



UC Davis Mathematics Project

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UCDMP OPEN INSTITUTE Transformational Geometry for teachers of grades 8-12

The *UC Davis Mathematics Project*

in collaboration with the Vacaville Unified School District presents ...

Transformational Geometry

A Summer Mathematics Institute for teachers of grades 8-12

Complete registration and payment by July 12, 2013 to save on registration fees.

Join us July 29th-August 2nd as we explore the Common Core State Standards with an emphasis on the standards for Geometry from 8th grade through high school.

The new Common Core State Standards leave the title of a familiar course "Geometry" the same but significantly change the way the logic of that subject is developed. The same theorems are proved, but the fundamental reasoning behind congruence is now that of a "rigid motion" or "rigid transformation." This institute will explore how classroom instruction, curricular materials, and expectations for students will change as a result of these new standards.

Instructors for this institute will be Dr. Patrick Callahan, one of the national leaders supporting the implementation of geometry for the Common Core, and Dr. Tom Sallee, who has just finished helping with the CPM Geometry course revision.

Working with Dr. Callahan and Dr. Sallee, as well as teacher leaders experienced in teaching geometry, you will:

- ✓ Gain a familiarity with the CCSS Standards for Geometry
- ✓ Understand the various types of rigid motions, their properties and their relationships to each other
- ✓ See how core geometry theorems may be proved using rigid motions
- ✓ Develop a plan to incorporate the approaches called for by the new standards into your current geometry program.

Dates: July 29-August 2, 2013

Time: 8:30 AM – 3:30 PM

Location: Vacaville Unified School District
401 Nut Tree Road
Vacaville, CA 95687

Cost: \$425 by 5:00PM on July 12th, \$455 after 5:00PM of July 12th
(includes morning snack, lunch, and teacher materials)

Extras: •Certificate of completion for 30 professional development hours in mathematics will be awarded to teachers who complete the Institute.
•Optional 3.0 Continuing Education Units through UC Extension will be available for purchase at an additional cost of \$130, pending approval.

To register for this Institute:

Enroll online at <http://ucdmp.ucdavis.edu/> or by paper-form.
Make payment by credit card, check, or approved PO.

Space for this program is limited, so register early!

Content questions? Contact Pam Hutchison or Julie Orosco.
Registration questions? Contact Thu Pham at tjpham@ucdavis.edu.

Registration form for UC DMP Open Institute (grades 8-12)

Transformational Geometry

Complete registration and payment by July 12, 2013 to save on registration fees.

First name: _____ M.I.: _____ Last name: _____

Address: _____

City/Town: _____, CA Zip Code _____

Primary email: _____ Alternate email: _____

Home phone: _____ Work phone: _____

School: _____ District: _____

All grades you have taught: _____ Grades you currently teach: _____

Year you began teaching: _____ Have you had any breaks in service? If so, how long? _____

- Enrollment:** ✓ Enroll online at <http://ucdmp.ucdavis.edu> and pay by credit card, or
 ✓ Scan and email completed registration form with approved purchase order to Thu Pham at tjpham@ucdavis.edu, or
 ✓ Mail or hand-deliver completed application and payment to the following address.
 Check should be made payable to "The Regents of UC" and must be RECEIVED by 5:00PM on July 12th to qualify for the discounted \$425 fee. **Please allow up to 10 days for USPS mail to reach our department.**

Thu Pham
 School of Education, room 217A
 University of California, Davis
 One Shields Avenue
 Davis, CA 95616

Registration and Cancellation Policy: I understand that upon submission of this registration, I am responsible for the full registration fee payment--\$425 due at UC DMP office by 5:00PM on July 12th; \$455 after 5:00PM of July 12th. Cancellations must be received in writing via email by July 13, 2013 and are subject to a cancellation fee equivalent to 20% of the registration fee. After that date, substitutions are allowed but no refunds will be made. No-shows or late cancellations will be billed the full registration amount of \$455. To cancel, please email Thu Pham at tjpham@ucdavis.edu.

Payment enclosed: ☐ Purchase Order # _____ ☐ Check # _____

 Registrant signature (required)

 date

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 Julie Orosco at (530) 752-6632 or email jcorosco@ucdavis.edu.

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Additional flyers and registration forms may be downloaded from our web-site,
<http://education.ucdavis.edu/ucdmp>

Feel free to share program information with your colleagues.