

# DJUSD Differentiation and Math Professional Growth 2013-14

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## Intermediate Math Planning

**Date:** July 11, 2013

**Grade Level:** 4-6

**Number of Attendees:** 15

Intermediate teachers met to review current standards and transition to Common Core Standards. Team also discussed strategies for differentiation including clustering, block scheduling, project based learning, and a variety of other strategies.

## Math Specialists Planning

**Date:** July 25, 2013

**Grade Level:** 4-6 Math Specialists

**Number of Attendees:** 4

Math Specialists reviewed our current instructional materials adoptions and identified resources teachers can use in those programs to support differentiation in the classroom. This information was disseminated to principals and intermediate teachers.

## California Association for the Gifted - Teacher Institute and Summer Demonstration Schools

**Date:** July 24-26, 2013

**Grade Level:** 4

**Number of Attendees:** 8

Become an "Expert" in teaching the revised California GATE Standards and Common Core Standards. This years' program focuses on Relationships: 1. Relationship between the Common Core Standards and the GATE Standards; 2. Relationship between Game Theory and Play and Differentiation; 3. Relationship between Literacy and Math, Science and Social Studies; 4. Relationship between Globalization and Universal Concepts; 5. Relationship between Achievement and Intellectual Ecology; and 6. Relationship between Depth and Complexity and the New Prompts.

## Model Drawing Overview for the CCSS

**Date:** August 20, 2013

**Grade Level:** 2-6

**Number of Attendees:** 22

Participants will familiarize themselves with the Standards for Mathematical Practice. An overview of Model Drawing will provide participants with the strategies to help students build greater meaning of word problems. Participants will participate in guided and independent practice. Finally, participants will explore a few of the many online resources and begin to gather and create materials to augment our existing math curriculum.

## Junior High Review and Analysis of Math Content in the CCSS

**Date:** August 22, 2013

**Grade Level:** 7-9

**Number of Attendees:** 7

Workshop will review current topics that are in the Junior High math courses. There will be overview of

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CCSS math standards. Teachers will determine what topics will be added, deleted and enhanced in current courses to meet CCSS. The goal of the workshop is to focus on CCSS 2015 testing and vertical alignment of curriculum 7-9 grade.

Outcomes Will Be: 1. Curriculum Map for Transition Math Course 2013-2014; 2. Plans for 8th Grade Course 2014-15; 3. Plans for 9th Grade 2014- 15; 4. Plan for Compacted 7/8 grade course 2014-15

### 6th Grade Math Links Workshop 2013-14

**Date:** October 2-3, 2013

**Grade Level:** 6

**Number of Attendees:** 16

This two day workshop will provide 6th grade teachers an opportunity to work with the authors of Math Links—a supplemental program which provide lessons and units to better align our current Glencoe adoption to new Common Core State Standards for 6th grade. Teachers will work with program authors to begin designing a year-long look at 6th grade math instruction, review replacement unit material new to 6th grade, plan in site teams, and discuss how to align future units to common core curriculum.

### California Association for the Gifted - 2013 Northern California Symposium

**Date:** November 2, 2013

**Grade Level:** 5

**Number of Attendees:** 3

Learn practical strategies for extending and reinforcing the Common Core Standards. Choose from over 60 workshops covering hands-on differentiation strategies. Special sessions for school administrators. Strands for Elementary, Middle, and High School Teachers. Sessions dedicated to English, Math, Science and Social Studies. Workshops on serving gifted English Language Students, twice exceptional and other underserved populations.

### UCD Math Leadership Workshop

**Date:** November 4, 2013

**Grade Level:** K-6

**Number of Attendees:** 20

Number Sense - This is the first in a two part workshop for teacher leaders at each of the Elementary Sites. Teachers will work with Pam Hutchison, Director of the UCD Math Project, on developing number sense K-6. Teachers will participate in a one day workshop to review the development and progression of number sense through the elementary grades. The presentation will show how number sense develops for students at each grade level and the importance of creating a solid foundation in this area. Additionally, there will be a focus on CCSS and the importance of integrating the eight standards for Mathematical Practice into daily mathematics instruction. After the presentation participants will be expected to design and create a workshop presentation for Wednesday, December 18, focusing on the important issues presented during the workshop and tailored for their site and staff needs.

### California Mathematics Council-North: Mathematics Conference 2013 Asilomar

**Date:** December 6-8, 2013

**Grade Level:** K-12

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**Number of Attendees:** 9

Sessions Include: Transformational Geometry in the Common Core/Launching the Transformation with Performance Tasks/Ten Strategies for Making Questioning Central to Teaching/Moving Beyond the Right Answer/The Mathematics of Angry Birds/Flipping the Secondary Classroom/Enhance Student Math Instruction with Interactive Whiteboards/Making the Core Math Standards Relevant to Young Learners/Talking and Writing in Math/Supports Mathematical Thinking.

## UCD Mathematics Leadership Workshop

**Date:** January 14, 2014

**Grade Level:** K-6

**Number of Attendees:** 22

Number Sense - This is the first in a two part workshop for teacher leaders at each of the Elementary Sites. Teachers will work with Pam Hutchison, Director of the UCD Math Project, on developing number sense K-6. Teachers will participate in a one day workshop to review the development and progression of number sense through the elementary grades. The presentation will show how number sense develops for students at each grade level and the importance of creating a solid foundation in this area. Additionally, there will be a focus on CCSS and the importance of integrating the eight standards for Mathematical Practice into daily mathematics instruction. After the presentation participants will be expected to design and create a workshop presentation for Wednesday, December 18, focusing on the important issues presented during the workshop and tailored for their site and staff needs.

## Math Links Follow-Up

**Date:** January 23, 2014

**Grade Level:** 6

**Number of Attendees:** 25

Extension of September's Math Links Training.

## Mathematics – California Common Core State Standards Professional Growth

**Date:** April 11, 2014

**Grade Levels:** 7 – 12

**Number of Attendees:** 9

Workshops focused on formative assessment. The development of rigorous curriculum. Services that support struggling students. Curriculum development that promotes cultural awareness. Extension of existing staff development projects. Support for the implementation of new adoptions. Priority will be given for collaborative types of activities.

## UC Davis Mathematics Project: Engaging Students in Learning Math Using Problem Solving, Math Tasks, and Games

**Date:** June 16-20

**Grade Levels:** 6-9

**Number of Attendees:** TBD

We will explore and share problems, tasks, games and activities designed to enhance children's genuine

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understanding of mathematics and its connections to thinking, reasoning and real world problem solving with the goal of creating a complete one-week summer enrichment experience to be implemented the following week.

### **California Association for the Gifted – Teacher Institute and Demonstration School Summer Workshop**

**Date:** June 25-27, Roseville; July 23-25, Santa Barbara; August 6-8, Oceanside

**Grade Levels:** 4 – 8

**Number of Attendees:** TBD

Moving From the Basics to Differentiated Curriculum: The three day teacher institute will address the following questions: 1) How can the Common Core State Standards be differentiated to challenge gifted and high ability learners? 2) How can students be encouraged to develop their interests and potential while studying the core curriculum? 3) How can lessons provide academic rigor with depth and complexity.

### **UC Davis Mathematics Project: Engaging Students in Learning Math Using Problem Solving, Math Tasks, and Games**

**Date:** July 7-11

**Grade Levels:** 4-6

**Number of Attendees:** TBD

We will explore and share problems, tasks, games and activities designed to enhance children's genuine understanding of mathematics and its connections to thinking, reasoning and real world problem solving with the goal of creating a complete one-week summer enrichment experience to be implemented the following week.

### **UC Davis Mathematics Project: Building Number Sense: Constructing a Solid Foundation**

**Date:** July 21-25, 2014

**Grade Levels:** 3 – 6

**Number of Attendees:** TBD

We will investigate strategies and models for teaching multiplication and division of whole numbers as well as operations with fractions and decimals in ways that help students deepen their overall number sense.

### **UC Davis Mathematics Project: Developing and Implementing a Daily Math Program**

**Date:** August 4 – 6, 2014

**Grade Level:** K-3

**Number of Attendees:** TBD

This three-day institute devoted to creating a daily math program to put in place next fall. We will work together to create materials and plans that support math talk, number sense, and ongoing review and practice.

Together with mathematics educators and teacher leaders, you will: Increase your familiarity with the Common Core State Standards for Grades K-3; Examine key elements in a daily math program and choose from a wide array of materials and templates to create your own customized daily math routine; Construct calendar pieces and other materials needed to fully implement a daily math routine in your

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classroom; Explore games and other resources to that promote active student engagement.

### DJUSD Gifted Certificate

**Date: 2014-15 School Year (Specific dates TBD)**

**Grade Level: K-12**

**Number of Attendees: TBD**

DJUSD Certification Series includes: Introduction to Gifted and Talented; Identification of Gifted Students; Differentiation for Gifted in the General Education Classroom; Developing Curriculum; and Social Emotional Issues of Gifted. Teachers may either complete the series and receive a DJUSD Gifted Certificate or complete individual workshops.

### Other Gifted and Talented Certificate Programs

Staff may earn professional growth credits for advancement on the DJUSD Salary Schedule through the following programs:

UC Riverside [http://www.extension.ucr.edu/academics/certificates/education\\_gifted.html](http://www.extension.ucr.edu/academics/certificates/education_gifted.html)

UC Irvine <http://unex.uci.edu/areas/education/gate/>

UC San Diego Extension

<http://extension.ucsd.edu/programs/index.cfm?vAction=certDetail&vCertificateID=36&vStudyAreaID=8;>

San Diego State University <http://go.sdsu.edu/education/sped/giftedcertificate.aspx>

### Math Specialists Planning Grants

**Dates: 2014-15 School Year**

**Grade Level: 4 – 6**

School Site Grade Level Teams (or grade spans) may submit a proposal to the office of Instructional Services. Math specialists will work with site teams on curriculum planning, assessment, student engagement, differentiation, classroom structure, and review of student achievement data to inform instruction.