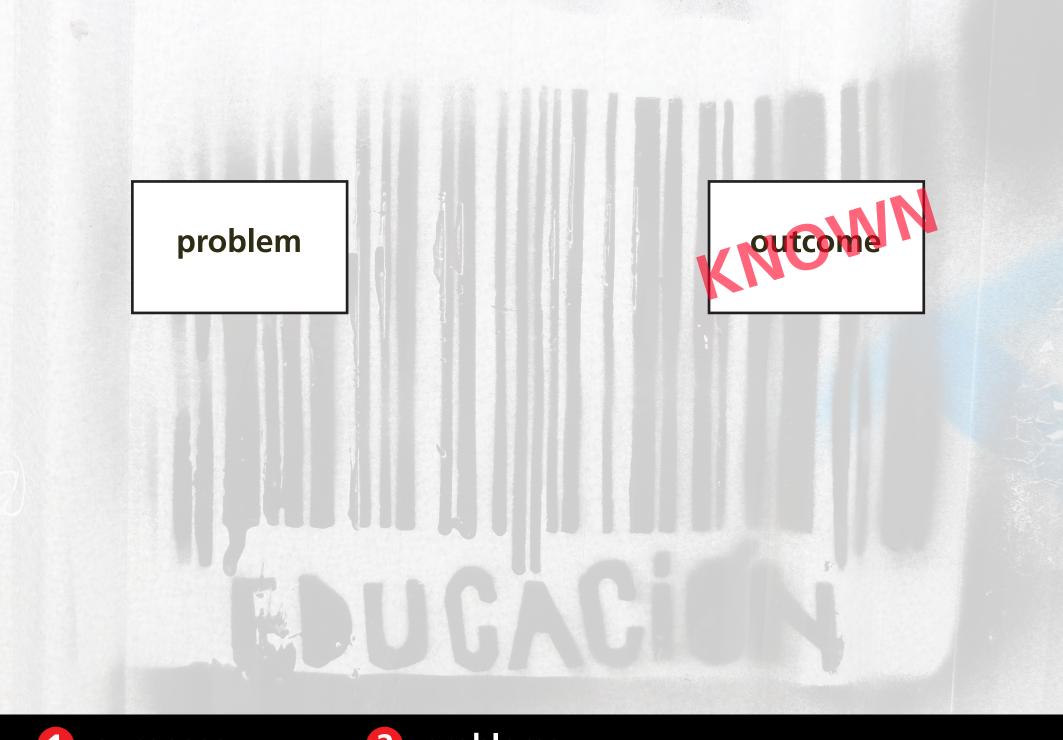




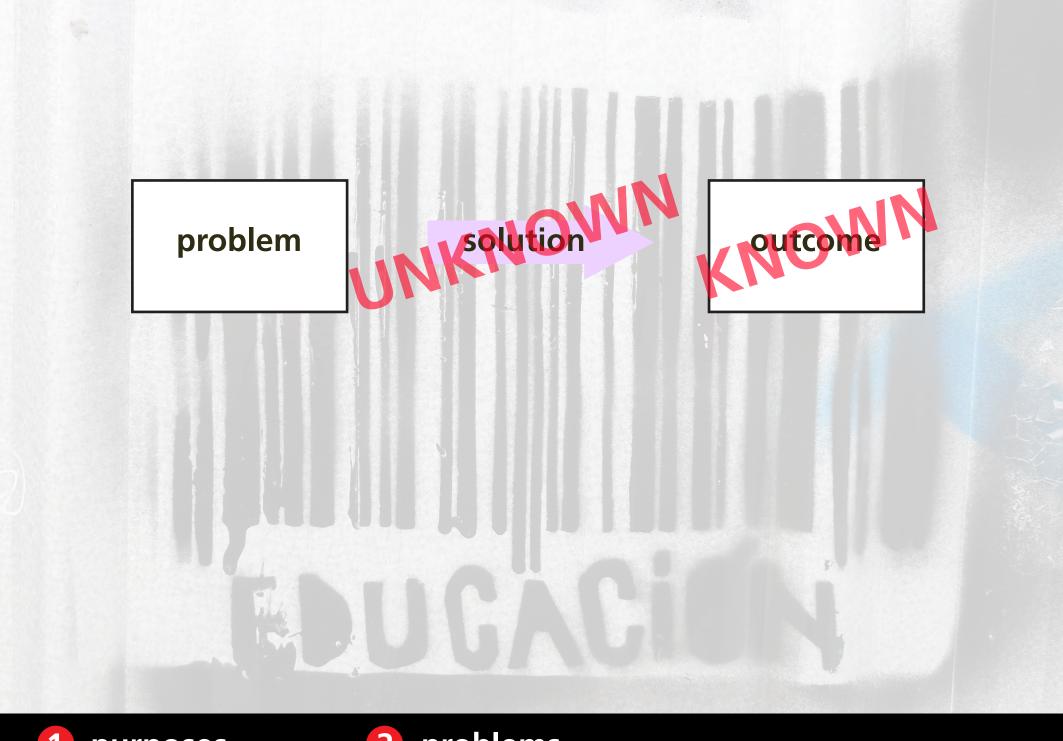








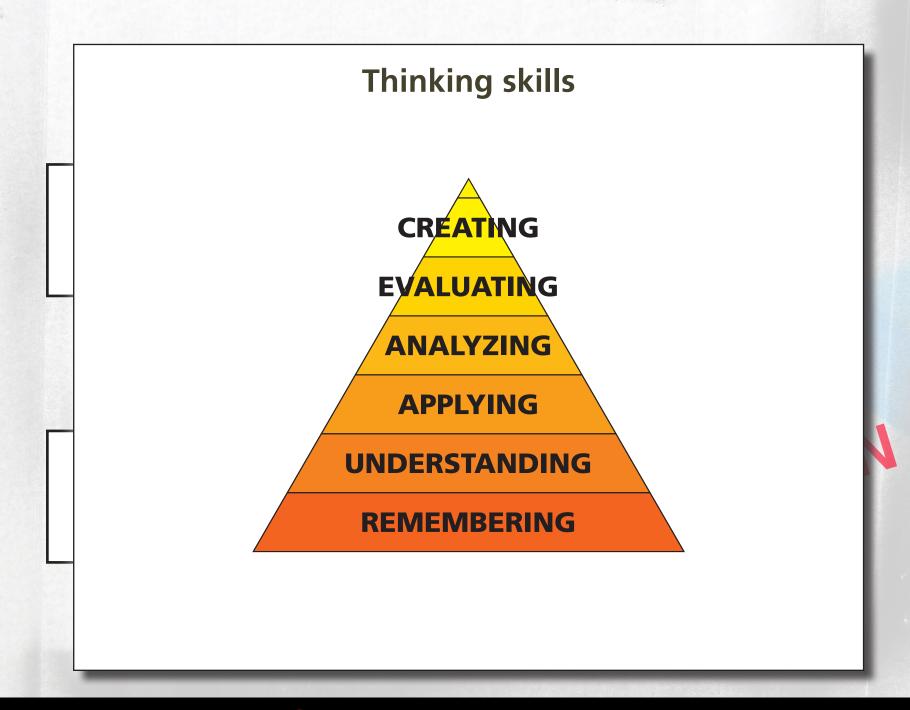












On a Saturday afternoon, you pull into a parking lot with unmetered spaces near a shopping area. You circle around, but there are no empty spots. You decide to wait at one end of the lot, where you can see (and command) about 20 spaces.

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

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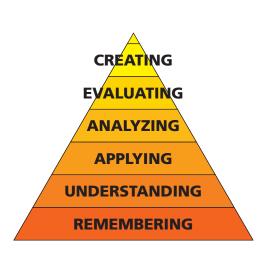
Requires:

Assumptions Developing a model Applying that model 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.

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Requires:

Assumptions
Developing a model
Applying that model

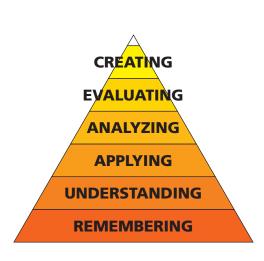


On a Saturday afternoon, you pull into a parking lot with unmetered spaces near a shopping area. You circle around, but there are no empty spots. You decide to wait at one end of the lot, where you can see (and command) about 20 spaces. On average people shop for 2 hours.

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

Requires:

Assumptions Developing a model Applying that model

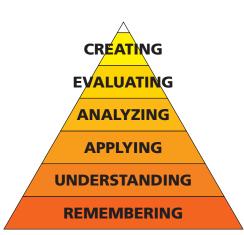


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Assuming people leave at regularly-spaced intervals, how long do you have to wait before someone frees up a space?

Requires:

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Applying that model

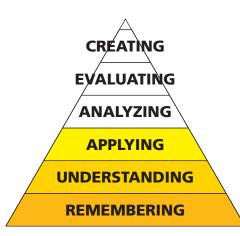


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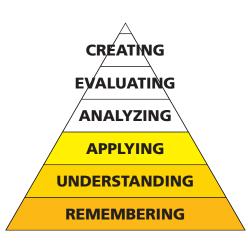
Requires:

Assumptions
Developing a model
Applying that model



On a Saturday afternoon, you pull into a parking lot with unmetered spaces near a shopping area, where people are known to shop, on average, for 2 hours. 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.

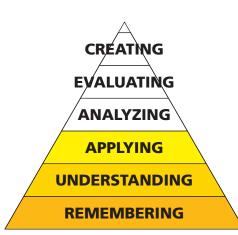
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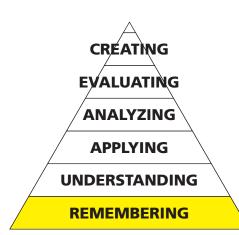
$$t_{wait} = \frac{T_{shop}}{N_{spaces}}$$

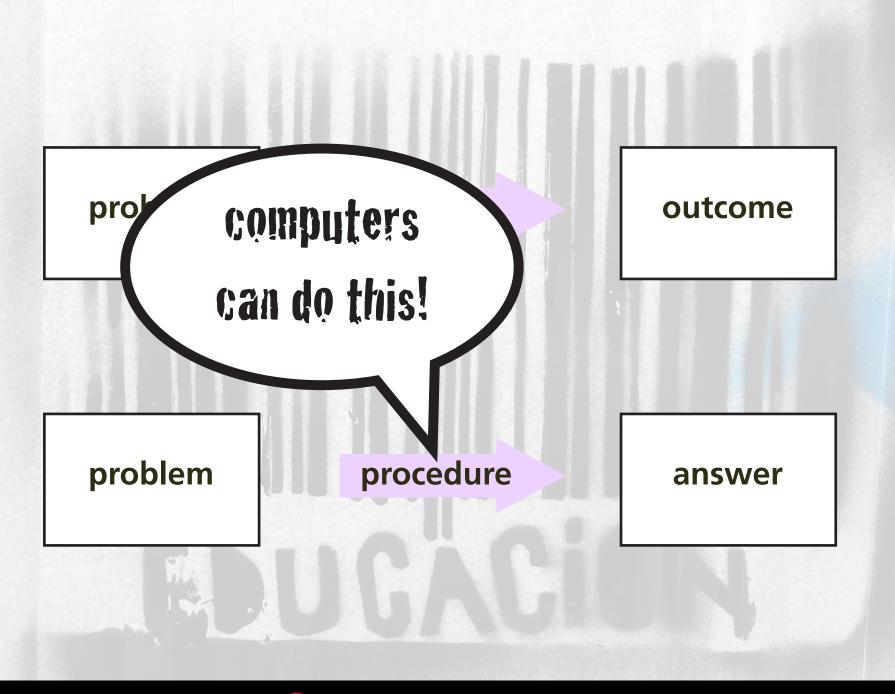


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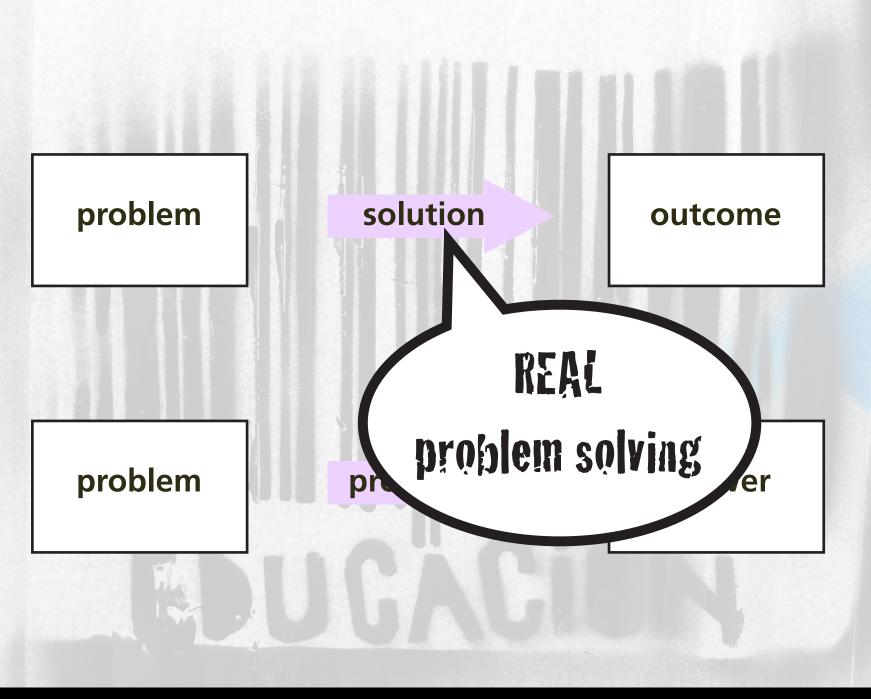
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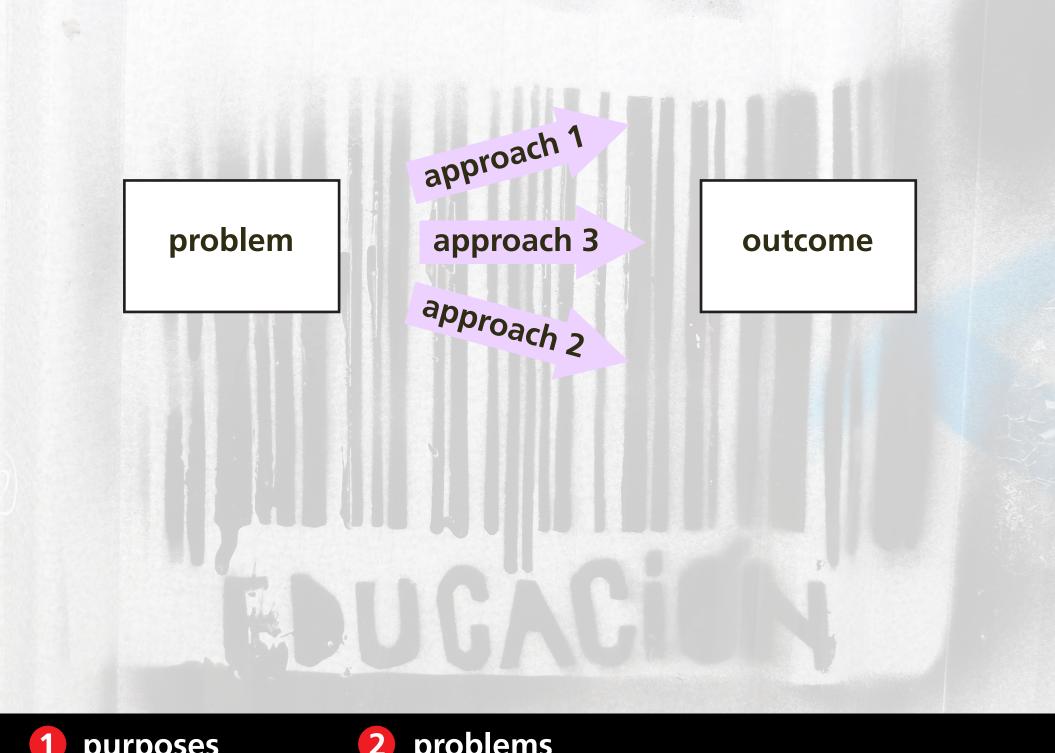








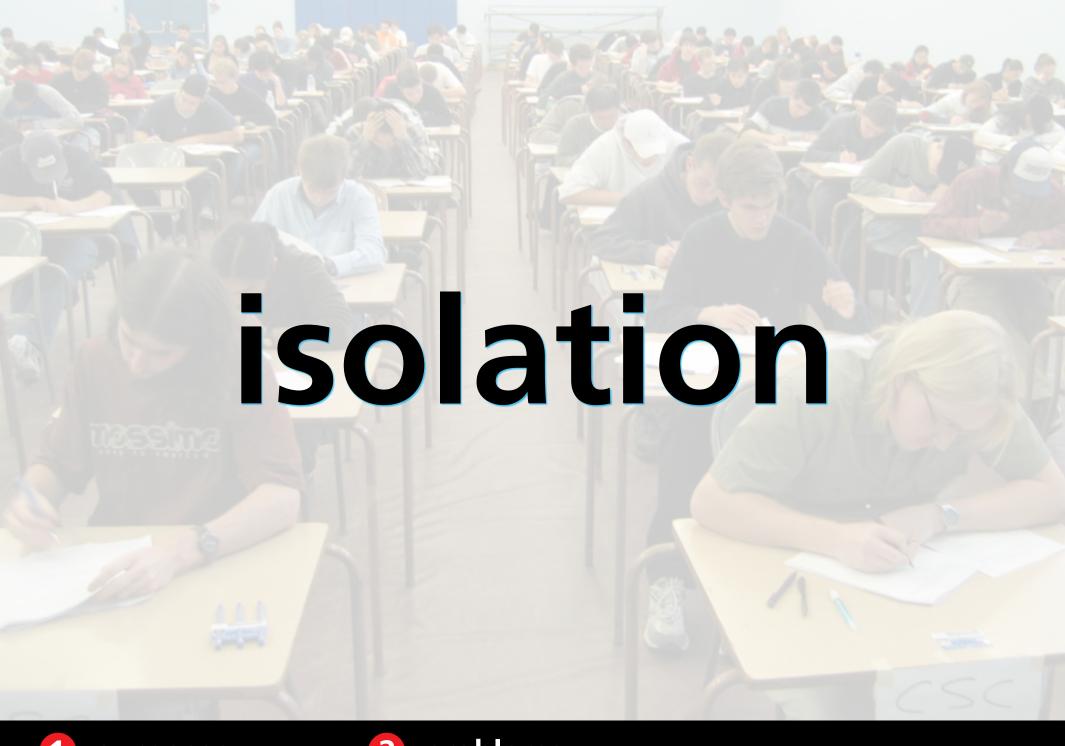




problem approach 3 outcome

grading incompatible with real problem solving



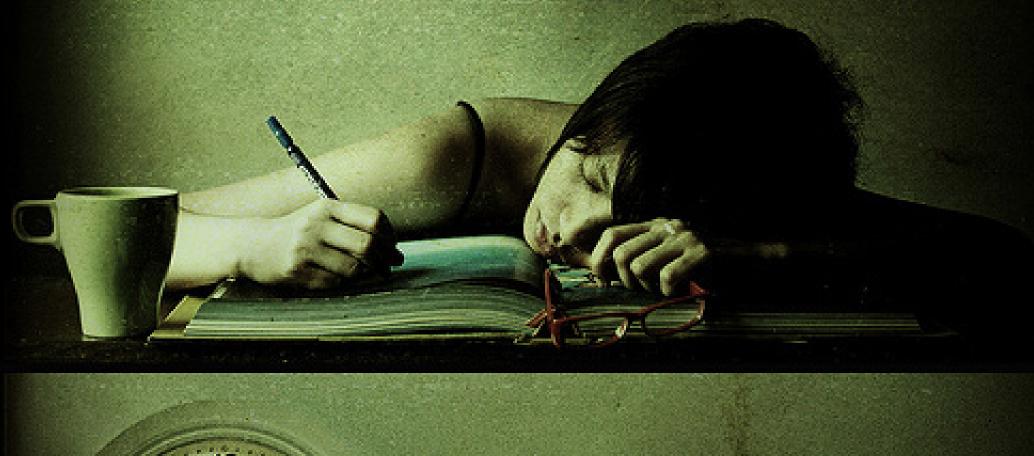


Math. 302-02, Final Ham

4) We will use spherical coordinates: 0 = p = Tr. The 059544 056521, integral is thus: Dince the third integral equals O Direction vectors for the plane are

1 purposes

high-stakes examinations promote cramming





1 purposes

information stored in short-term memory

10 11 2



chemical reaction does one of two things to involved substantial INCHARGE OF decreases the ENPRY OF the SUNGTURNLOS grades: measure of standing relative to others

A CREDIT

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hemical reaction does one of two things to involved substitution INCHPASES OF decreases the LNCTOTOTOTOTOTOTOTOTOTOTO imvolved ... Sometimes through grades: measure of standing relative to others

feedback: reflection on what has been learnt ore not based on acuracy, not drawing ab problems purposes

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Her Mody Namic S (boy) Wow Wow Law):

King Composition (Dalton's Law):

(ont with exact by the produces a conflict to aparty Layth

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Ther Mody Namic S (boy Chicker Wow. Dalton's Law):

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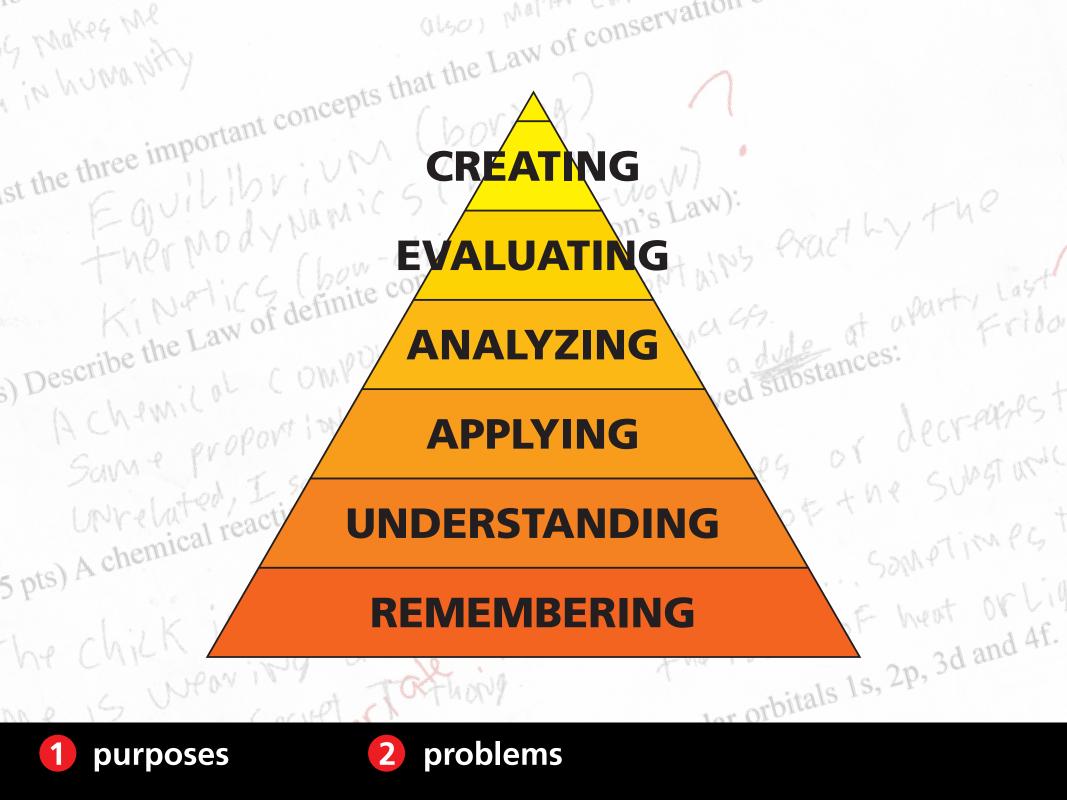
[N'related I save no of two things to involved substances:

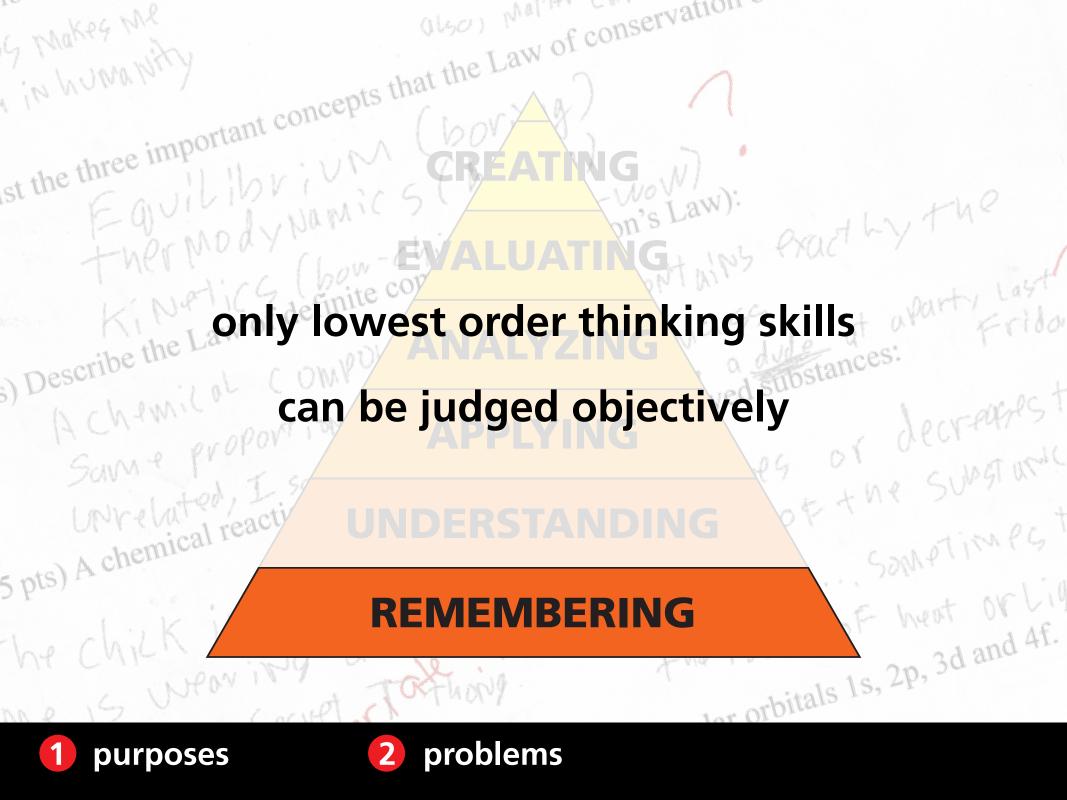
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5 pts) A chemical reaction does one of two things to involved substances. INVOLVED ... SOMPTIMPS + he chick in Front of the FORM OF heat Or Lig no e 15 whar into a whitefor orbitals 1s, 2p, 3d and 4f. wet Toffhorig problems purposes





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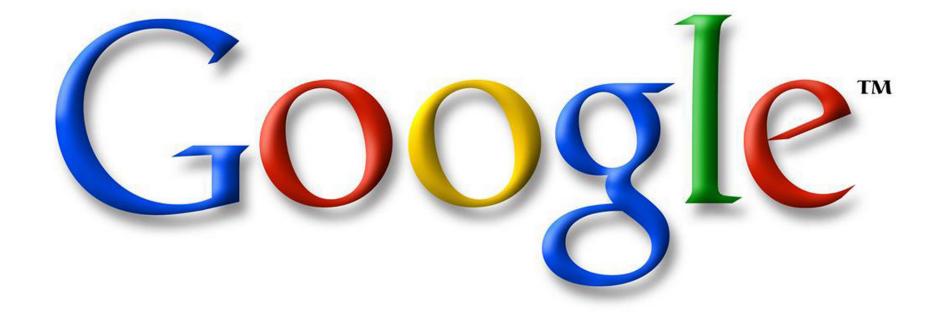


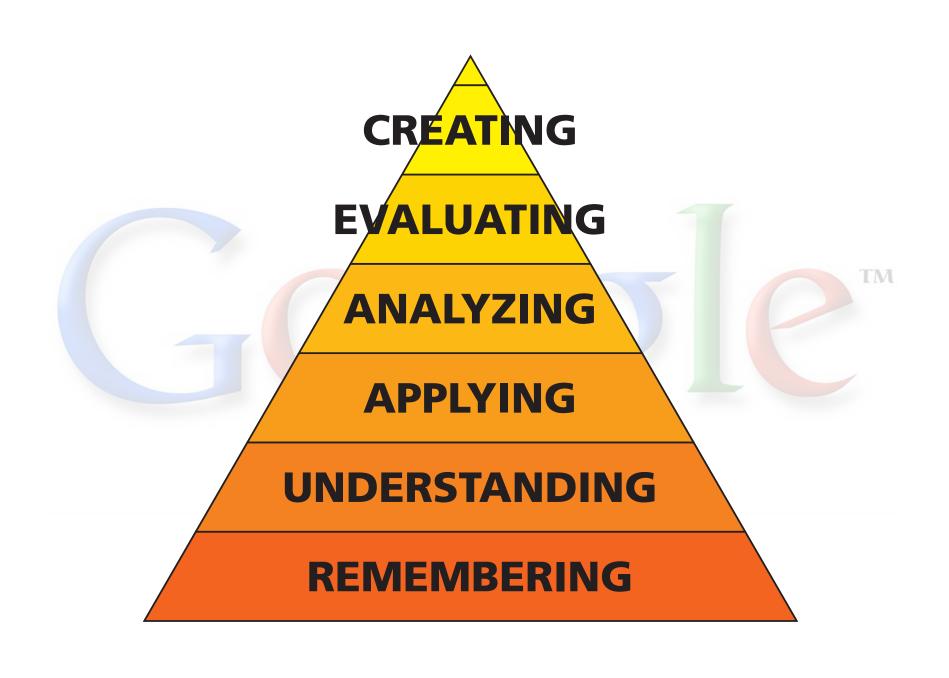
problems

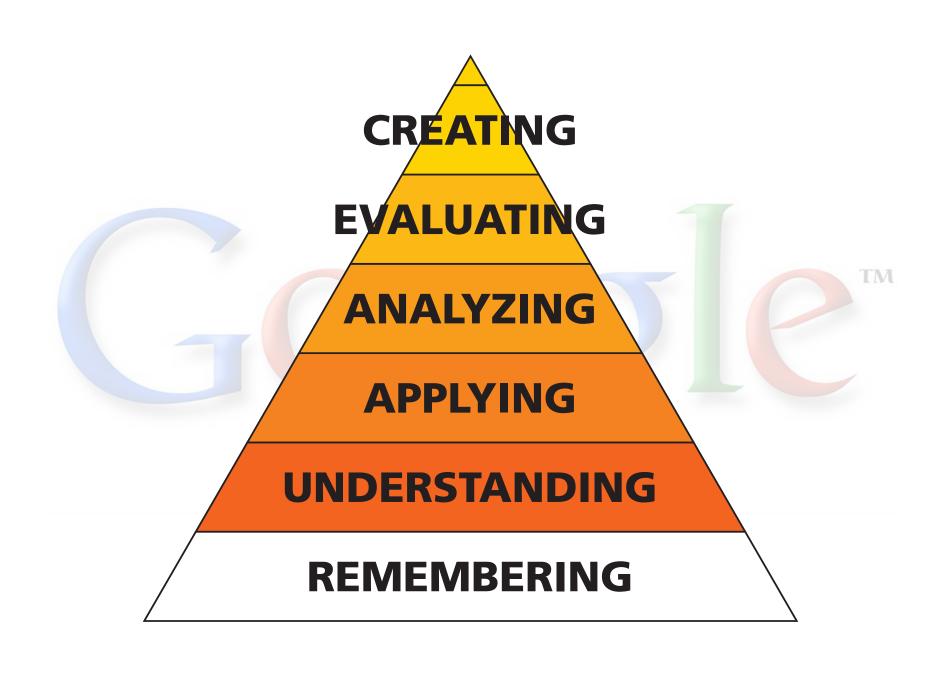
improvements



open-book exam

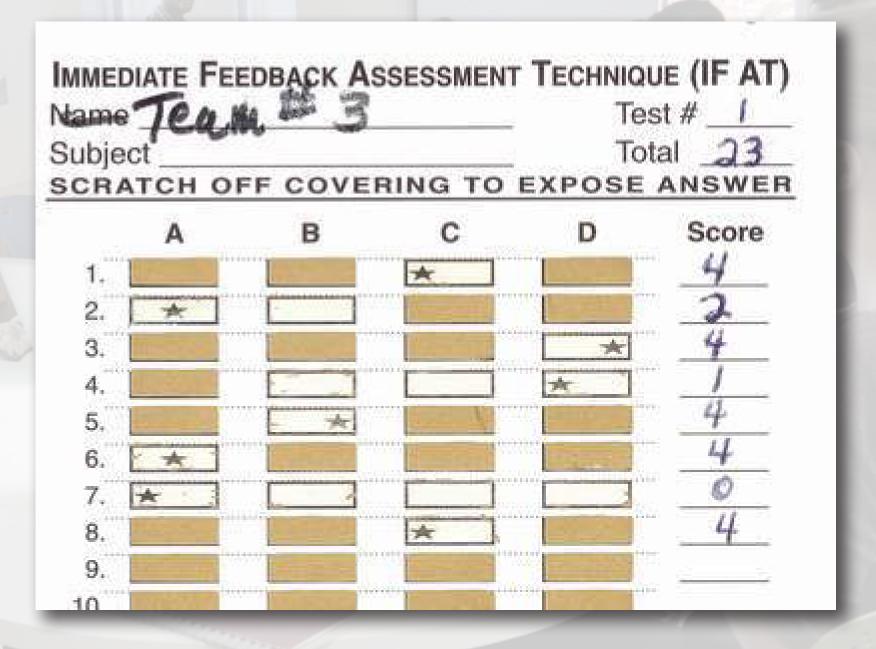








1 what





2 problems

improvements

Questions Courses Classrooms Licenses Tour Help

session 445949

This is the team round. If you respond to a question, it will count for your entire team (you, Brent Jones, Beth Sawyer, and team should respond to each question (otherwise it will count as multiple attempts).



Jump to ▼

Show my team's responses

6x-6Brian Lukoff 6x **Brent Jones**

6x-6 Beth Sawyer

 $6x^2-6$ Kip Harmon

expression question

What is the derivative of $f(x) = 3x^2 - 6x$?

Submit response

For example, enter x^2 for x^2 , $\ln(y) - \sin(x)$ for $\ln y - \sin x$, x/(y+1) for $\frac{x}{y+1}$, (1/2)x for $\frac{1}{2}x$, etc.

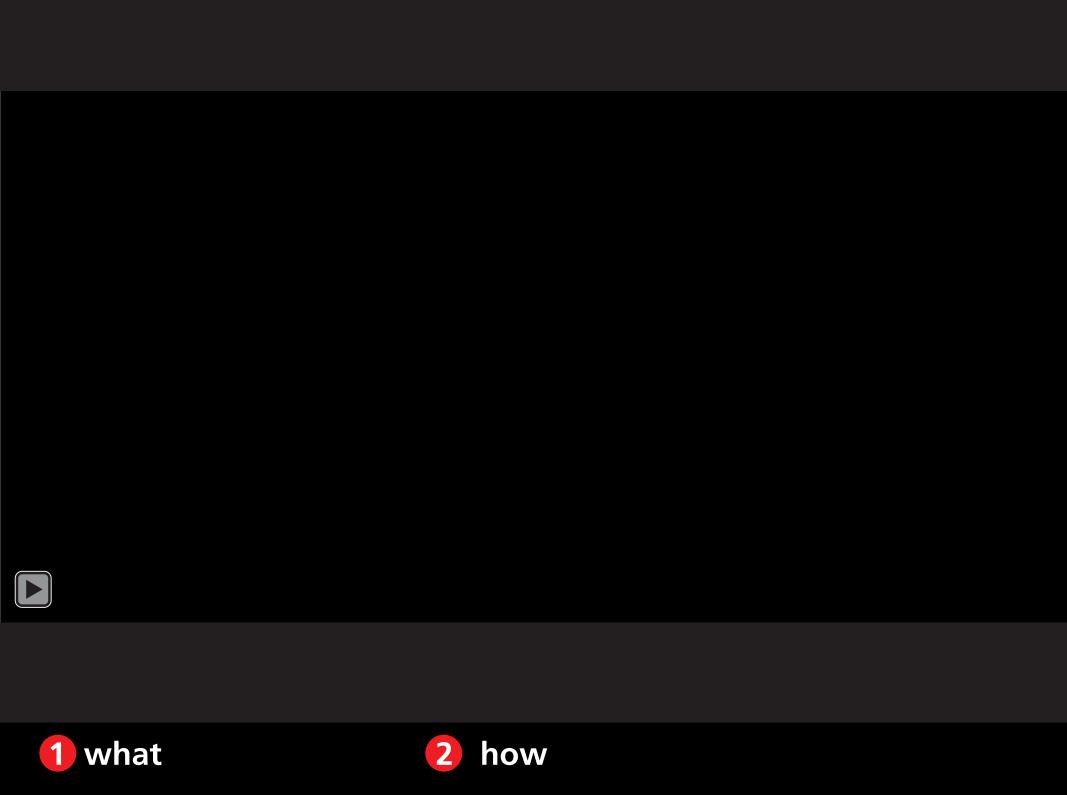
0/2 questions attempted, 0/0 possible points so far in team round Score details

Current team: Blue team 🤼 Change team

Change seat

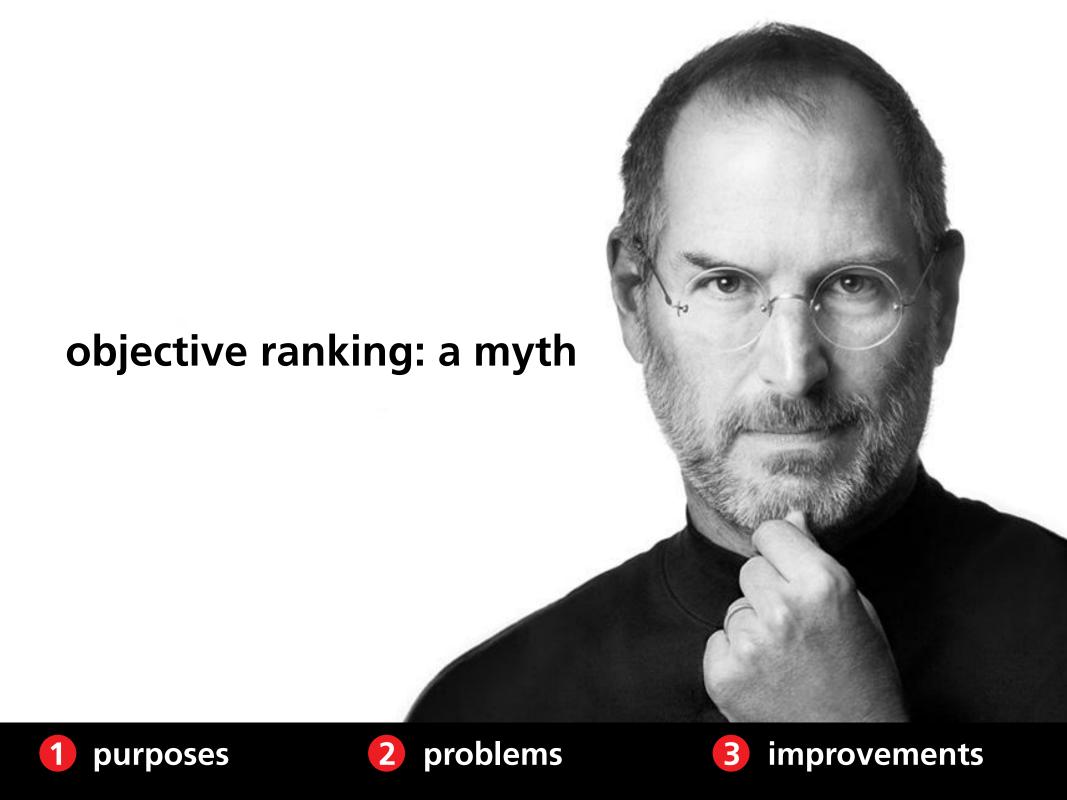
Send a message to the instructor

👉 Joir

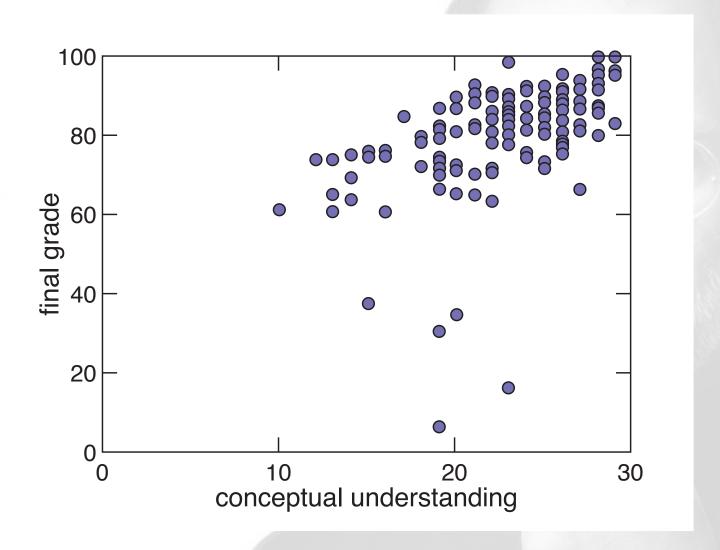




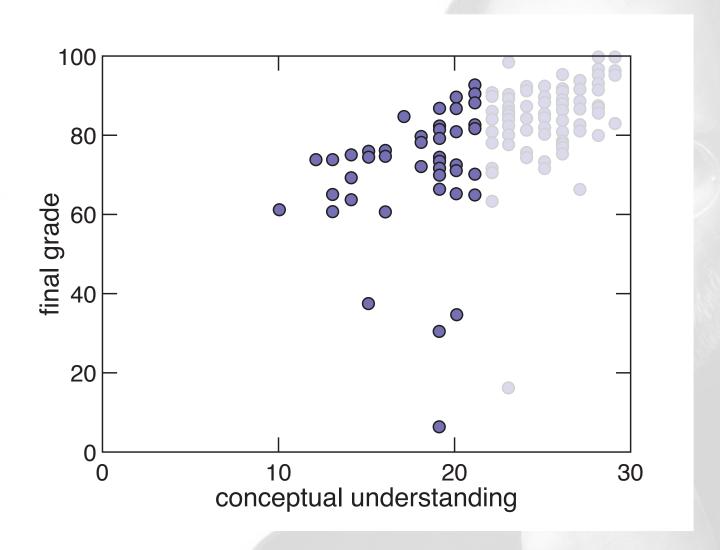
focus on feedback, not ranking



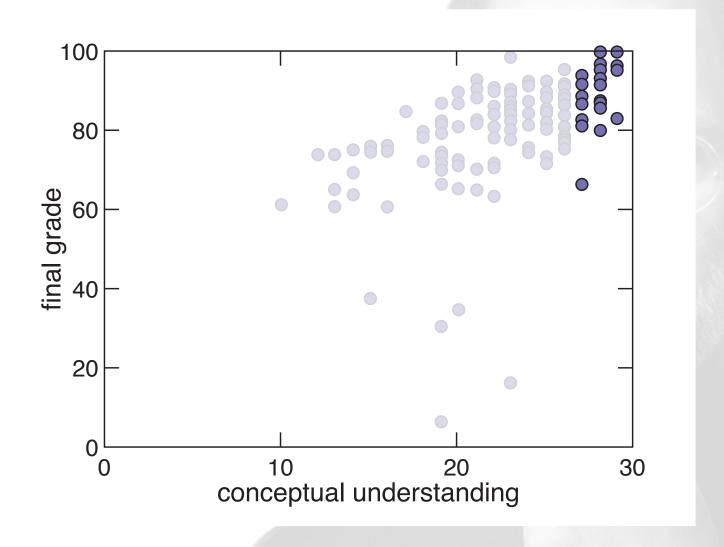
2 metrics, 2 results



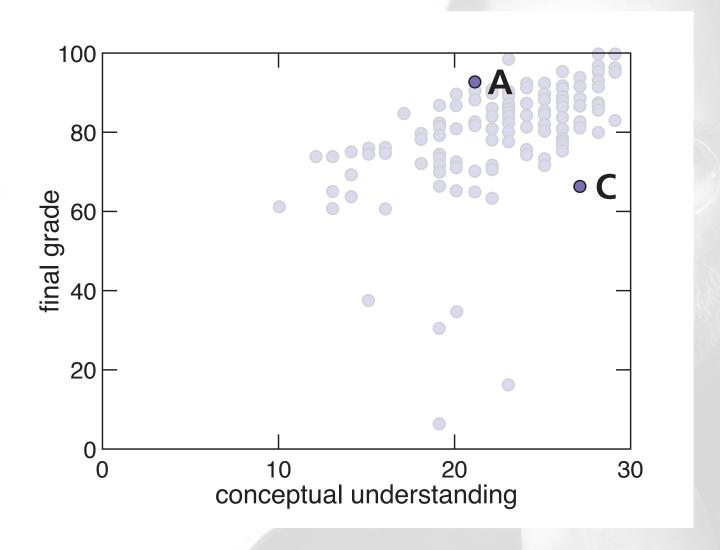
Aristotelian thinkers



top performers, broad grade distribution

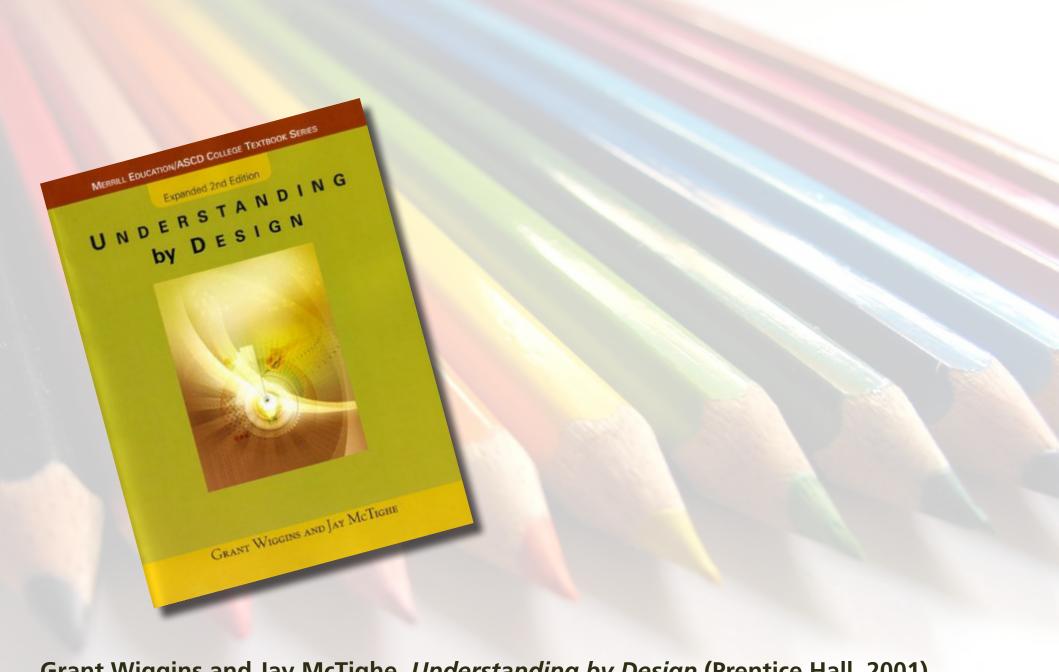


objectivity or injustice?





focus on skills, not content

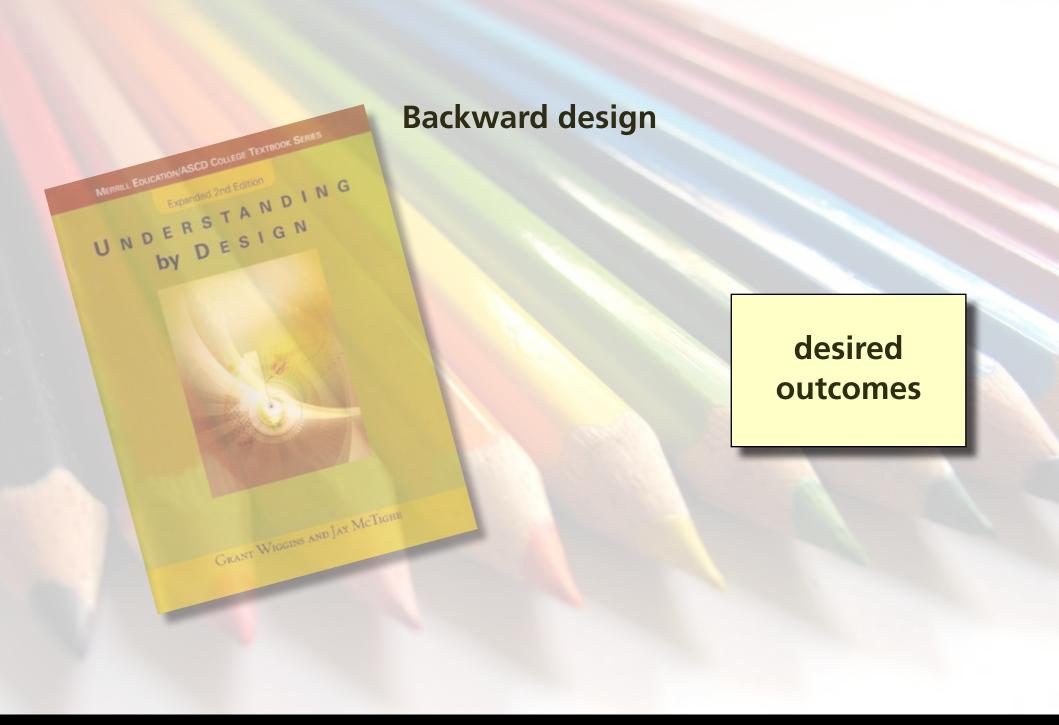


Grant Wiggins and Jay McTighe, Understanding by Design (Prentice Hall, 2001)

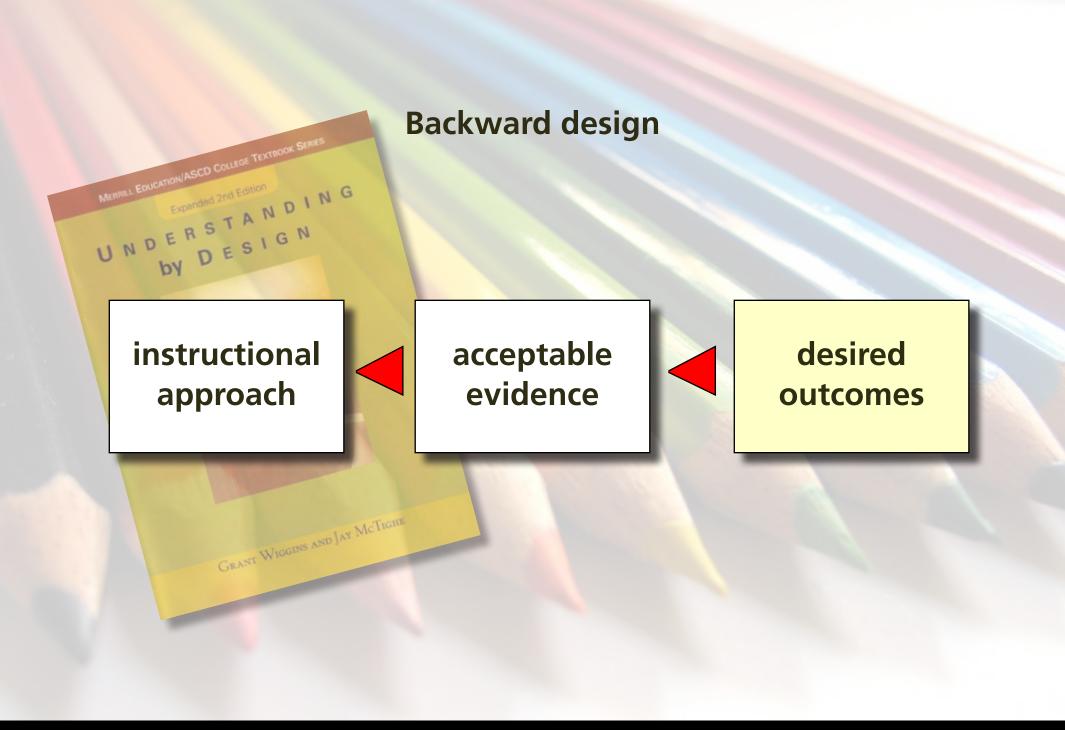


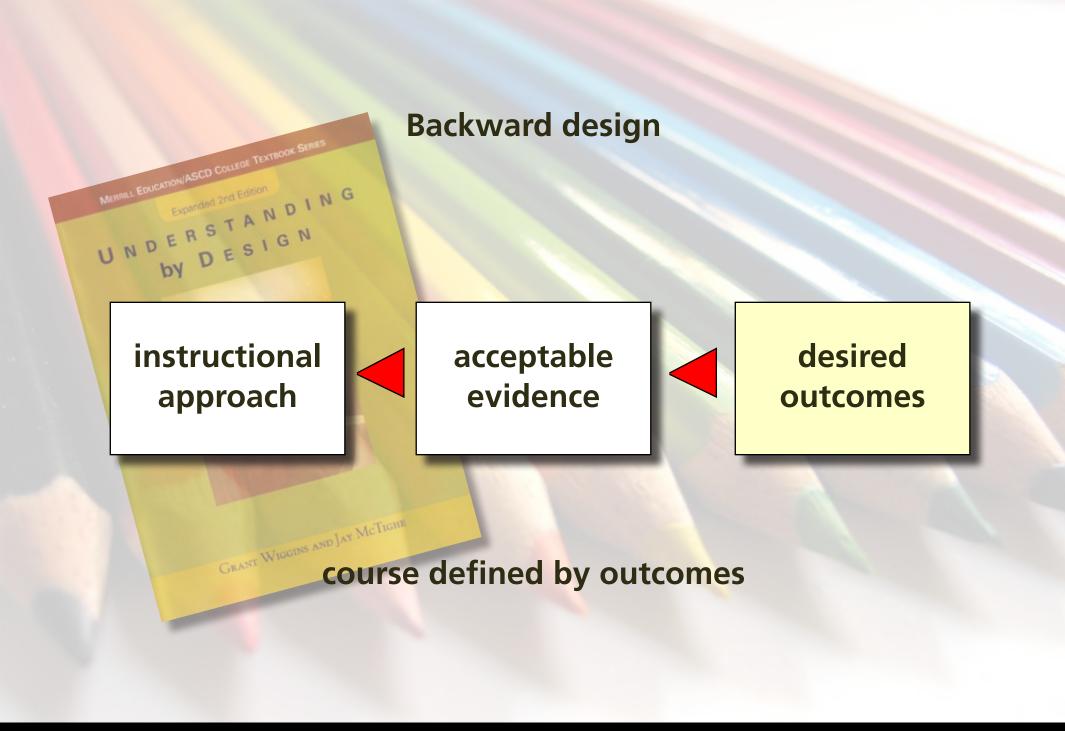






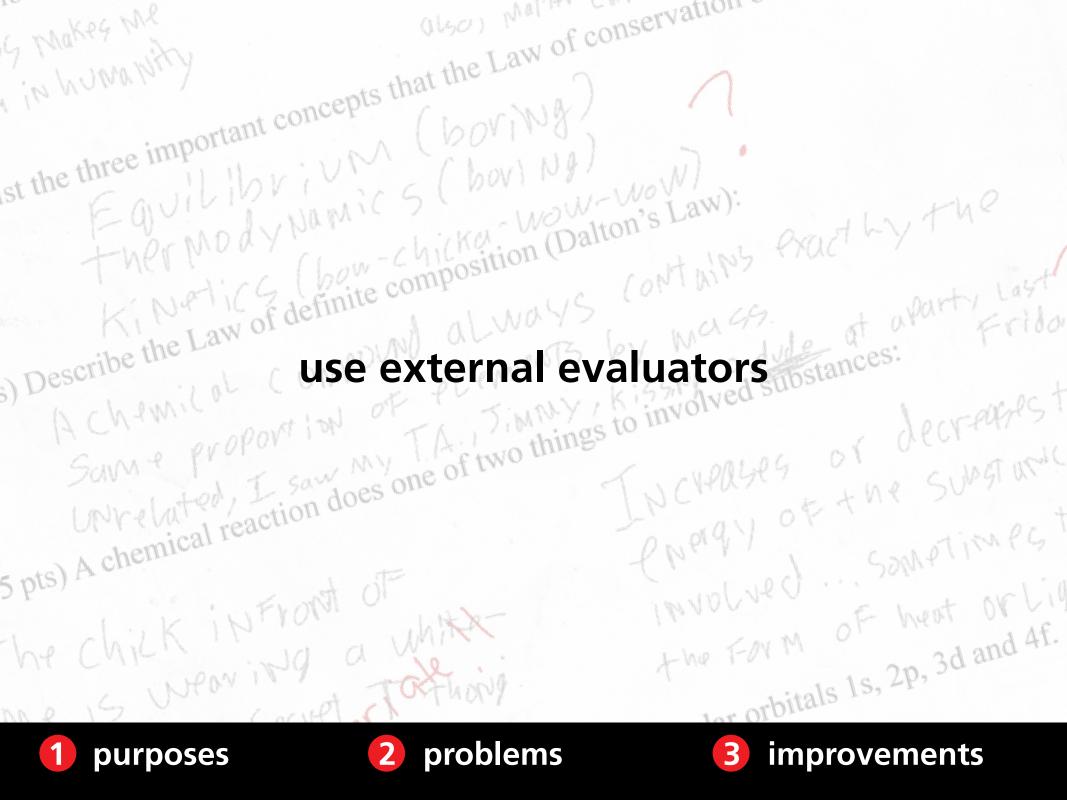








resolve coach/judge conflict



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Source proportion of The Things to involved stances:

Universal reaction does one of two things to involved aparty Last

Only Proportion of two things to involved stances: involved ... Sometimes t he chick in Front of the FORM OF heat OF Lig no e 15 whar into a whitefor orbitals 1s, 2p, 3d and 4f. cust Tothory problems improvements purposes

5 Makes MR Calibrated Peer Review in humanity st the three important concepts that Equilibrium (boring: Equilibring (bown Chicker Wowlings Law): Ther Mody Namic S (bown Chicker Wowlings Law): Ther Mody Namic S (bown Chicker Wowlings Law): (bown Chicker Wowlings Law): (contains the Law Step 1: assignment & rubric at a party Last (composition (Dalton's Law): (contains the Law Step 1: assignment & rubric at a party Last (contains the Law Ste FUER MOdy Namics (boving) UNITED TO A Chemical reaction does one of two things to involved substances: INCHPASES or decreasest ENPRY OF the SUNSTANCE involved ... Sometimes t cpr.molsci.ucla.edu the FORM OF heat Or Lig for orbitals 1s, 2p, 3d and 4f. problems improvements purposes

Calibrated Peer Review 3 = admirable

S LYDRA ME st the three important concepts exceeds expectations Catchy title drawing audience into article (rarely selected) WRITING RUBRIC 2 = satisfactoryCompelling audience appropriate hook or meets expectations (what you should aim for) lead present AND first few paragraphs orient 1 = needs improvementdoes not meet expectations entirely All paragraphs are short (1-5 sentences) Basic title lay reader to subject Hook or lead present OR first few paragraphs orient reader to subject Wordy, long, unimaginative, or Rubric for Calibrated Peer Review Headings structure paper in organized, Missing a "hook" or a lead in the first inappropriate title logical way AND paragraphs linked by Some paragraphs are long (6 or more sentences), most are short (1-5 sentences) paragraphs AND does not orient reader Ends compellingly with an important idea or A few headings OR most paragraphs though provoking question AND ties back to Title Many paragraphs are long (6 or more to subject Structure linked by transitions Lacks organization, no logical headings, Opening title and opening hook Summary-like closing, but does not tie sentences) no transitions between paragraphs important idea AND does not tie back to back to title or opening hook Paragraph length Does not end compellingly or with an Includes fact-checked expert and/or lay Contains incorrect, misstated, irrelevant, All facts are 100% correct, relevant, and must, our not an, racis vacacu up with testimony (newspaper article only)

proper, convincing, or interesting sources

proper, convincing, or interesting sources Organization Original presentation of material; uses the opening Closing Material appropriate and aimed at target audience AND relates to practical/everyday or unnecessary facts Does not back up facts with proper, or evidence concerns AND uses analogies or other convincing, or interesting sources or Some originality apparent techniques to relate unfamiliar content to Material appropriate and aimed at target familiar concepts; no jargon, colloquialisms, Scientific facts Mostly predictable based on available audience AND mostly avoids scientific Content/Ideas evidence jargon, contains no colloquialisms or Sources/evidence Material inappropriate OR not aimed at acronyms, and mostly uses clearly or acronyms target audience; Contains unexplained material defined scientific terms scientific jargon, colloquialisms, or Creativity Audience awareness acronyms







5 Makes MR Calibrated Peer Review in homa with st the three important concepts that Equilibrium (boring. FUER Mody Namics (bovINA) Describe the Law of definite composition (Dalton's Law): Describe the Law or werm Step 2: Pupload a 49 , + wart 100 Step 2: Same proport ion of Step 2 Same proport in Step 3: review of two things to the substances: Only chated, I saw My The of two things to the substances: 5 pts) A chemical reaction does one of two things involved ... Sometimes t cpr.molsci.ucla.edu the FORM OF heat Or Lig for orbitals 1s, 2p, 3d and 4f. problems improvements purposes

Calibrated Peer Review decreases the **UPLOAD** w a representation ore not based on cpr.molsci.ucla.edu



Calibrated Peer Review **UPLOAD CALIBRATION** w a representation ore not based on







Calibrated Peer Review decreases the chemical reaction **UPLOAD** CALIBRATI MEDIUM

nt new addition to night sky ires fear and awe - Mona Lisa

By now everyone has noticed the mistakable new addition to our sky, which utshines the brightest star at night and continues to shine alongside the sun during the day. None of us have seen such a sight in the course of our lives and for many it has served as a jarring reminder of the violent and powerful cosmic events that occur in what often appears to be a calm and constan

This new and glaring addition that hich scients The New York Times

January 20, 2009

Spectacular Supernova Obse

By John Glenn

New York, N.Y. – People around the world witnessed the in recorded history this morning. The supernova, name Eastern Time, appearing as bright as the full moon. A continued to shine for several hours.

Traffic was interrupted in New York City, as early-ri at to look up at the amazing sight. As of press ti

Galileo

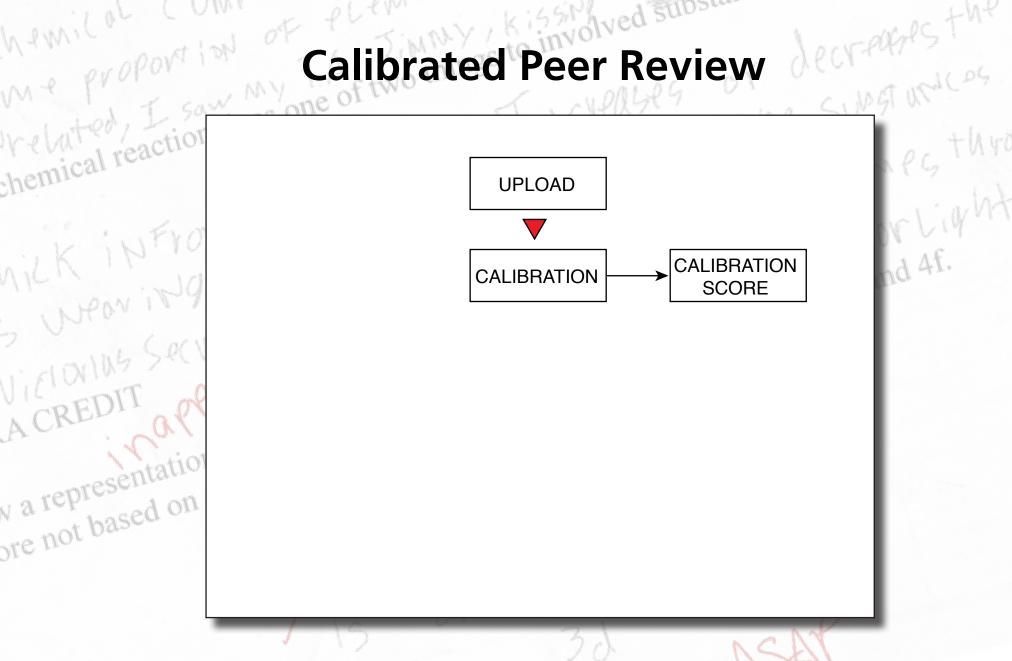
20 January 2008

Yesterday at about 4 p.m., I observed a pec appeared in the sky. A glowing flash emitted seconds, accompanied its appearance. The o it even in broad daylight. How did this unprece its consequences for Earth? In order to unders on Earth will most likely ever see again, we have galaxie. To fully appreciate it and not be alarme understand the life cycle of stars and how they classified as consisting of eight plan

purposes

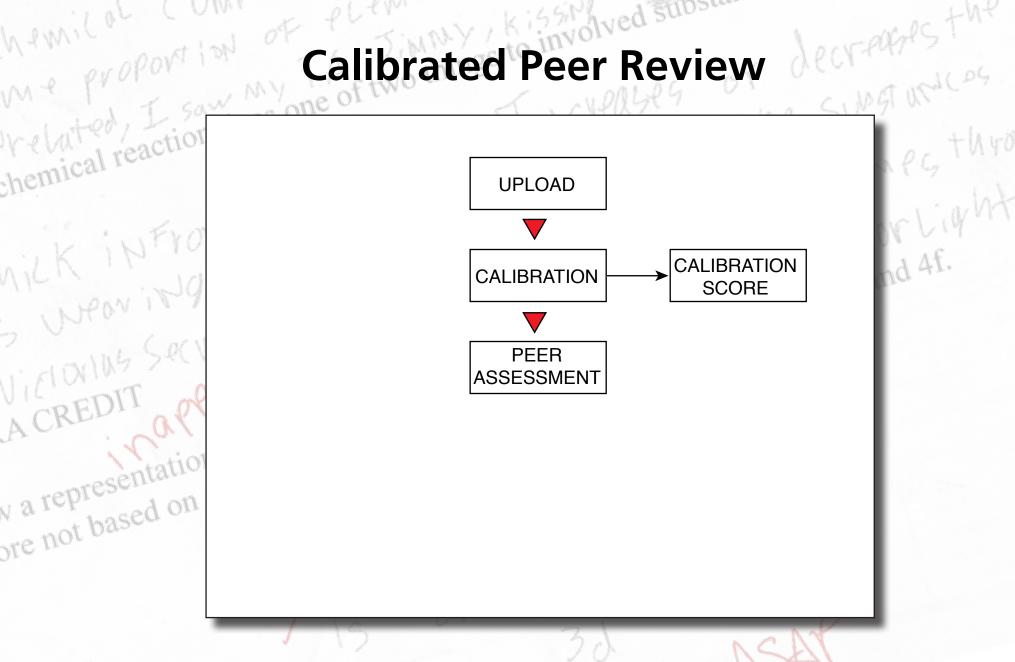
problems

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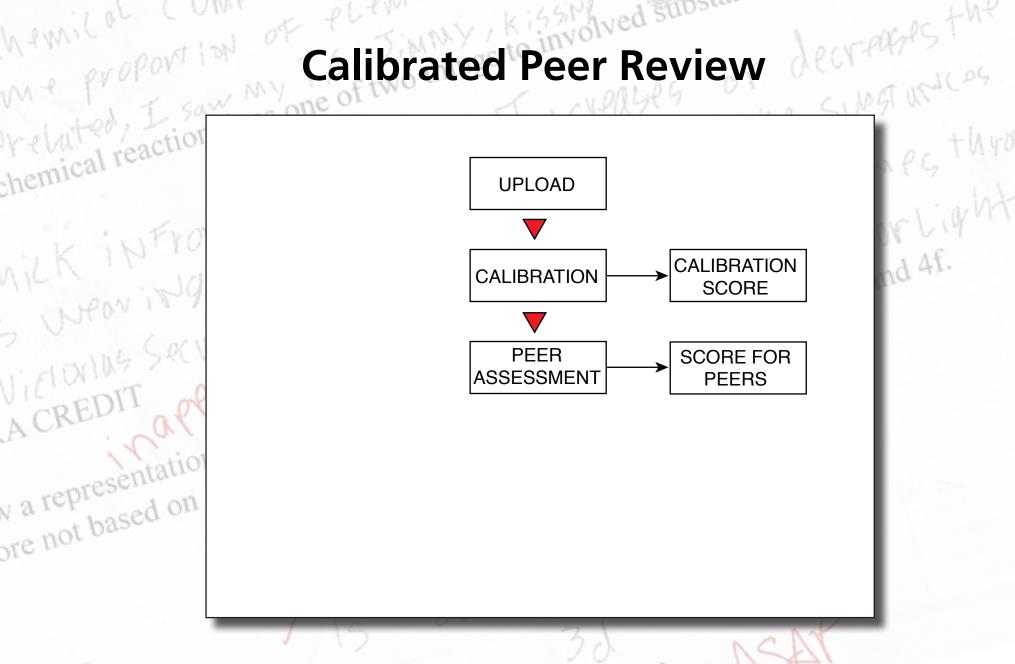






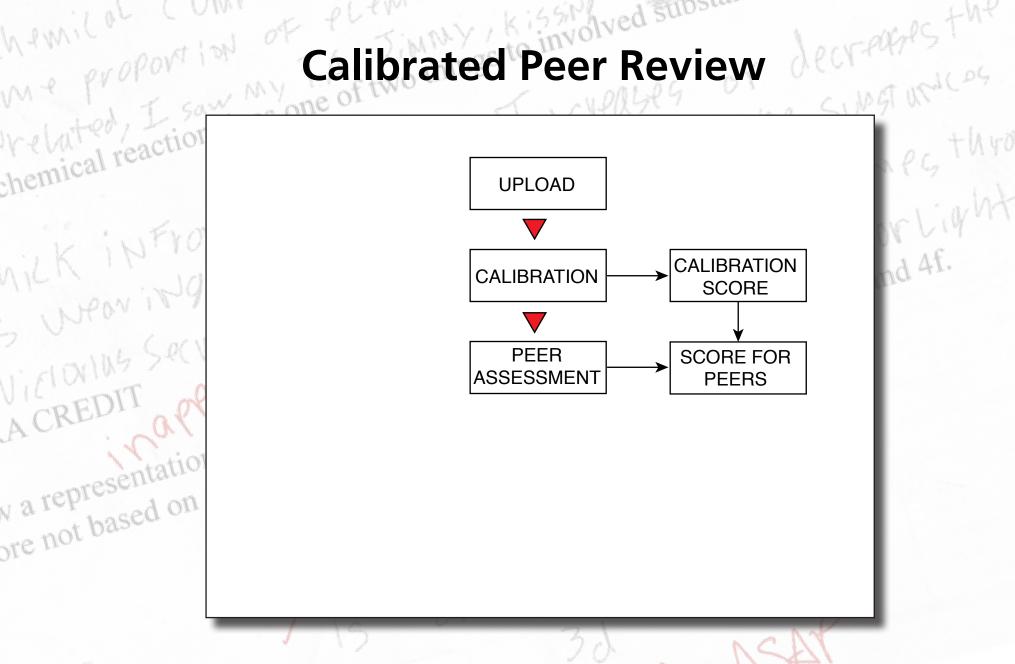






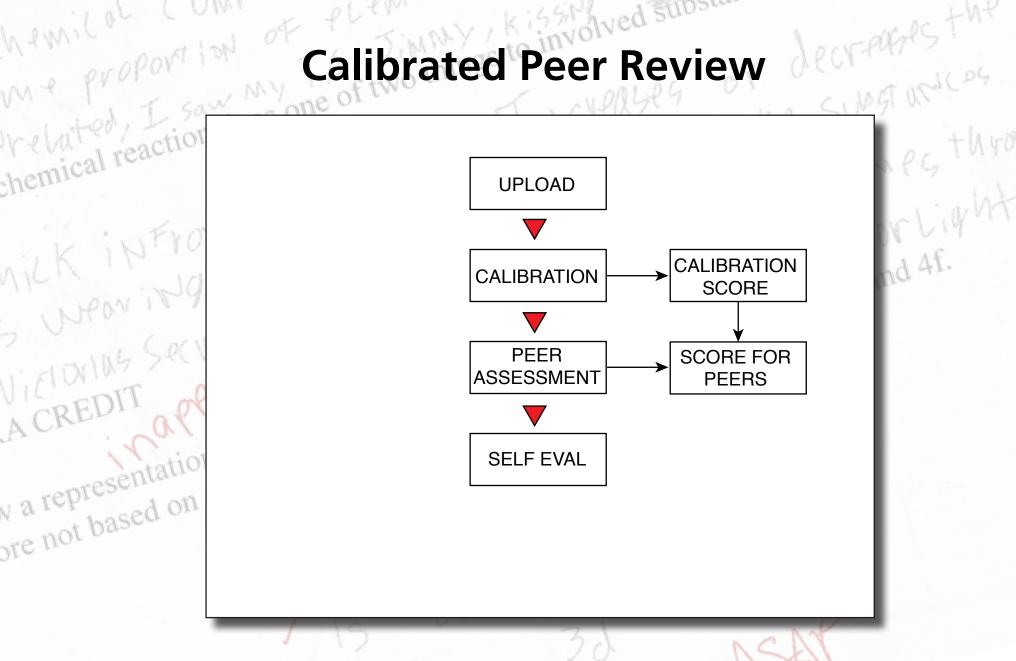






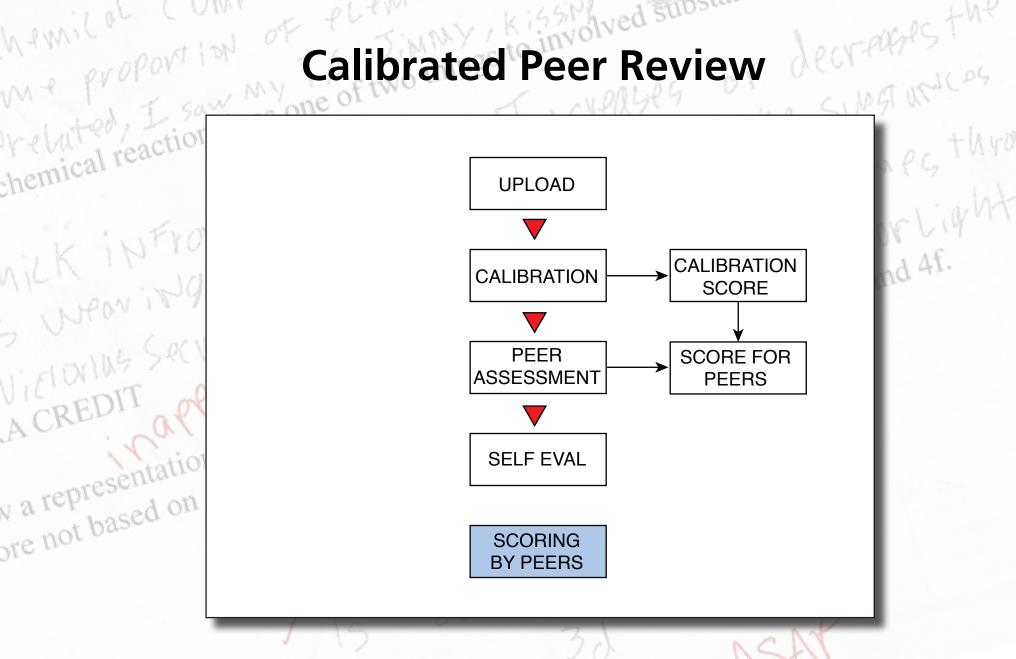






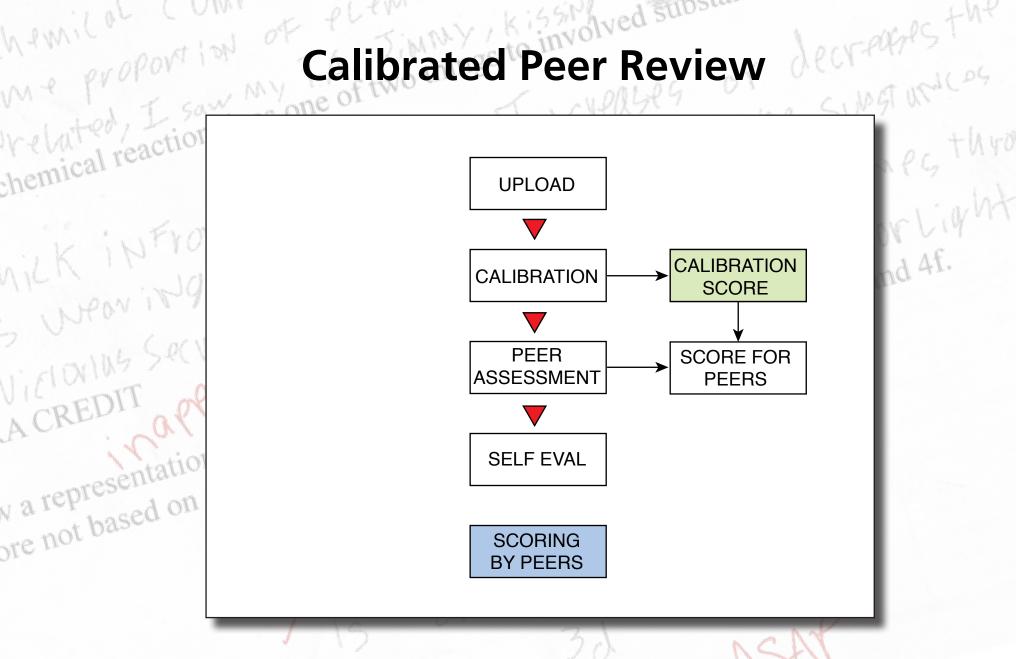






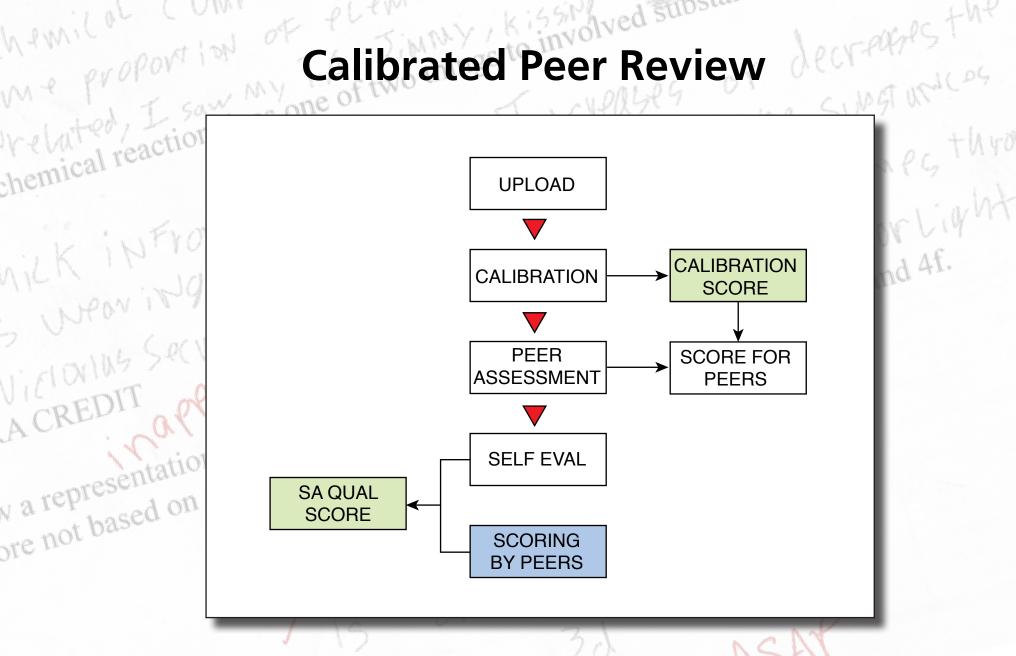






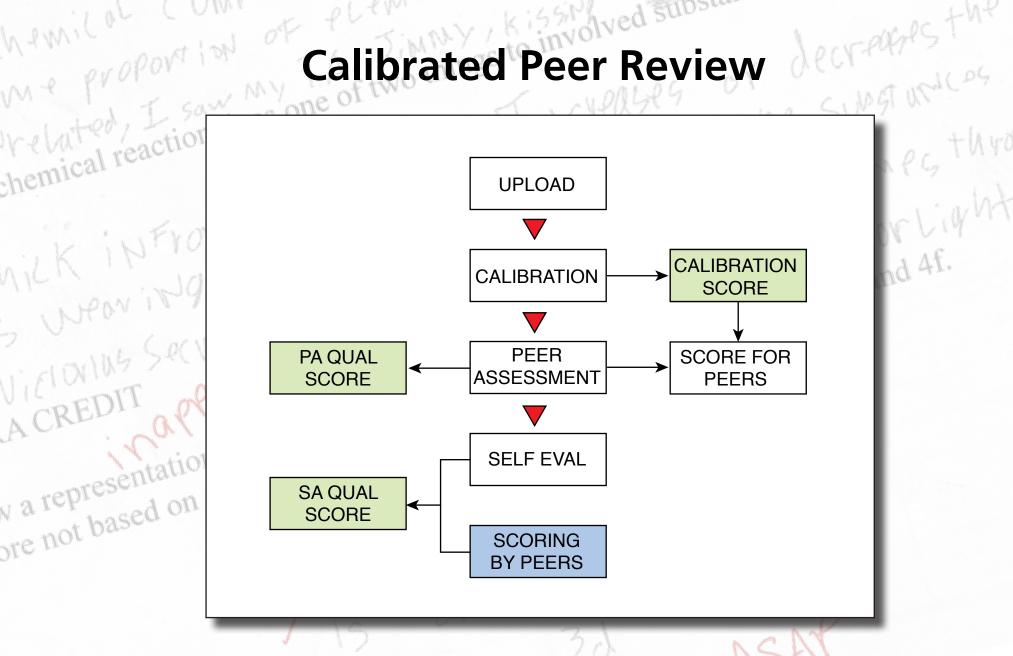






















mazur.harvard.edu

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