



TEACHING TIPS OF THE MONTH FROM THE MC COMMUNITY



Brought to you by TIDES and PALS May 2018

The Faculty Program for Active Learning in STEM (GTSTEP/PALS+) (www.montgomerycollege.edu/gtstep), the Teaching to Increase Diversity and Equity in STEM (TIDES - <http://cms.montgomerycollege.edu/TIDES/>) grant project, and ELITE (<http://cms.montgomerycollege.edu/elite/>) are happy to bring you the "Teaching Tips of the Month." Both PALS+ (a fellowship to support active-learning in the classroom for part-time instructors) and TIDES (with its focus on active learning and culturally sensitive pedagogy) seek to incorporate highly engaging learning activities for diverse student populations into STEM courses. However, as you will see, many of these activities are not STEM-specific and can be applied to any course. We also welcome your general feedback about this publication, which you can send to tides@montgomerycollege.edu.

Summer Suggested Readings and Tools

[Mindset: The New Psychology of Success, by Carol Dweck](#)

"After decades of research, world-renowned Stanford University psychologist Carol S. Dweck, Ph.D., discovered a simple but groundbreaking idea: the power of mindset. In this brilliant book, she shows how success in school, work, sports, the arts, and almost every area of human endeavor can be dramatically influenced by how we think about our talents and abilities. People with a *fixed mindset*—those who believe that abilities are fixed—are less likely to flourish than those with a *growth mindset*—those who believe that abilities can be developed. *Mindset* reveals how great parents, teachers, managers, and athletes can put this idea to use to foster outstanding accomplishment.



In this edition, Dweck offers new insights into her now famous and broadly embraced concept. She introduces a phenomenon she calls false growth mindset and guides people toward adopting a deeper, truer growth mindset. She also expands the mindset concept beyond the individual, applying it to the cultures of groups and organizations. With the right mindset, you can motivate those you lead, teach, and love—to transform their lives and your own."

(Source: Dweck, Carol S.. *Mindset: The New Psychology Of Success*. New York: Ballantine Books, 2008. Print.)

[Culturally Responsive Teaching and The Brain: Promoting Authentic Engagement and Rigor Among Culturally and Linguistically Diverse Students, by Zaretta L. Hammond](#)

"To close the achievement gap, diverse classrooms need a proven framework for optimizing student engagement. Culturally responsive instruction has shown promise, but many teachers have struggled with its implementation—until now.

In this book, Zaretta Hammond draws on cutting-edge neuroscience research to offer an innovative approach for designing and implementing brain-compatible culturally responsive instruction.

The book includes:

- Information on how one's culture programs the brain to process data and affects learning relationships
- Ten "key moves" to build students' learner operating systems and prepare them to become independent learners
- Prompts for action and valuable self-reflection"

(Source: Hammond, Zaretta, and Yvette Jackson. *Culturally Responsive Teaching and the Brain: Promoting Authentic Engagement and Rigor among Culturally and Linguistically Diverse Students*. Corwin, a SAGE Company, 2015.)

[Grit: The Power of Passion and Perseverance Hardcover, by Angela Duckworth](#)

“In this instant *New York Times* bestseller, pioneering psychologist Angela Duckworth shows anyone striving to succeed—be it parents, students, educators, athletes, or business people—that the secret to outstanding achievement is not talent but a special blend of passion and persistence she calls ‘grit.’

Drawing on her own powerful story as the daughter of a scientist who frequently noted her lack of “genius,” Duckworth, now a celebrated researcher and professor, describes her early eye-opening stints in teaching, business consulting, and neuroscience, which led to the hypothesis that what really drives success is not “genius” but a unique combination of passion and long-term perseverance.

In *Grit*, she takes readers into the field to visit cadets struggling through their first days at West Point, teachers working in some of the toughest schools, and young finalists in the National Spelling Bee. She also mines fascinating insights from history and shows what can be gleaned from modern experiments in peak performance. Finally, she shares what she’s learned from interviewing dozens of high achievers—from JP Morgan CEO Jamie Dimon to New Yorker cartoon editor Bob Mankoff to Seattle Seahawks Coach Pete Carroll.”

(Source: Duckworth, Angela. *Grit: The Power of Passion and Perseverance*. First Scribner hardcover edition. New York: Scribner, 2016.)

[Student Engagement Techniques: A Handbook for College Faculty, 1st Edition, by Elizabeth F. Barkley](#)

“Keeping students involved, motivated, and actively learning is challenging educators across the country, yet good advice on how to accomplish this has not been readily available. Student Engagement Techniques is a comprehensive resource that offers college teachers a dynamic model for engaging students and includes over one hun-

dred tips, strategies, and techniques that have been proven to help teachers from a wide variety of disciplines and institutions motivate and connect with their students. The ready-to-use format shows how to apply each of the book’s techniques in the classroom and includes purpose, preparation, procedures, examples, online implementation, variations and extensions, observations and advice, and key resources.”

(Source: Barkley, Elizabeth F. *Student Engagement Techniques: A Handbook for College Faculty*. San Francisco: Jossey-Bass, 2010. Print.)

[Classroom Assessment Techniques: A Handbook for College Teachers, 2nd Ed, by Thomas A. Angelo and K. Patricia Cross](#)

“This revised and greatly expanded edition of the 1988 handbook offers teachers at all levels how-to advise on classroom assessment, including:

- What classroom assessment entails and how it works.
- How to plan, implement, and analyze assessment projects.
- Twelve case studies that detail the real-life classroom experiences of teachers carrying out successful”

(Source: Angelo, Thomas A, and K P. Cross. *Classroom Assessment Techniques: A Handbook for College Teachers*. San Francisco: Jossey-Bass Publishers, 1993. Print.)

Check out these technology tools for classroom use:



- Voki <http://www.voki.com/>
- Vocaroo Online Voice Recorder: <https://vocaroo.com/>
- Adobe SPARK graphics: <https://spark.adobe.com>
- Animoto video maker: <https://animoto.com/>
- Screencastomatic screen recorder: <https://screencast-o-matic.com/>
- Powtoon video and presentation maker: <https://www.powtoon.com>
- Survey monkey survey tool: [surveymonkey.com](https://www.surveymonkey.com)

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