
ANDREW MCEACHERN, Queen's University
How Tournaments Can Change The Classroom

Mathematical games are often overlooked as teaching tools in classrooms of all levels. They are low-floor, high-ceiling when it comes to student engagement, and students of all abilities tend to grapple with them fairly readily. This talk will focus on the high school and undergraduate level, and describe some ways in which a tournament using mathematical games can fire the imagination of your students. I will describe some pitfalls I've dealt with, and give some helpful advice to those interested in running a tournament, especially for a large group.