

## Online Resources for the Active Learning Classroom

### I. Implementation of active learning into curriculum:

- [Getting Started with active learning techniques](#) by the Center for Teaching Innovation at Cornell University
- [Active learning in the middle grades](#) by Susan Edwards (Middle School Journal May 2015)
- [How can you incorporate active learning into your classroom?](#) By the Center for Research on Learning and Teaching at University of Michigan
- [Ableconnect](#) by Harvard University: how-to-guides to implement various activities in your classroom and assessment strategies.
- [226 Active Learning Techniques](#) by Iowa State University

### II. Implementation and Assessment strategies for the classroom:

- [How to Evaluate Group Work](#) by the Center for Teaching Innovation at Cornell University.
- [Strategies to mitigate student resistance to active learning by Sneha Tharayil et al. International Journal of STEM education.](#) 5(7) 2018
- [Steps to Creating an Active Learning Environment](#) by NYU

### III. The Research:

- Does Active Learning Work? A Review of the Research by Michael Prince (Bucknell University). [J. Engr. Education, 93\(3\), 223-231 \(2004\)](#)
- Active learning increases student performance in science, engineering, and mathematics by Scott Freeman, et al. [PNAS, 111\(23\), 8410-8415 \(2014\)](#)
- Deslauriers, L., McCarty, L. S., Miller, K., Callaghan, K., & Kestin, G. (2019). [Measuring actual learning versus feeling of learning in response to being actively engaged in the classroom.](#) Proceedings of the National Academy of Sciences, 116(39), 19251–19257.
- Theobald, E. J., et al. (2020). [Active learning narrows achievement gaps for underrepresented students in undergraduate science, technology, engineering, and math.](#) Proceedings of the National Academy of Sciences, 117(12), 6476–6483.
- [The Effect of Active Learning Approach on Attitudes of 7th Grade Students](#) by Cavide Demirci. International Journal of Instruction, 10 (4). 1694-609X (2017).