How did Ferris learn?
How would you make this better…
Quiz

What will happen to Germany's economy if BREXIT actually happens?

A. It will improve since it will take over many of Britain’s former duties, such as financial clearing

B. It will get worse because of the impact on German trade.

C. It will stay the same.

D. It will get worse because of lower financial transfers to the EU.

E. None of the above
How Did That Go?

• What did you notice?

• What worked?

• Did the answer matter?
Why debrief?

• Clarity
• Engagement with classmates
• Create environment to disagree
• Opinions matter
• Drives home point through exploration
Designing EL from your notes

- What is the intent or main outcome to take away?
- What are common misconceptions people have?
- What is the question you want students to answer?
- Turn question into EL:
  - Debate-split class-pair/share-groups of 4
Let’s try one on….volunteers?
Defining EL’s and why they matter...
For the things we have to learn before we can do them, we learn by doing them.

- Aristotle, long time ago

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The only source of knowledge is experience.

- Albert Einstein
• Experiential learning is the process of learning through experience, and is more specifically defined as "learning through reflection on doing".
• 1) A "concrete experience" (Enfield, 2001, Kolb, 1984), where the learner is involved in an exploration, actually doing or performing an activity of some kind;

• 2) a “contemplation phase”, which is usually referred to in the literature as a reflection stage (Enfield, 2001; Kolb, 1984; Pfeiffer & Jones, 1981), whereby the learner shares reactions and observations publicly and processes the experience by discussing and analyzing; and

• 3) the "application" or "conceptualization" phase that helps the learner deepen and broaden their understanding of the concept or situation by cementing their experience through generalizations and applications (Carlson & Maxa, 1998).
Another view....

• 1) A "concrete experience"

• 2) a “contemplation phase”

• 3) the "application" or "conceptualization" phase
Why…?

• Solidifies the learning
• Builds on lessons
• Easy implementation
• Required for Millennial brain
• Provides practice for super skills
  – Communication
  – Collaboration
  – Critical Thinking
  – Creativity=innovation and invention
Prototyping
Flipping the Class
Desirable Difficulty

Certain level of adversity to push the cognitive process....
We don’t need no stinkin’ rules….

- Curiosity comes 1\textsuperscript{st}
- Embrace the mess-trial and error is good
- Practice reflection/debrief
- Questions=seeds of learning

- Intention as important as attention!

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The art of ‘spontaneous’ EL

Be Spontaneous!
You go first.

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The Answer

• It’s not about right answer, it’s about analytical process to get to AN answer.
• There isn’t always a right answer – especially in qualitative classes.
• Sometimes, there is a numerical answer.
• Take a position and defend it.
• It’s the time and process that counts!
Fun & Rigor?