

Teaching Through the Lens of **TRANSFORMATIONAL GEOMETRY**

Common Core Geometry Workshop:

Geometry in the Common Core is quite different than what has been traditionally taught. In addition to using a transformational approach, many topics typically taught in high school are now expected in middle school. Trigonometry is developed from two distinct approaches: similarity of right triangles, and modeling periodic circular motion.

This 5-day workshop is aimed at providing a practical guide for High School and Middle School teachers. We will weave together five main themes around the the key topics of Common Core Geometry.

Five Themes of the Workshop:

- 1) Constructing Viable Arguments
- 2) Mathematical Modeling
- 3) Instructional Strategies for Supporting Students in (1) and (2)
- 4) Performance Assessments
- 5) Curricular Unit Design and Implementation

Each day will include a variety of activities focused on developing participants own content knowledge and practical support for implementation in the classroom.

Teachers who participated in last summer's geometry workshop are invited to return for this summer because there will be all new activities!

August 3-7, 2015

8:30am - 4:00pm

Fresno Pacific University

\$650 registration fee

(optional university credit available at check-in)

Lunch and materials provided

FEATURING:



Dr. Patrick Callahan

Dr. Patrick Callahan is the Statewide Co-Director of the California Mathematics Project. He is also a content leader for Illustrative Mathematics, as well as a member of the Smarter Balanced Assessment Consortium's Item Quality Review Expert Panel.

As a mathematician who has been deeply involved with improving education for twenty years, Dr. Callahan offers broad experience, multiple perspectives, and relevant, practical content for teachers and administrators.



Jessica Balli

Jessica Balli is currently a high school mathematics teacher in Windsor, CA. She has been teaching for 9 years and has worked in a small charter school as well as a large, comprehensive high school. Jessica recently earned her Master's degree in Curriculum, Teaching, and Learning from Sonoma State University.

Jessica is currently leading professional development sessions and presenting at conferences at both the regional and national levels.

REGISTRATION:

<http://geometryworkshop2.eventbee.com/t/flyer>

CONTENT QUESTIONS:

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In collaboration with the
Central Section of the California Math Council

