Peer Instruction — in person or online





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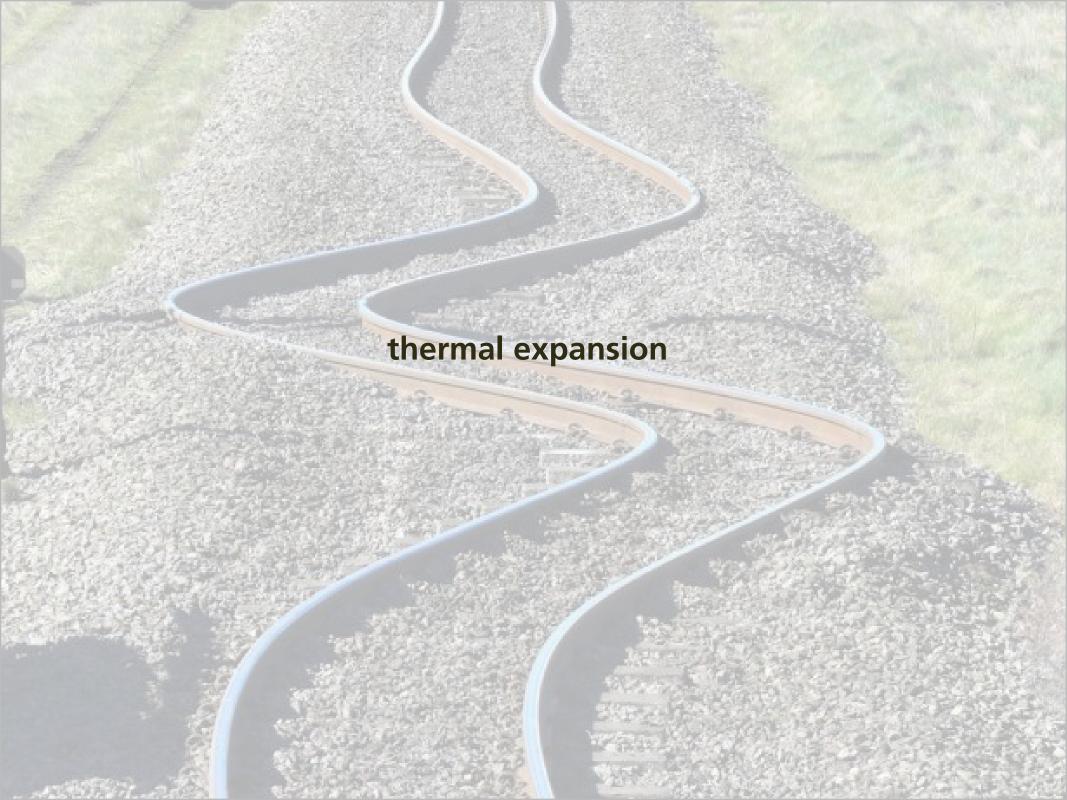


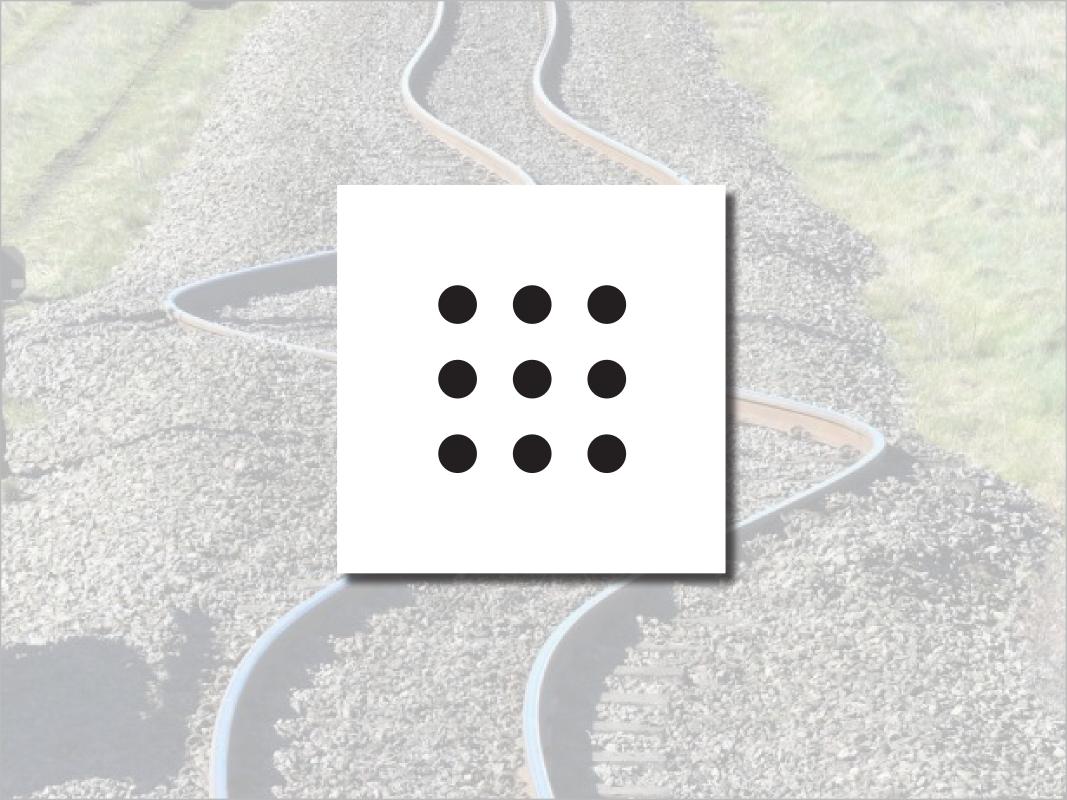


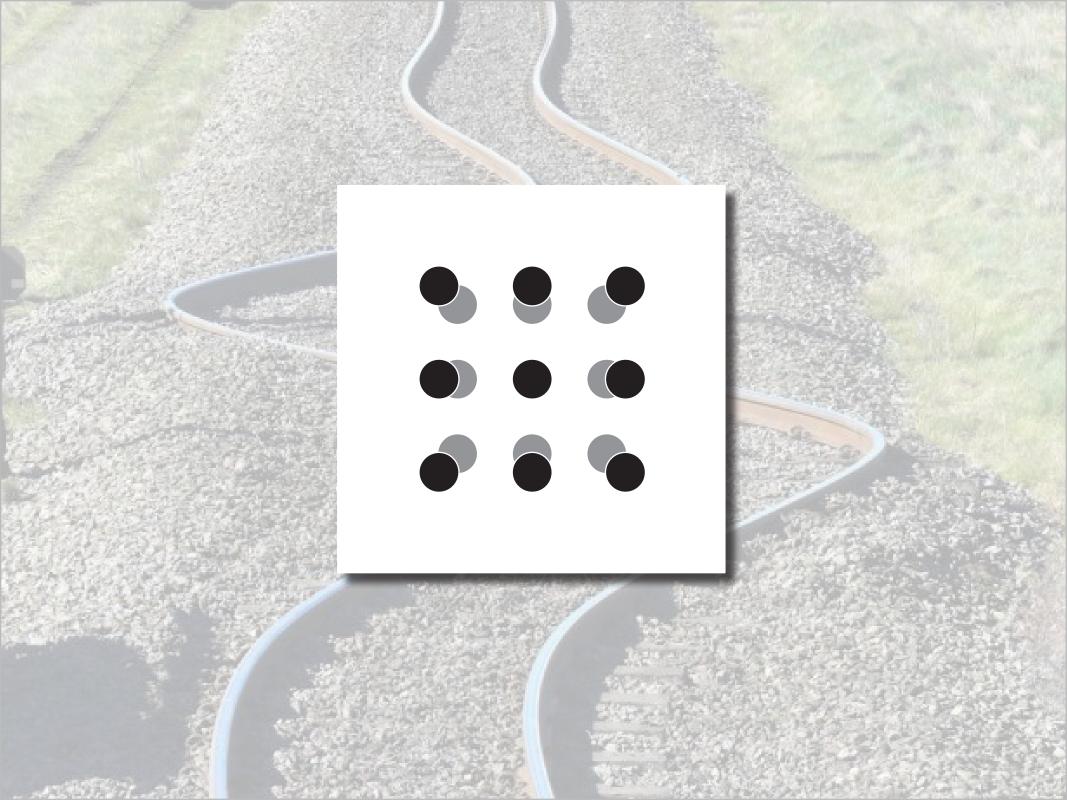




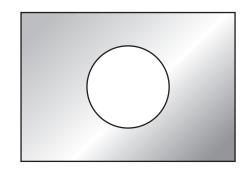




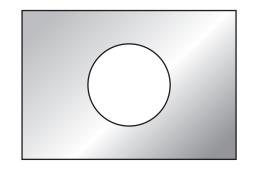


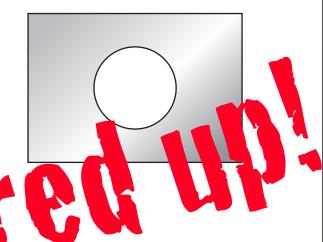






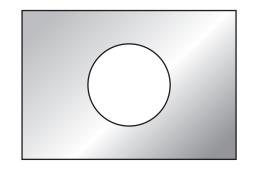
- 1. increases.
- 2. stays the same.
- 3. decreases.





- 1. increases
- 2 eta / the same.
- B. a. de ses

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



You...

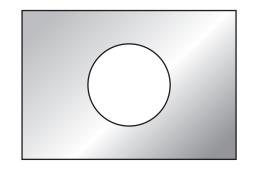
1. made a commitment

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

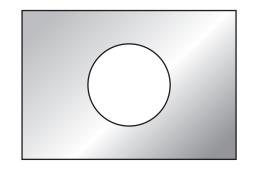
- 1. made a commitment
- 2. externalized your answer
- 3. moved from the answer/fact to reasoning

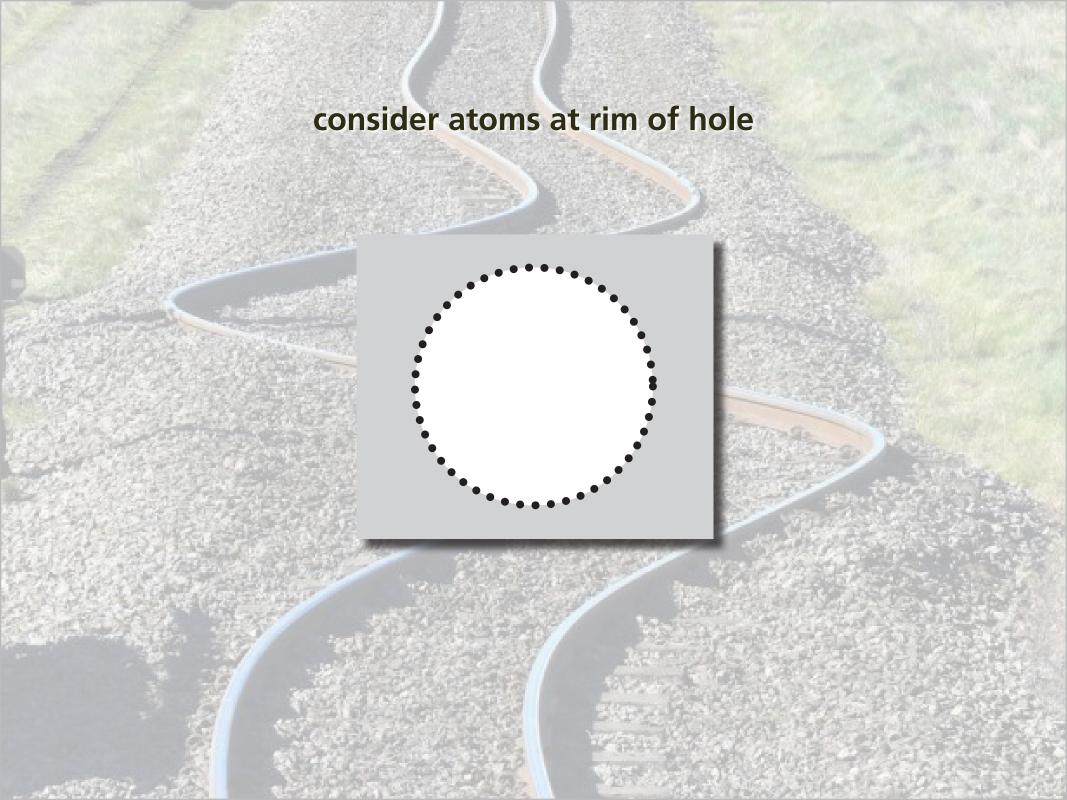
- 1. made a commitment
- 2. externalized your answer
- 3. moved from the answer/fact to reasoning
- 4. became emotionally invested in the learning process

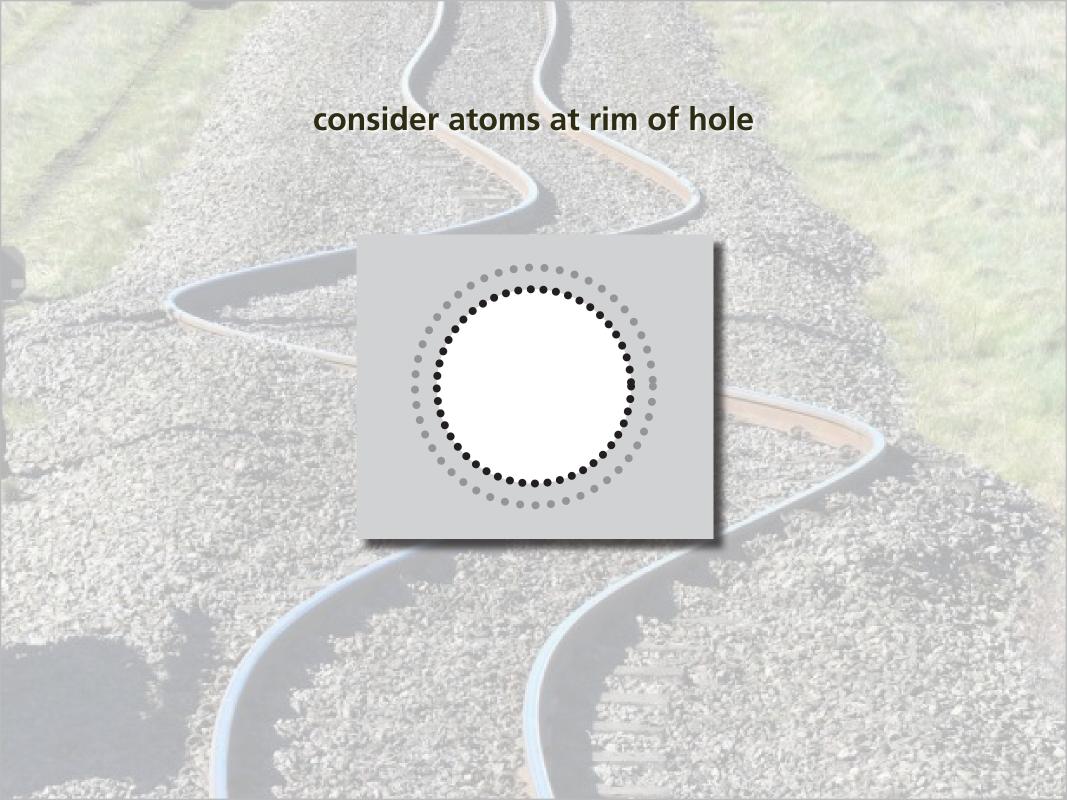
- 1. increases.
- 2. stays the same.
- 3. decreases.

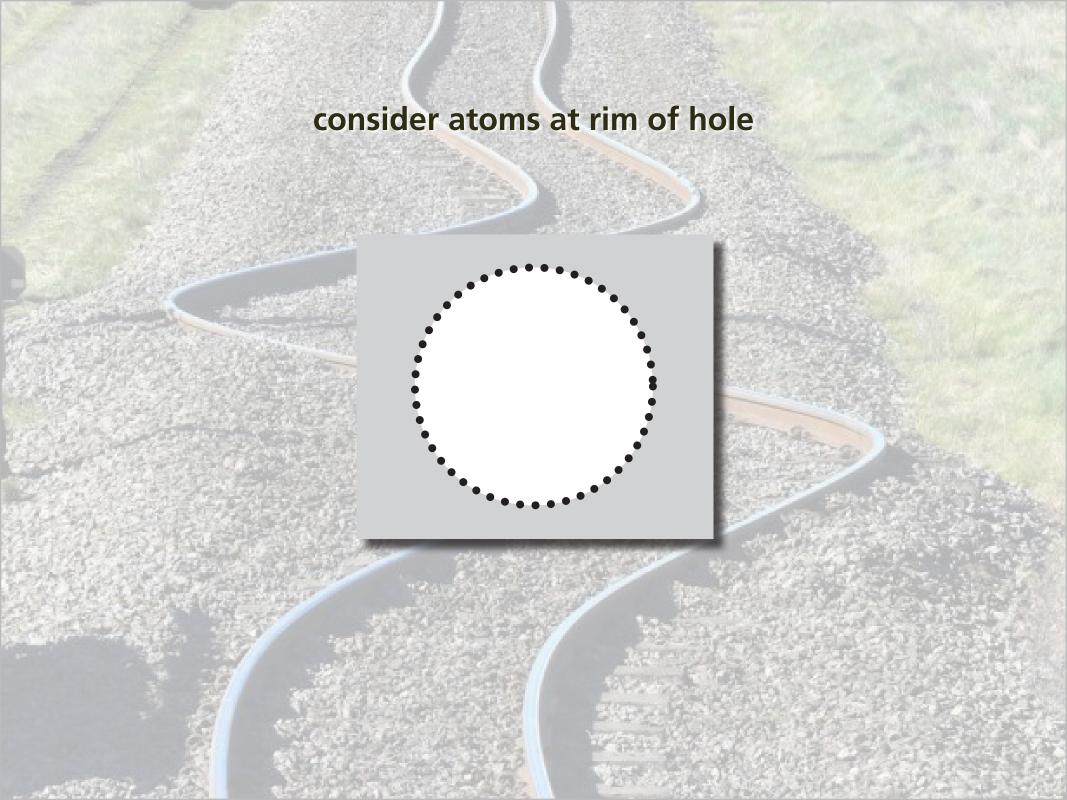


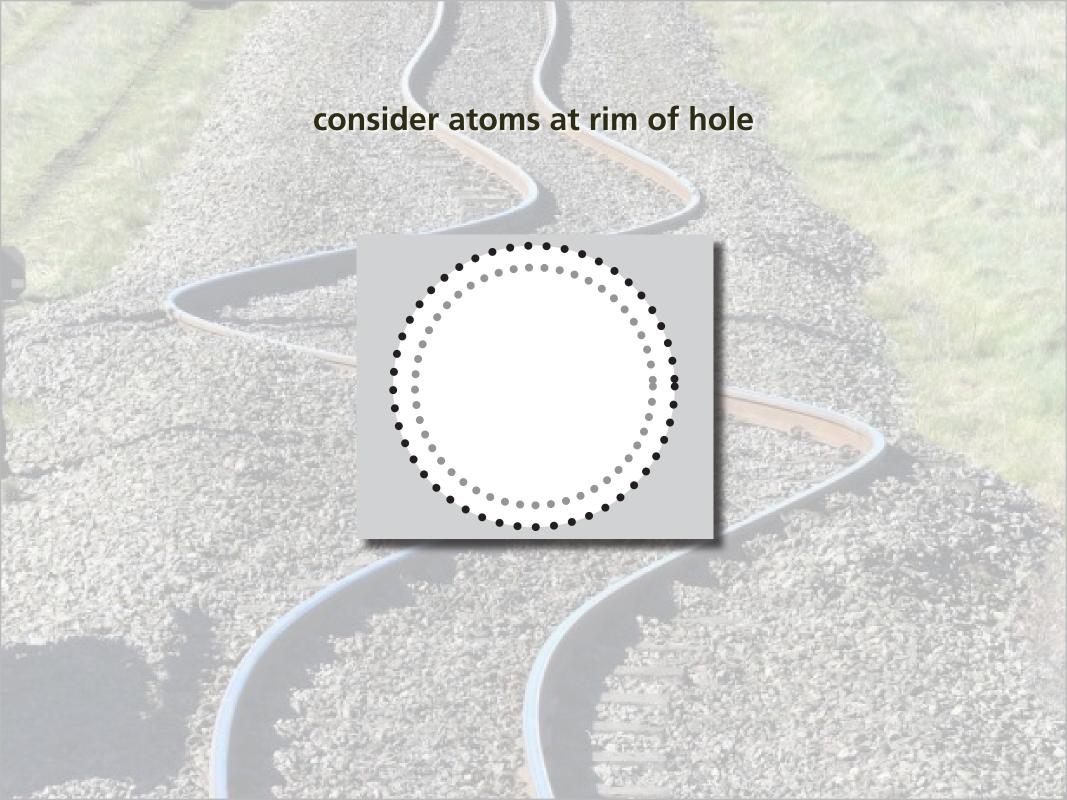
- 1. increases.
- 2. stays the same.
- 3. decreases.





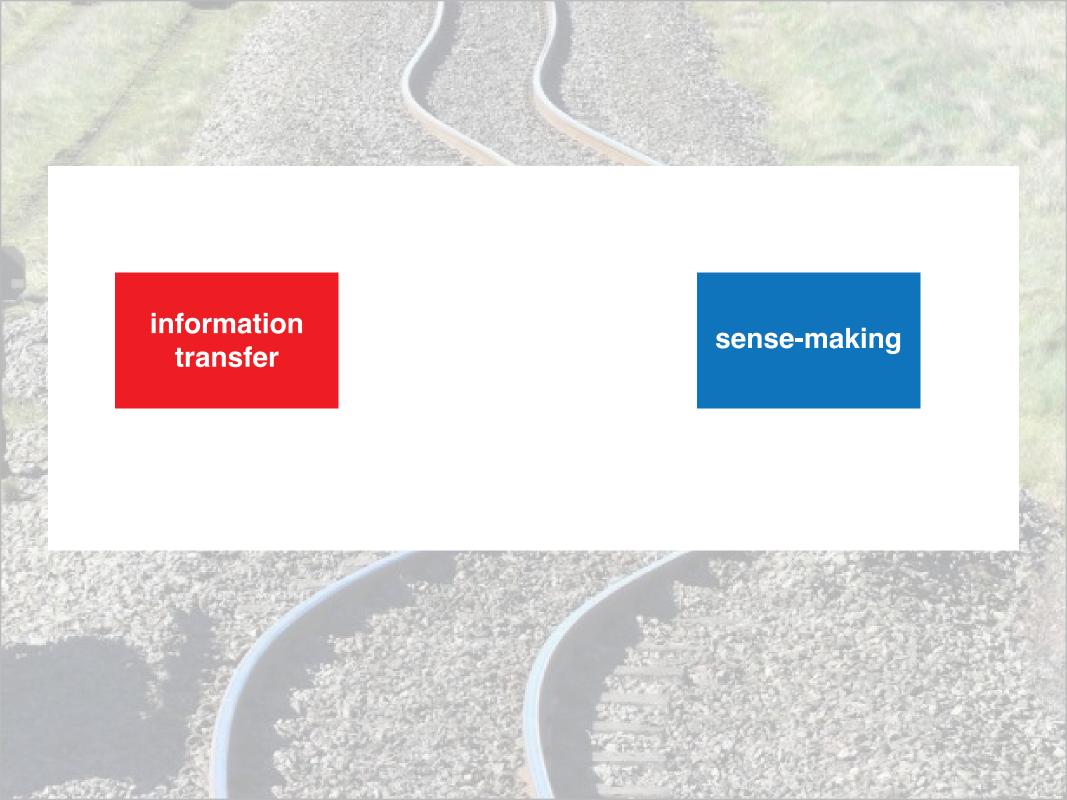


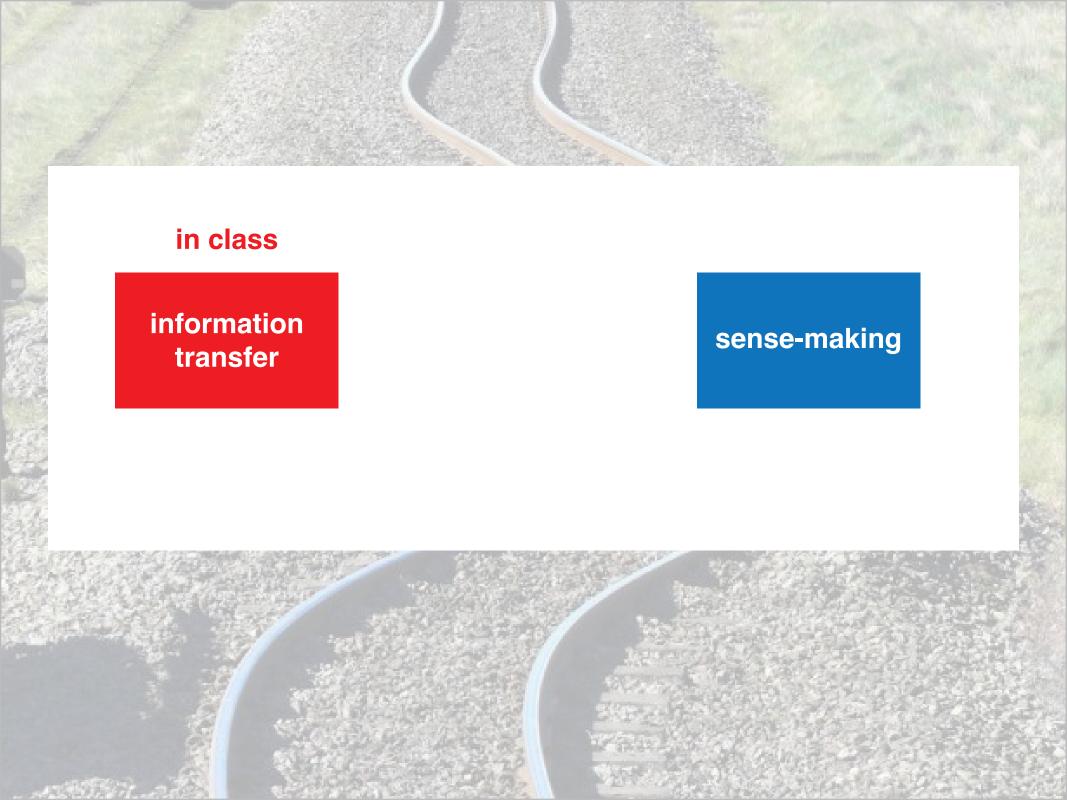


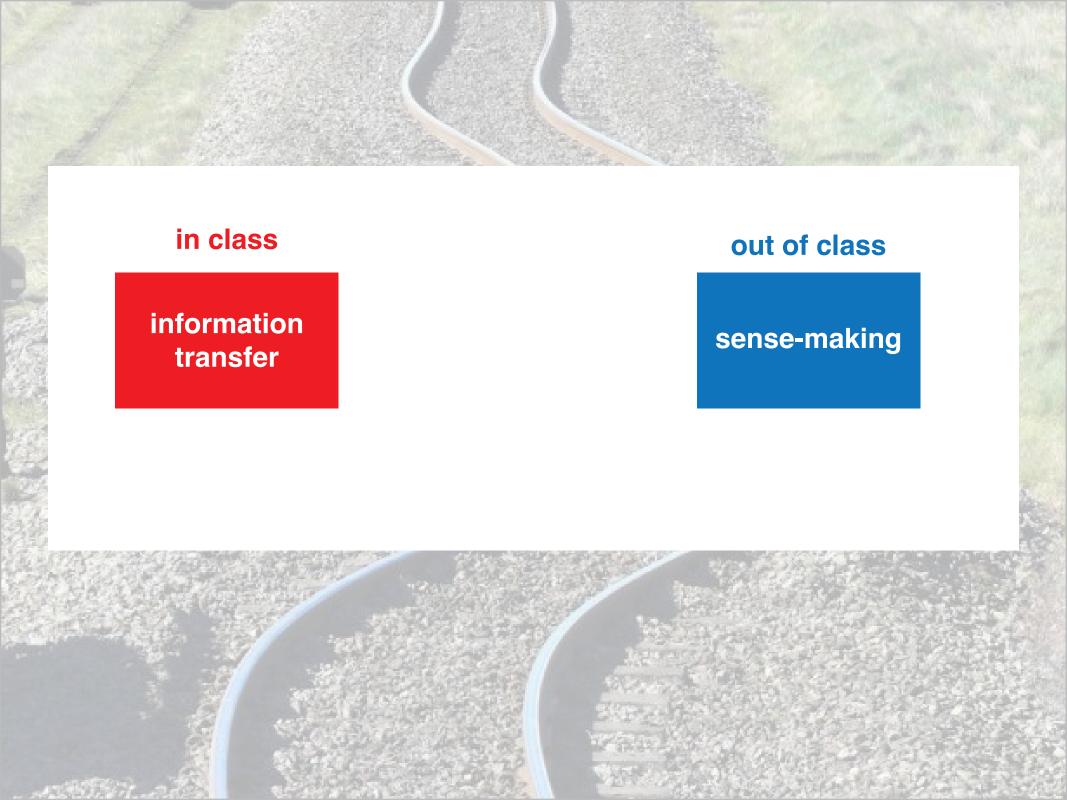


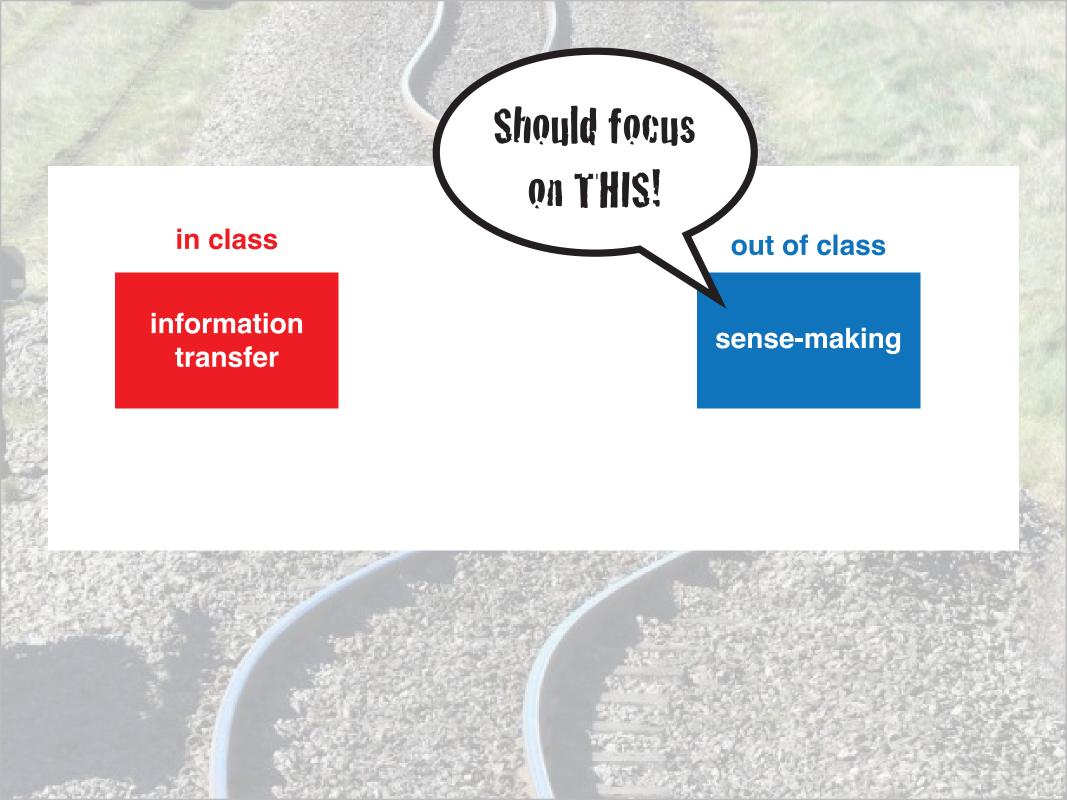


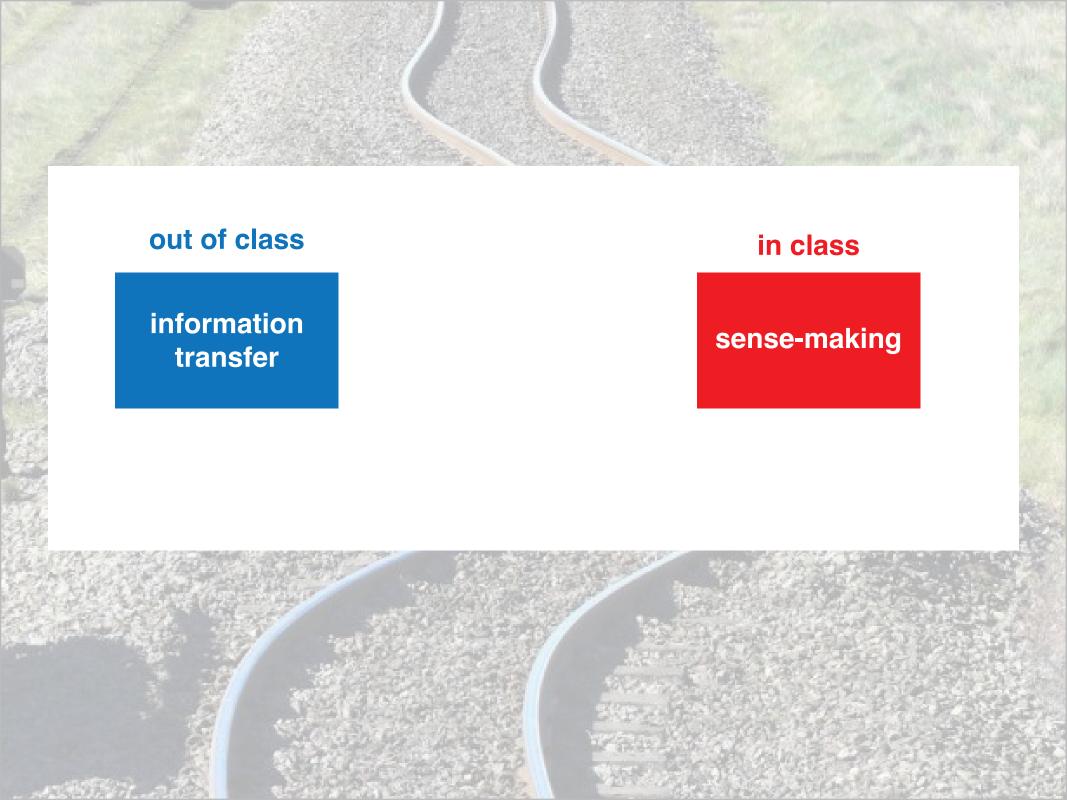


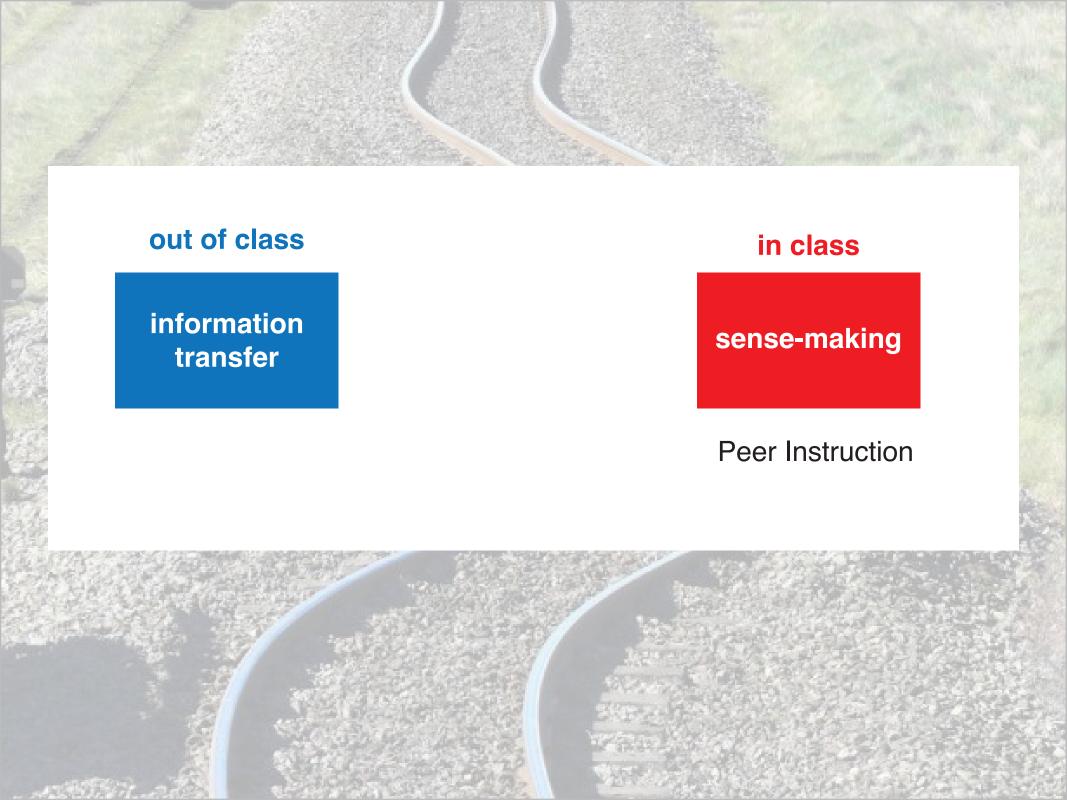




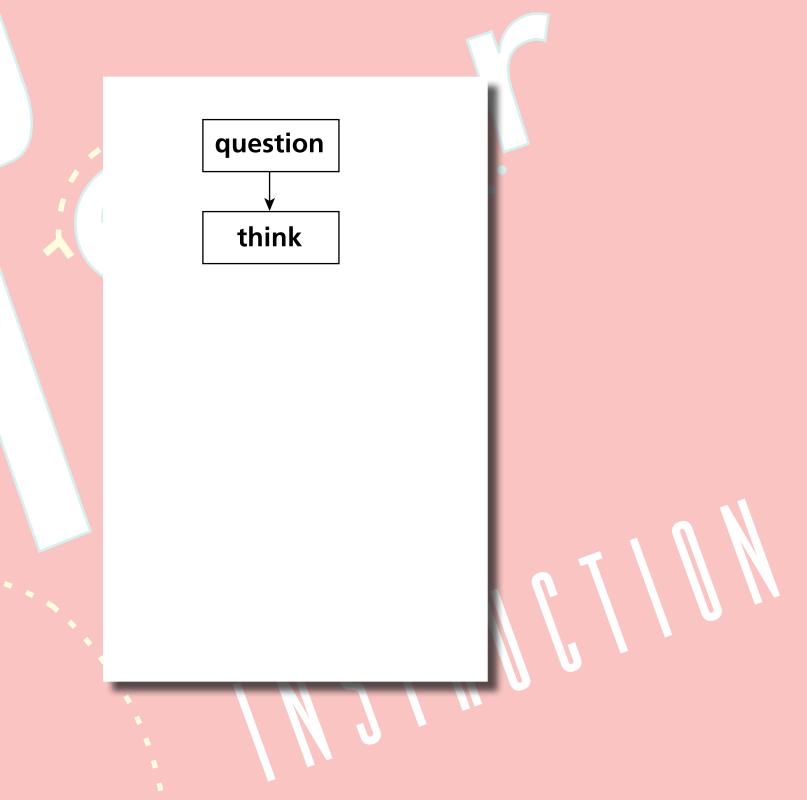


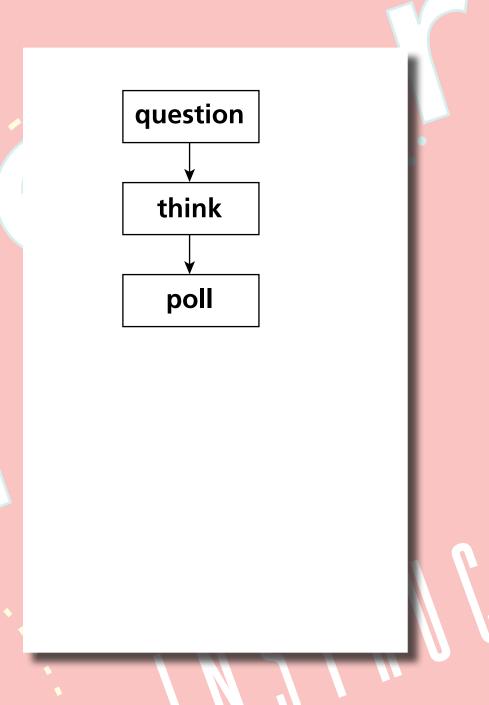


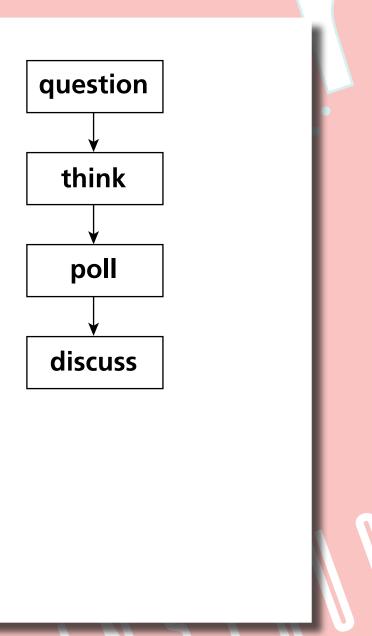


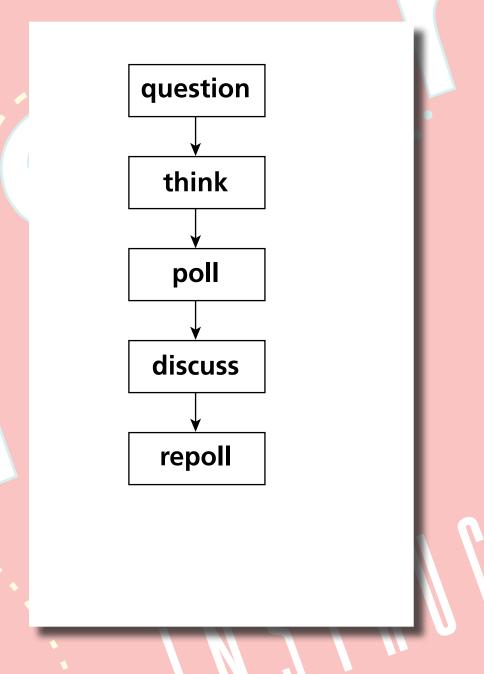


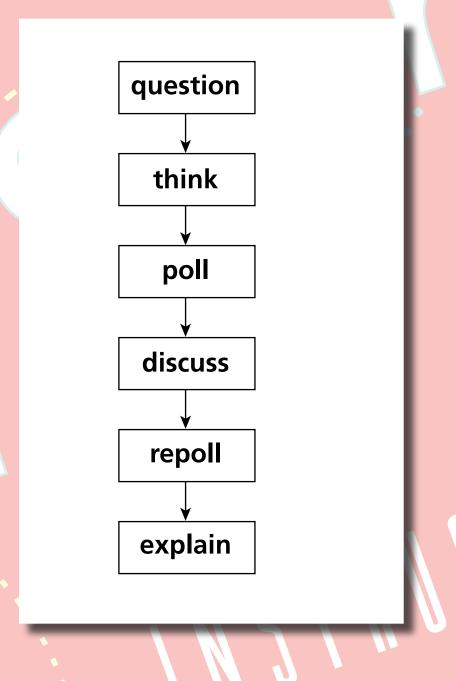
question

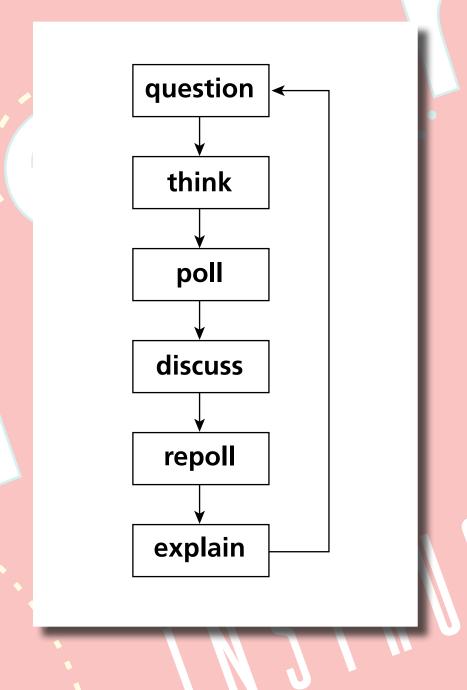


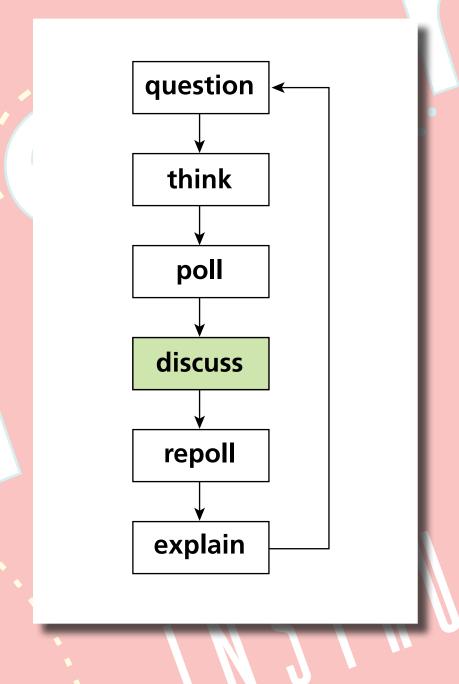




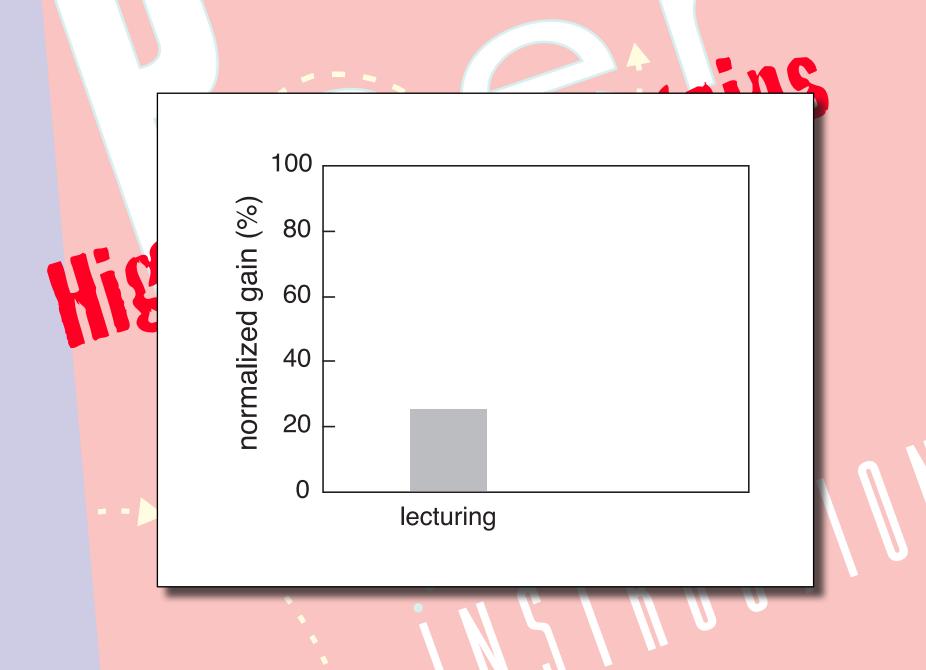


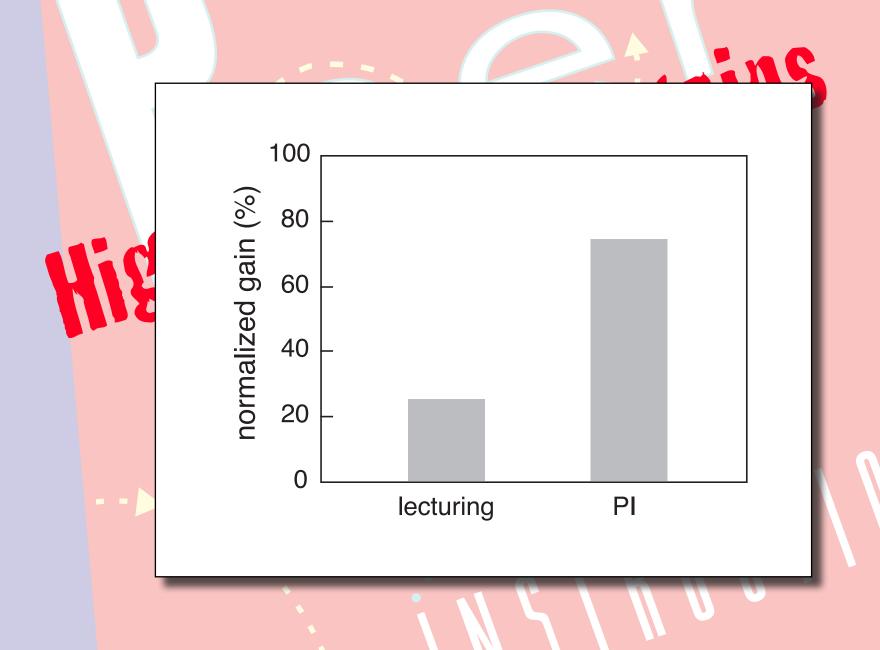




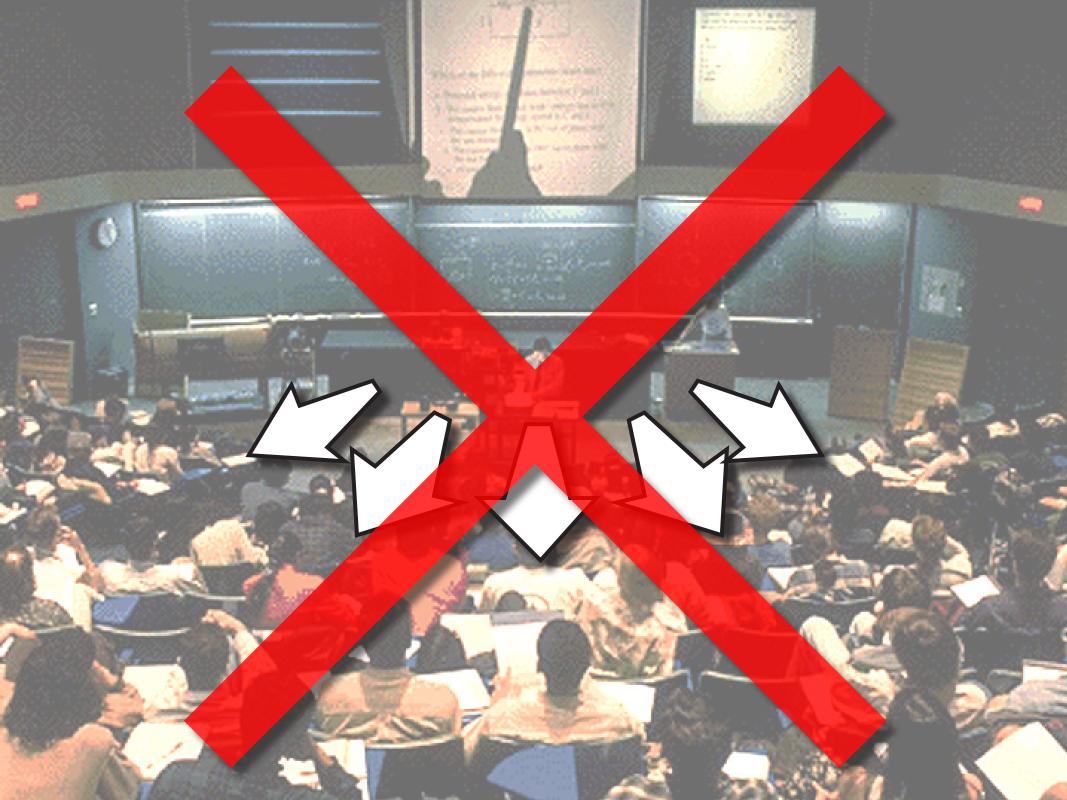


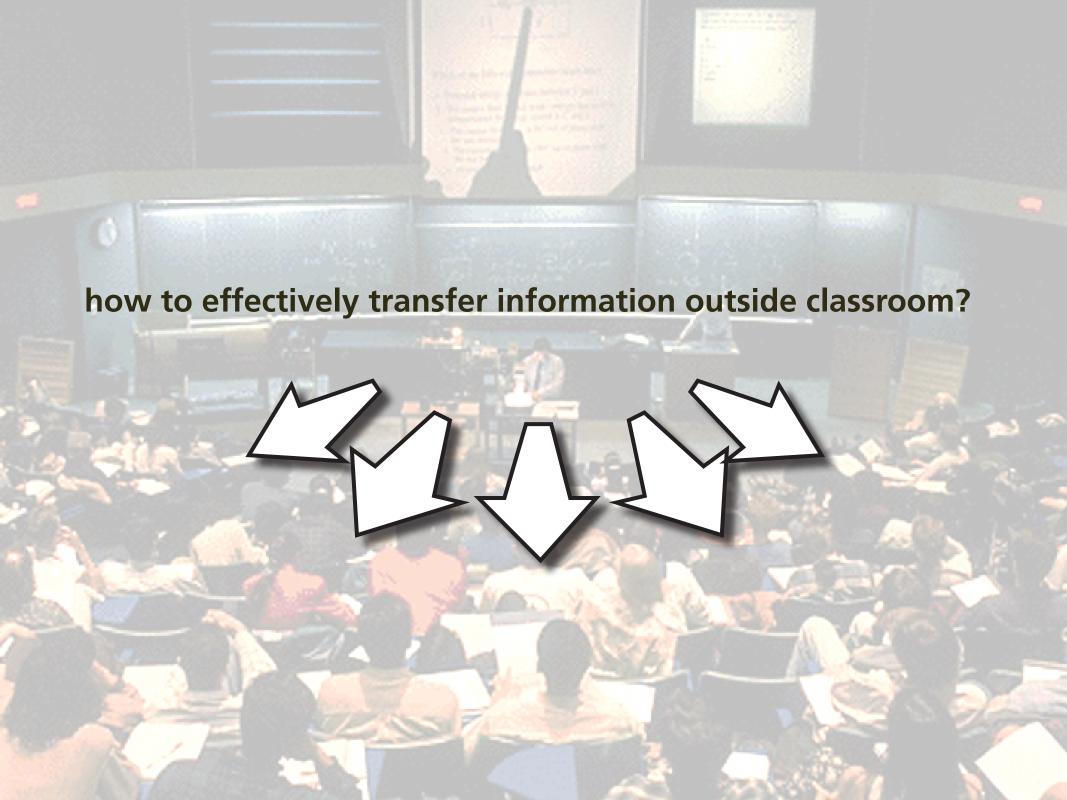
Higher learning gains





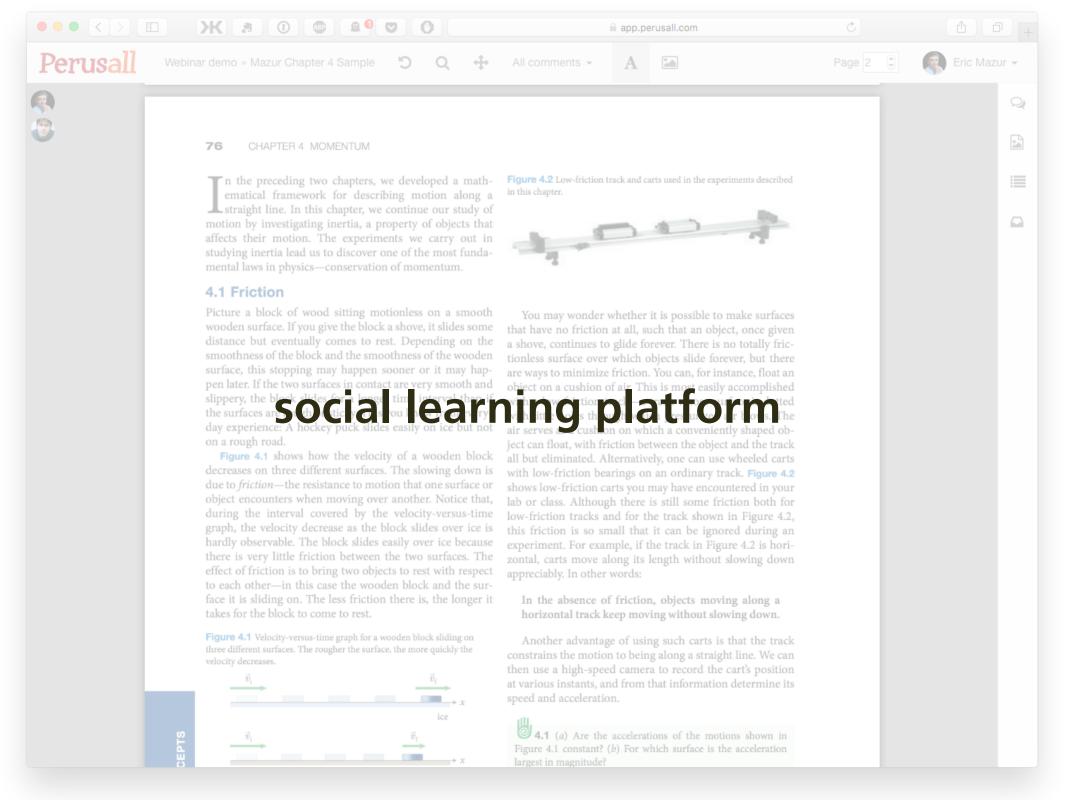
Higher learning gains Better retention

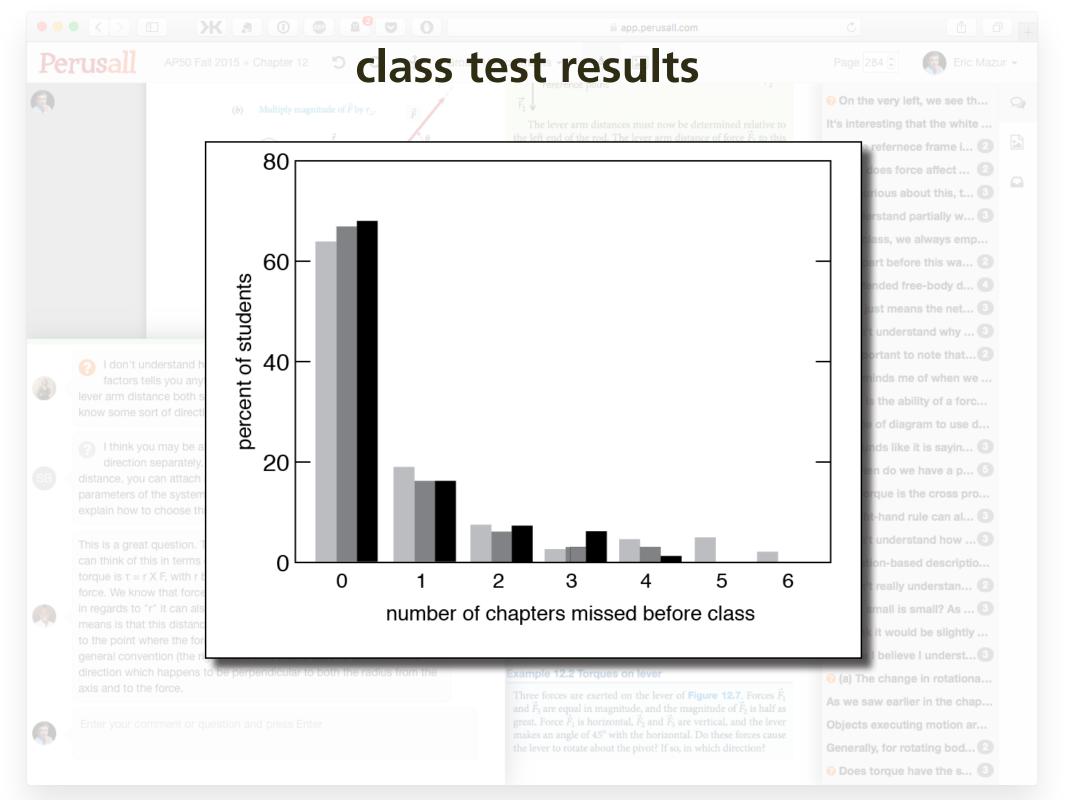


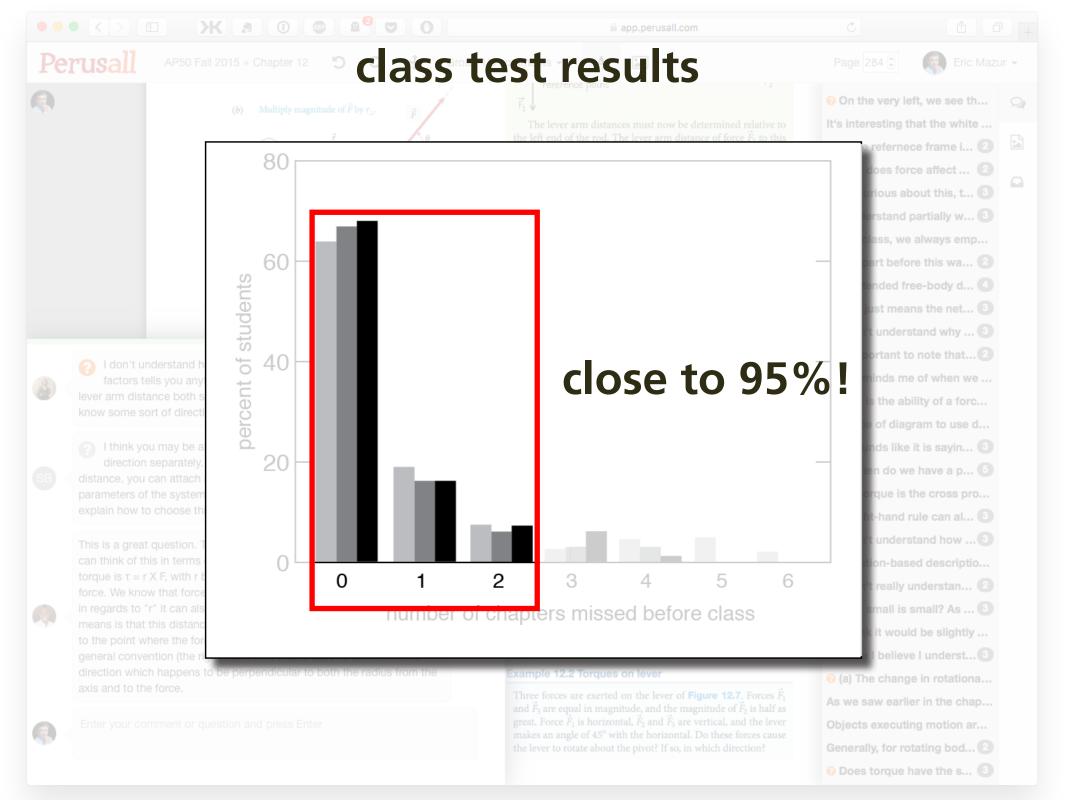


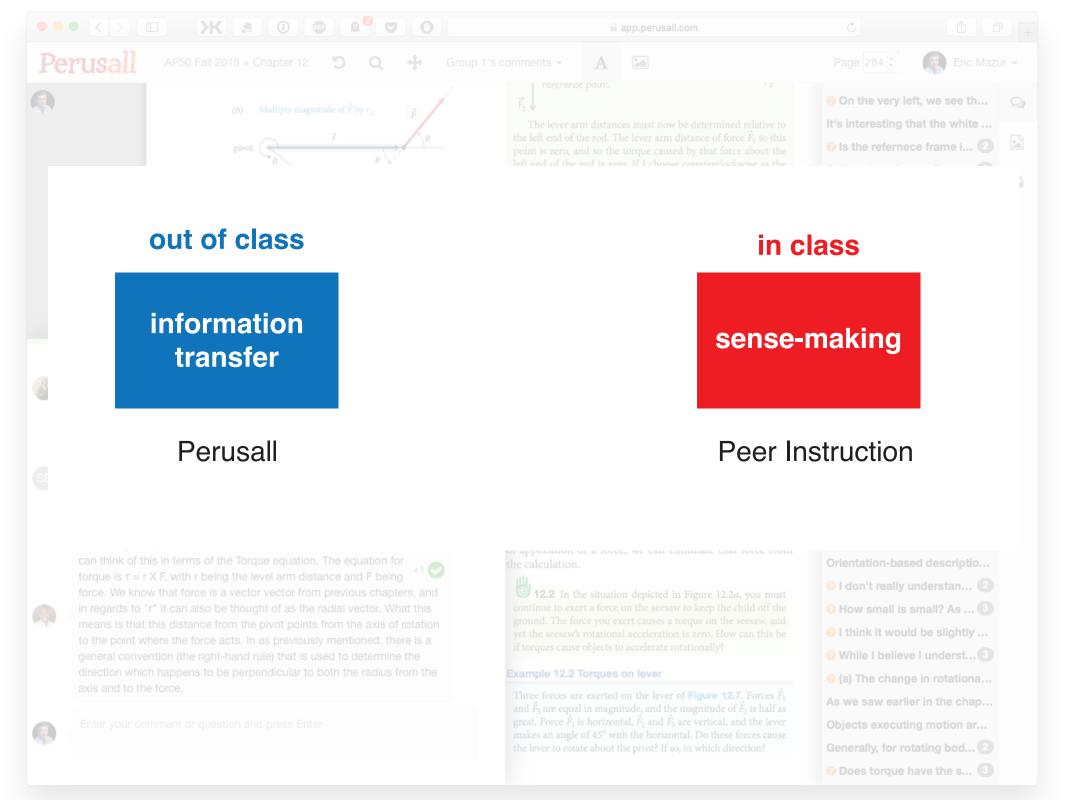
Solution

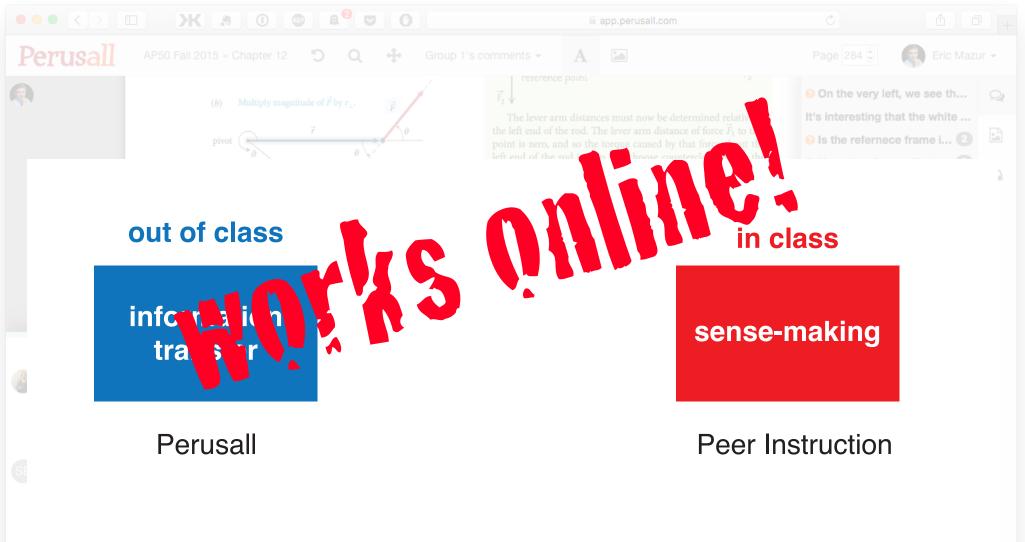
turn out-of-class component also into a social interaction!











can think of this in terms of the Torque equation. The equation for torque is $\tau = r \times F$, with r being the level arm distance and F being force. We know that force is a vector vector from previous chapters, and in regards to "r" it can also be thought of as the radial vector. What this means is that this distance from the pivot points from the axis of rotation to the point where the force acts. In as previously mentioned, there is a general convention (the right-hand rule) that is used to determine the direction which happens to be perpendicular to both the radius from the axis and to the force.

Enter your comment or question and press Enter

the calculation.

12.2 In the situation depicted in Figure 12.2a, you must continue to exert a force on the seesaw to keep the child off the ground. The force you exert causes a torque on the seesaw, and yet the seesaw's rotational acceleration is zero. How can this be if torques cause objects to accelerate rotationally?

Example 12.2 Torques on lever

Three forces are exerted on the lever of **Figure 12.7.** Forces I and \vec{F}_3 are equal in magnitude, and the magnitude of \vec{F}_2 is half a great. Force \vec{F}_1 is horizontal, \vec{F}_2 and \vec{F}_3 are vertical, and the leve makes an angle of 45° with the horizontal. Do these forces caus the lever to rotate about the pivot? If so, in which direction?

Orientation-based descriptio...

I don't really understan... 2

Now emall is emall? Δε

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o while i believe i underst...

😈 (a) The change in rotationa...

As we saw earlier in the chap...

Objects executing motion ar...

Generally, for rotating bod...

Does torque have the s...



Education is not just about:

- transferring information
- getting students to do what we do

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active engagement/social interaction a must!

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