Mathematics: Implementing the Common Core State Standards for the K-2 Mathematics Classroom

Dates: October 22, 23, and November 6, 2013 or January 13, 14, and 24, 2014
Time: 8:30 a.m. – 3:00 p.m.
Location: Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242
Cost: $250
Audience: Elementary K-2 Classroom Teachers, Mathematics Coaches, District Mathematics Leads, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards (CCSS) for Mathematics were designed to provide a consistent, clear understanding of what students are expected to learn in mathematics. It is considered robust and relevant to the real world, reflecting the knowledge and skills that our young people need in preparation for college, career and citizenship in the 21st Century. Implementation of the Mathematics Standards requires a shift in classroom instruction and assessment practices.

This three-day training is designed to provide participants with the following knowledge, skills, and resources:

• An understanding of the Standards of Mathematical Content and Practice and implications for teaching and learning;
• Requirements for student success with assessments aligned to the standards;
• An understanding of the depth of knowledge required of students;
• Lessons infused with the Standards of Mathematical Practice with a focus on modeling;
• Effective instructional strategies to increase student proficiency with the standards;
• The progressions of each domain of the standards across the grades; and
• Implications for English Learners and other special needs populations.

Contact: Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu

Mathematics: Implementing the Common Core State Standards for the 3-5 Mathematics Classroom

Dates: September 17, 18, and 26, 2013 or February 4, 5, and 24, 2014
Time: 8:30 a.m. – 3:00 p.m.
Location: Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242
Cost: $250
Audience: Elementary 3-5 Classroom Teachers, Mathematics Coaches, District Mathematics Leads, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards (CCSS) for Mathematics were designed to provide a consistent, clear understanding of what students are expected to learn in mathematics. It is considered robust and relevant to the real world, reflecting the knowledge and skills that our young people need in preparation for college, career and citizenship in the 21st Century. Implementation of the Mathematics Standards requires a shift in classroom instruction and assessment practices.

This three-day training is designed to provide participants with the following knowledge, skills, and resources:

• An understanding of the Standards of Mathematical Content and Practice and implications for teaching and learning;
• Requirements for student success with assessments aligned to the standards;
• An understanding of the depth of knowledge required of students;
• Lessons infused with the Standards of Mathematical Practice with a focus on modeling;
• Effective instructional strategies to increase student proficiency with the standards;
• The progressions of each domain of the standards across the grades; and
• Implications for English Learners and other special needs populations.

Contact: Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu

Mathematics: Implementing the Common Core State Standards for the 6-8 Mathematics Classroom

Dates: October 8, 9, 18, 2013 or February 6, 7, 27, 2014
Time: 8:30 a.m. – 3:00 p.m.
Location: Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242
Cost: $250
Audience: Middle School Classroom Teachers, Mathematics Coaches, District Mathematics Leads, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards (CCSS) for Mathematics were designed to provide a consistent, clear understanding of what students are expected to learn in mathematics. It is considered robust and relevant to the real world, reflecting the knowledge and skills that our young people need in preparation for college, career and citizenship in the 21st Century. Implementation of the Mathematics Standards requires a shift in classroom instruction and assessment practices.

This three-day training is designed to provide participants with the following knowledge, skills, and resources:
• An understanding of the Standards of Mathematical Content and Practice and implications for teaching and learning;
• Requirements for student success with assessments aligned to the standards;
• An understanding of the depth of knowledge required of students;
• Lessons infused with the Standards of Mathematical Practice with a focus on modeling;
• Effective instructional strategies to increase student proficiency with the standards;
• Options for eighth-grade courses and the CCSS assessments; and
• Implications for English Learners and other special needs populations.

Contact: Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu

Mathematics: Implementing the Common Core State Standards for the 9-12 Mathematics Classroom

Dates: November 7, 8, and 15, 2013 or March 12, 13, and 28, 2014
Time: 8:30 a.m. – 3:00 p.m.
Location: Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242
Cost: $250
Audience: High School Classroom Teachers, Mathematics Coaches, District Mathematics Leads, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards (CCSS) for Mathematics were designed to provide a consistent, clear understanding of what students are expected to learn in mathematics. It is considered robust and relevant to the real world, reflecting the knowledge and skills that our young people need in preparation for college, career and citizenship in the 21st Century. Implementation of the Mathematics Standards requires a shift in classroom instruction and assessment practices.
This three-day training is designed to provide participants with the following knowledge, skills, and resources:

- An understanding of the Standards of Mathematical Content and Practice and implications for teaching and learning;
- Requirements for student success with assessments aligned to the standards;
- An understanding of the depth of knowledge required of students;
- Lessons infused with the Standards of Mathematical Practice with a focus on modeling;
- Effective instructional strategies to increase student proficiency with the standards;
- An understanding of “Career and College Ready” and its implications for high school course pathways; and
- Implications for English Learners and other special needs populations.

Contact: Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu

Mathematics: A Deeper Look at the Common Core State Standards

Dates: November 4, 5, 2013 or March 17, 18, 2014
Time: 8:30 a.m. – 3:00 p.m.
Location: Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242
Cost: $175
Audience: Elementary and Secondary Classroom Teachers, Math Coaches, District Math Leads, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards (CCSS) for Mathematics were designed to provide a consistent, clear understanding of what students are expected to learn in mathematics. It is considered robust and relevant to the real world, reflecting the knowledge and skills that our young people need in preparation for college, career and citizenship in the 21st Century. Implementation of the Mathematics Standards requires a shift in classroom instruction and assessment practices.

This two-day training is designed to provide participants with the following knowledge, skills, and resources:

- Developing skills through problem solving and inquiry
- Developing skills to enrich existing tasks in current instructional materials
- Modeling math, literacy, and technology skills
- Vertical articulation
- Discussion and practical ideas for acceleration at the secondary level

Contact: Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu

Common Core State Standards and TMEL: Teaching Mathematics to English Learners (K-5)

Dates: March 5, 6, and 19, 2014
Time: 8:30 a.m. – 3:00 p.m.
Location: Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242
Cost: $250
Audience: Elementary K-5 Classroom Teachers, Math Coaches, District Math Leads, ELD Specialists, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards (CCSS) for Mathematics were designed to provide a consistent, clear understanding of what students are expected to learn in mathematics. These sessions provide participants with effective research-based differentiation strategies that ensure access to standards-based elementary mathematics for all students, specifically English Learners.
The California Region XI Algebra Forum will share materials and strategies that can be used district-wide to improve English learner mathematics outcomes.

This three-day training is designed to provide participants with the following knowledge, skills, and resources:

- Develop an understanding of the implications of the Standards for Mathematical Practice for teaching English learners;
- Build connections between prior knowledge and the mathematics standards using multiple representations to foster comprehension;
- Discuss flexible groupings of students for maximum use of language as a tool for learning mathematical content;
- Make use of CELDT data and language development performance indicators to differentiate mathematics instruction and bridge to the Common Core Standards for Mathematical practice; and
- Promote 21st Century skills by addressing communication, critical thinking, creativity, collaboration and making connections across and between disciplines.

**Contact:** Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu

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**Common Core State Standards and TMEL: Teaching Mathematics to English Learners (6-12)**

**Dates:** February 20, 21, and March 14, 2014  
**Time:** 8:30 a.m. – 3:00 p.m.  
**Location:** Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242  
**Cost:** $250  
**Audience:** Secondary (6-12) Classroom Teachers, Math Coaches, District Math Leads, ELD Specialists, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards (CCSS) for Mathematics were designed to provide a consistent, clear understanding of what students are expected to learn in mathematics. These sessions provide participants with effective research-based differentiation strategies that ensure access to standards-based secondary mathematics for all students, specifically English Learners.

The California Region XI Algebra Forum will share materials and strategies that can be used district-wide to improve English learner mathematics outcomes.

This three-day training is designed to provide participants with the following knowledge, skills, and resources:

- Develop an understanding of the implications of the Standards for Mathematical Practice for teaching English learners;
- Build connections between prior knowledge and the mathematics standards using multiple representations to foster comprehension;
- Discuss flexible groupings of students for maximum use of language as a tool for learning mathematical content;
- Make use of CELDT data and language development performance indicators to differentiate mathematics instruction and bridge to the Common Core Standards for Mathematical practice; and
- Promote 21st Century skills by addressing communication, critical thinking, creativity, collaboration and making connections across and between disciplines.

**Contact:** Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu

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### Common Core State Standards and the Standards for Mathematical Practice (K-12)

**Dates:** Five-Week Online Course  
Summer Session: July 19, 2013 - August 30, 2013  
Fall Session: October 18, 2013 – November 29, 2013  
Winter Session: January 17, 2014 – February 28, 2014  

**Location:** Online Course – with Internet access, participants can take the course from any location.  

**Cost:** $200  

**Audience:** Elementary Classroom Teachers, Mathematics Teachers Grades 6-12, Mathematics Coaches, District Mathematics Leads, Curriculum and/or Assessment Coordinators  

This course discusses the use of number lines throughout the standards, a close look at Number and Operations in K-5, Expressions and Equations in Middle School and Building Functions in High School. It supports teachers in strengthening their knowledge on the Common Core State Standards and highlights classroom strategies that support the Standards for Mathematical Practice.

This online course is designed to provide participants with the following knowledge, skills, and resources:  
- Access to mentor teachers through an interactive, moderated course;  
- Multimedia enhanced content; and  
- Opportunity to earn 4.5 UCLA Graduate units or 3 LAUSD salary points.  

Contact: Dotti Ysais at (562) 922-8852 or Ysais_Dotti@lacoe.edu

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### Common Core Depth of Knowledge – Mathematics (K-12)

**Dates:** Six-Week Online Course  
Fall Session (Online): October 18, 2013 – November 29, 2013  
Winter Session (Online): January 17, 2014 – February 28, 2014  

**Location:** Online Course – with Internet access, participants can take the course from any location.  

**Cost:** $200  

**Audience:** Mathematics Teachers, Grades K-12, Mathematics Coaches, District Mathematics Leads, Curriculum and/or Assessment Coordinators  

Depth of Knowledge (DOK) offers a common language to understand “rigor,” or cognitive demand, in assessments, as well as curricular units, lessons, and tasks. This course consists of six modules that cover how the four DOK levels grow in cognitive complexity in Mathematics with the use of examples, in-depth readings, and activities to help apply learning to the classroom and begin to integrate the DOK levels and the CCSS standards into practice.

This online course is designed to provide participants with the following knowledge, skills, and resources:  
- Access to mentor teachers through an interactive, moderated course;  
- Multimedia enhanced content; and  
- Opportunity to earn 4.5 UCLA Graduate units or 3 LAUSD salary points.  

Contact: Dotti Ysais at (562) 922-8852 or Ysais_Dotti@lacoe.edu

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### Common Core Depth of Knowledge – Mathematics (K-12)

**Dates:** Blended course:  
Face-to-Face Date: October 16, 2013  
Fall Session (Online): October 18, 2013 – November 29, 2013 (six weeks)
Location:  Face-to-Face Training session – Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242
Online Course Session – with Internet access, participants can take the course from any location.

Cost:  $275

Audience:  Mathematics Teachers, Grades K-12, Mathematics Coaches, District Mathematics Leads, Curriculum and/or Assessment Coordinators

The one-day face-to-face training is designed to provide participants with an understanding of Depth of Knowledge (DOK) in comprehensive and formative assessments, as well as curricular units, lessons, and tasks. The training will also include an introduction of digital tools connected to standards and an overview of the elements of digital citizenship. Additionally, participants will be guided through a step-by-step coaching session in the computer lab on how to access, navigate, and launch their online course with a culminating interactive discussion. In the online course, participants will complete six modules that cover how the four DOK levels grow in cognitive complexity in Mathematics with the use of examples, in-depth readings, and activities to help apply learning to the classroom and begin to integrate the DOK levels and the CCSS standards into practice.

This blended course is designed to provide participants with the following knowledge, skills, and resources:

- A face-to-face learning environment for a robust overview of the content and guided support for the online component of the course;
- Access to mentor teachers through an interactive, moderated course;
- Multimedia enhanced content; and
- Opportunity to earn 4.5 UCLA Graduate units or 3 LAUSD salary points.

Contact: Dotti Ysais at (562) 922-8852 or Ysais_Dotti@lacoe.edu

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**Common Core Implications for the Elementary Science Classroom**

Dates:  January 7, 2014 or March 7, 2014
Time:  8:30 a.m. – 3:00 p.m.
Location:  Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242
Cost:  $75
Audience:  Elementary Classroom Teachers, Science Coaches, District Science Leads, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards (CCSS) for Next Generation Science Standards were designed to provide a consistent, clear understanding of what students are expected to learn in mathematics. The Common Core State Standards for English Language Arts and Literacy in History/Social Studies, Science, and Technical Subjects calls attention to the importance of informational text, expository writing, and text complexity in preparing students for college, career, and citizenship in the 21st Century. This workshop is a blend between the use of technology for learning and face-to-face experiences.

This one-day training is designed to provide participants with the following knowledge, skills, and resources:

- A brief overview of the Common Core State Standards for Math and Next Generation Science Standards;
- An understanding of the depth of knowledge required of students;
- An overview of the Next Generation Science Standards;
- Lessons infused with the Standards focused on modeling; and
- Effective instructional strategies to increase student proficiency with the standards.

Contact: Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu

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**STEM in the Elementary Classroom**

**Dates:** January 8, 2014 or June 19, 2014  
**Time:** 8:30 a.m. – 3:00 p.m.  
**Location:** Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242  
**Cost:** $75  
**Audience:** Elementary K-5 Classroom Teachers, Science Coaches, District Science Leads, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards (CCSS) for Mathematics and Next Generation Science Standards were designed to provide a consistent, clear understanding of what students are expected to learn in mathematics and science. This calls to attention the need for students to begin working toward 21st Century skills to become better prepared for STEM related careers and experiences.

This one-day training is designed to provide participants with the following knowledge, skills, and resources:

- A brief overview of the STEM Initiative;
- An understanding of the depth of knowledge required of students;
- An overview of the Common Core State Standards and Next Generation Science Standards;
- Lessons infused with the Standards focused on modeling; and
- Effective instructional strategies to increase student proficiency with the standards.

*Contact: Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu*

**Common Core Implications for the Secondary Science Classroom**

**Dates:** October 28, 29, 2013 or April 15, 16, 2014  
**Time:** 8:30 a.m. – 3:00 p.m.  
**Location:** Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242  
**Cost:** $175  
**Audience:** Secondary Classroom Teachers, Science Coaches, District Science Leads, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards (CCSS) for Next Generation Science Standards were designed to provide a consistent, clear understanding of what students are expected to learn in mathematics. The Common Core State Standards for English Language Arts and Literacy in History/Social Studies, Science, and Technical Subjects calls attention to the importance of informational text, expository writing, and text complexity in preparing students for college, career, and citizenship in the 21st Century. This two-day training is designed to provide participants with the following knowledge, skills, and resources:

- A brief overview of the Common Core State Standards for Math and English Language Arts;
- An understanding of the depth of knowledge required of students;
- An overview of the Next Generation Science Standards;
- Lessons infused with the Standards focused on modeling; and
- Effective instructional strategies to increase student proficiency with the standards.

*Contact: Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu*
**STEM in the Secondary Classroom**

**Dates:** December 9, 2013 or June 23, 2014  
**Time:** 8:30 a.m. – 3:00 p.m.  
**Location:** Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242  
**Cost:** $75  
**Audience:** Secondary (6-12) Classroom Teachers, Science Coaches, District Science Leads, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards (CCSS) for Mathematics and Next Generation Science Standards were designed to provide a consistent, clear understanding of what students are expected to learn in mathematics and science. This calls to attention the need for students to begin working toward 21st Century skills to become better prepared for STEM related careers and experiences. This workshop is a blend between the use of technology for learning and face-to-face experiences.

This one-day training is designed to provide participants with the following knowledge, skills, and resources:

- A brief overview of the STEM Initiative;
- An understanding of the depth of knowledge required of students;
- An overview of the Common Core State Standards and Next Generation Science Standards;
- Lessons infused with the Standards focused on modeling;
- Effective instructional strategies to increase student proficiency with the standards.

**Contact:** Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu

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**Next Generation Science Standards and the Common Core State Standards**

**Dates:** November 18, 2013 or May 1, 2014  
**Time:** 8:30 a.m. – 3:00 p.m.  
**Location:** Los Angeles County Office of Education, 9300 Imperial Highway, Downey, CA 90242  
**Cost:** $75  
**Audience:** Elementary and Secondary Classroom Teachers, Math and Science Coaches, District Math and Science Leads, Curriculum and/or Assessment Coordinators, Administrators responsible for the implementation of the CCSS

The Common Core State Standards will be implemented in schools and districts throughout the nation beginning in 2014. The Next Generation Science Standards follows similar outcomes and academic rigor for all students in science. This is a blended workshop in which portions of the day is through the use of technology and portions are whole group.

This workshop one-day workshop is designed to provide participants with the following:

- An overview of the Next Generation Science Standards;
- An understanding of how Next Generation Science Standards supports Common Core State Standards;
- Strategies and models of how Science, Math and Language Arts are used collectively for engaging students and their learning; and
- Opportunities for planning and discussions.

**Contact:** Anthony Quan at (562) 922-6896 or Quan_Anthony@lacoe.edu