

## Instructional Practices Elementary Mathematics Professional Learning

## **Cooperative Learning**



Cooperative learning is an inquiry based instructional strategy. "Cooperative learning is the instructional use of small groups so that students work together to maximize their own and each other's learning." Taken from: <u>http://www.co-operation.org/what-is-cooperative-learning/</u>







Articles Books Research Taken from: <a href="http://www.co-operation.org/what-is-cooperative-learning/">http://www.co-operation.org/what-is-cooperative-learning/</a> There are 7 benefits for using cooperative learning. They are: student achievement, student retention, improved relations, improved critical thinking skills, oral communication improvement, promoted social skills, heightened

Why use cooperative learning, and the cooperative learning components: <u>http://www.ldonline.org/article/5932/</u> https://www.oecd.org/edu/ceri/48078491.pdf

Making Cooperative Learning work

self-esteem

Co-operative learning for smarties: <u>http://bctf.ca/SocialJustice.aspx?id=15060</u> For the video *How to teach math as a social activity*, articles, and lots of selfevaluation tools, see the links below: <u>http://www.edutopia.org/math-social-activity-sel</u> http://iwilson.coe.uga.edu/EMAT7050/Students/Dwyer/27970923.pdf

Collaborative Learning Structures and Techniques <u>http://www.gdrc.org/kmgmt/c-learn/methods.html</u> Four Collaborative Learning Strategies <u>http://www.gdrc.org/kmgmt/c-learn/strategies.html</u> Cooperative Learning Tool - Silent Card Shuffle (although this is an example for Language Arts, this step-by-step video is easy to understand and is easily applicable to mathematics) https://www.youtube.com/watch?v=YGimtrwVF1g

Cooperative Learning: Strategies and Tools (18-page document): <u>http://tinyurl.com/zs4ma2p</u> Does Cooperative Learning Improve Student Learning Outcomes? <u>http://www.tandfonline.com/doi/abs/10.3200/JECE.38.3.259-277</u> What is Cooperative Learning and what does it do? <u>http://tinyurl.com/hzmubxb</u>