Beyond 'Sit and Get': Research-Based Engagement Structures for All Disciplines

January 3, 2024 Jill Baker School of Education

Four Corners

Choose from these common frustrations with student engagement:

Student achievement

Student participation

Student attendance

Something else

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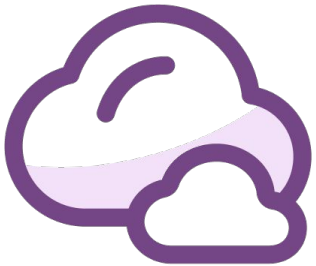

What words best describe your teaching style?

ⓘ Click **Present with Slido** or install our Chrome extension to activate this poll while presenting.

Best Practices in Student Engagement

Today's Focus:

Inclusive learning practices

Active learning strategies

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Inclusive learning practices:

- Activate students' prior knowledge (schema).
- Make learning contextual.
- Acknowledge cultural context.
- Consider the accessibility of the learning space.
- Create relationships.

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What best describes your learning style?

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Think, Write Pair Share

How does your learning style compare to your to teaching style?

We often teach only in the style that best matches the way we learn

Guiding principles that lead to increased student engagement and content retention

10:2:2 Principle

‘Chunk and Chew’

~~P~~rimacy/Recency Effect

Principle of 10:2:2

‘Chunk and Chew’

A guide for ‘chunking’ lectures and pacing class periods.

- 10 minutes of instruction
- 2 minutes of oral processing time
- 2 minutes of individual processing

Primacy/Recency Effect

Beginnings and endings of class periods matter!

New information is most easily absorbed and retained at the beginning and end of a learning episode.

Active and Engaging _ Learning Structures

Timed Pair Share

What kinds of active learning structures do you currently use in ~~y~~our classes ?

Structures you'll leave with...and some you've already used today without even realizing it!

Four Corners ★
Numbered Heads Together
Timed Pair Share ★
Think, Write, Pair, Share ★
Quiz, Quiz, Trade
Rally Robin/Rally Coach Variation
Timed Round Robin

Numbered Heads Together

Let's do a quick review...and talk about ways to modify this structure for lecture halls and other less-flexible learning environments.

How will I know they're talking about what I want them to talk about?

Some ideas...

- Ask for 'reporters'
- Set up the expectations at the beginning of the term
- Recognize that most students are more comfortable in this type of environment than you are!

Rally Robin/Rally Coach Variation

Rally Robin: Brainstorming concepts that students find most challenging in your classroom.

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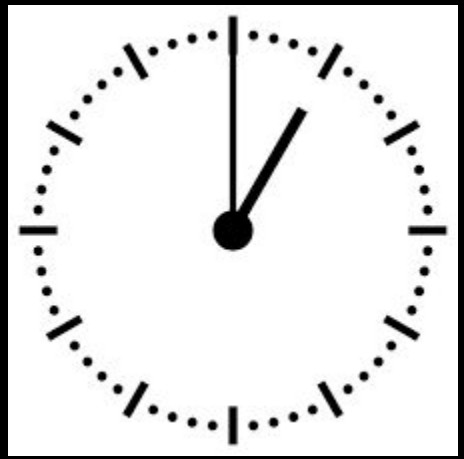
Rally Coach: Problem solving example.

So, how will you apply what you've learned today in your classes on Monday?

Timed writing!



Timed Round Robin

Quiz, Quiz Trade

Let’s recap our learning and create some final connections!

References

Freeman, S. et al. (2014). Active learning increases student performance in science, engineering, and mathematics. PNAS, 111(23), 8410-8415.

Gikandi, J. W., Morrow, D., & Davis, N. E. (2011). Online formative assessment in higher education: A review of the literature. Computers & Education, 57(4), 2333-2351.

Tanner, K. D. (2013). Structure matters: Twenty-one teaching strategies to promote student engagement and cultivate classroom equity. CBE-Life Sciences Education, 12(3), 322-331.

Bishop, J. L., & Verleger, M. A. (2013). The flipped classroom: A survey of the research. ASEE National Conference Proceedings, 30(9), 1-18.

Dabbagh, N., & Kitsantas, A. (2012). Personal learning environments, social media, and self-regulated learning: A natural formula for connecting formal and informal learning. The Internet and Higher Education, 15(1), 3-8.

Ambrose, S. A. et al. (2010). How Learning Works: Seven Research-Based Principles for Smart Teaching. Jossey-Bass.

Kagan, S. (2009). Kagan cooperative learning. Kagan Publishing.