

## GRADES 9-12

### Developing Rich Mathematical Tasks

The mathematical tasks that students experience shape the way they view mathematics. Students might see math as a subject of right or wrong based on procedures and memorization. Or, students might view math as a time of problem solving through communication and collaboration where their creativity in thinking is valued.

**Rich mathematical tasks** engage students in Standards for **Mathematical Practices** while building content knowledge and critical thinking skills. Participants will learn:

- What makes a problem cognitively demanding?
- What types of math tasks better support our student's critical thinking and conceptual understanding?
- How can we ensure that level of rigor (DOK) is maintained throughout the task as we guide our kids to construct their own knowledge and they learn what they are expected to learn?
- How to modify textbook problems into more cognitively demanding questions and create their own tasks.

**As we provide plenty of thoughtful and conceptual learning experiences via rich tasks to our kids, we begin to not only cultivate sophisticated math minds but also develop the skills necessary to thrive in the 21<sup>st</sup> Century.**

**Cost: \$250 per person**

## July 24 & 25, 2017

**Registration Deadline:  
July 14, 2017**

**REGISTRATION**

<http://formbuilder.sjcoe.org/form.aspx?f=626>