Reading List on Assessing Cooperative Learning and Group Work

Peer-reviewed Articles and White Papers

Aggarwal, P., and O'Brien, C. L. (2008). Social loafing on group projects: Structural antecedents and effect on student satisfaction. *Journal of Marketing Education,* ***30***(3), 255-264. http://jmd.sagepub.com/content/30/3/255

Barr, T. F., Dixon, A. L., and Gassenheimer, J. B. (2005). Exploring the "lone wolf" phenomenon in student teams. *Journal of Marketing Education,* ***27***(1), 81-90. http://jmd.sagepub.com/content/27/1/81

Felder, R. M. (2007). Sermons for grumpy campers. *Chemical Engineering Education,* ***41***(3), 183-184.
http://www4.ncsu.edu/unity/lockers/users/f/felder/public/Columns.html

> Short speeches to persuade students that active and cooperative learning are not violations of their civil rights, but instructional methods likely to improve their learning and grades and prepare them for their future careers.

Felder, R. M., and Brent, R. (1994). *Cooperative learning in technical courses: Procedures, pitfalls, and payoffs.* Report for the National Science Foundation. http://www4.ncsu.edu/unity/lockers/users/f/felder/public/Papers/Coopreport.html

Felder, R. M., and Brent, R. (1996). Navigating the bumpy road to student-centered instruction. *College Teaching,* ***44***(2), 43-47.
http://www4.ncsu.edu/unity/lockers/users/f/felder/public/Papers/Resist.html

> The nature and causes of student resistance to student-centered instructional methods, and techniques for avoiding or minimizing the resistance.

Felder, R. M., and Brent, R. (2001). Effective strategies for cooperative learning. *Journal of Cooperation & Collaboration in College Teaching,* ***10***(2), 69-75. http://www4.ncsu.edu/unity/lockers/users/f/felder/public/Papers/CLStrategies(JCCCT).pdf

> Tips on forming teams, dealing with dysfunctional teams, grading team assignments, and using cooperative learning in a distance-learning environment.

Felder, R. M., and Brent, R. (2007). Cooperative Learning. In: *Active Learning: Models from the Analytical Sciences* (ed. P. A. Mabrouk). American Chemical Society Symposium Series 970.
http://www4.ncsu.edu/unity/lockers/users/f/felder/public/Papers/CLChapter.pdf

> A book chapter that provides an overview of definitions and methods of cooperative learning and a review of CL applications in chemistry.

Finelli, C. J., Bergom, I., and Mesa, V. (2011). Student teams in the engineering classroom and beyond: setting up students for success. *CRLT Occasional Papers,* ***29***, 1-12. The University of Michigan Center for Research on Learning and Teaching. http://www.crlt.umich.edu/sites/default/files/resource_files/CRLT_no29.pdf

Summarizes research on pedagogical reasons to use cooperative learning strategies, particularly in light of the skills needed by professional engineers. Provides a framework to ensure that student teams have five key traits necessary for success, such as *positive interdependence* and *individual accountability.*

Oakley, B., Felder, R. M., Brent, R., and Elhajj, I. (2004). Turning student groups into effective teams. *Journal of Student Centered Learning*, **2**(1), 9-34.
http://www4.ncsu.edu/unity/lockers/users/f/felder/public/Papers/Oakley-paper(JSCL).pdf

Techniques for avoiding dysfunctional teams, dealing with them when they arise, and helping students acquire the skills they will need to form high-performance teams.

Web Resources and Tools

CATME SMARTER Teamwork. Comprehensive Assessment of Team Member Effectiveness. Project Director: Matt Ohland, Purdue University.
http://info.catme.org

Cooperative Learning. *Center for Teaching – Teaching Guides,* Vanderbilt University.
https://cft.vanderbilt.edu/guides-sub-pages/cooperative-learning/

Cooperative Learning. Rebecca Teed, John McDaris, and Cary Roseth. *Starting Point: Teaching Entry Level Geoscience.* The Science Education Resource Center at Carleton College.
http://serc.carleton.edu/introgeo/cooperative/index.html

Cooperative Learning: Group Work. *Center for Teaching Excellence – Teaching Ideas*, Cornell University.
http://www.cte.cornell.edu/teaching-ideas/engaging-students/collaborative-learning.html

An Overview of Cooperative Learning. David W. Johnson and Roger T. Johnson. *The Cooperative Learning Institute.* University of Minnesota.
http://www.co-operation.org

SCALE-UP. Student-Centered Active Learning Environment with Upside-down Pedagogies. Robert J. Beichner, Physics Education Research and Development Group, North Carolina State University.
http://scaleup.ncsu.edu

Team Learning: Cooperative Learning in the Science Classroom. Clyde Freeman Herreid. *National Center for Case Study Teaching in Science*, University at Buffalo, State University of New York.
http://sciencecases.lib.buffalo.edu/cs/training/videos/Team_Learning.pdf