

Distinguished Speakers Series

The Mindset Revolution: Teaching Mathematics for a Growth Mindset with Jo Boaler, Stanford University

In recent years scientific studies have demonstrated that student and teacher 'mindsets' have a profound impact on learning. Students with a 'growth mindset' (Dweck, 2006) who believe that intelligence and 'smartness' can be learned and that the brain can grow from exercise learn more effectively, displaying a desire for challenge and showing resilience in the face of failure. Such behaviors encourage greater math persistence, engagement and high achievement. Mathematics teachers play a critical role in the development of student mindsets and this session will review the ways to teach for a growth mindset, including attention to classroom norms, math tasks, questions and assessment.

In **this day long workshop** we will consider together what it means to teach math for a growth mindset. We will look at different mathematics tasks, forms of assessment and grading, grouping arrangements, encouragement and praise, and many other aspects of mathematics teaching. We will do this through classroom videos and through working on math tasks together.

Bio: Dr. Jo Boaler is a Professor of Mathematics Education at Stanford University, and the co-founder of www.youcubed.org. She is also an analyst for PISA testing in the OECD, and author of the first MOOC on mathematics teaching and learning. She is the author of nine books and numerous research articles. Her latest book is *Mathematical Mindsets: Unleashing Students' Potential through Creative Math, Inspiring Messages and Innovative Teaching* (2016), and is published by Wiley. She serves as an advisor to several Silicon Valley companies. She was an Aspen Ideas speaker and a White House presenter on girls and STEM. Her work has been published in the *Times*, *The Telegraph*, *The Financial Times* and many other news outlets. She was recently named one of the eight educators "changing the face of education" by the BBC.

Targeted Audience: Administrators, Coaches, Teachers, & Paraprofessionals

Register now:

<http://cccoe-joboaler.eventbrite.com>

Cost: \$110 per participant • Lunch will be provided

CCCOE is sponsoring a portion of the cost of this event.

For information, please contact
Christen Schwartz, Math Coordinator
cschwartz@cccoe.k12.ca.us or call (925) 942-3435



Thursday,
December 15, 2016
8:30 a.m.-3:30 p.m.
Pleasant Hill Community
Center
320 Civic Dr.
Pleasant Hill



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