

Grades 6 & 7 Textbooks Professional Development

Session 1: January 6 and 7, 2015

Session 2: January 8 and 9, 2015

PD Norms

- Be present
 - Silence cell phones
- ■Value each other's input
- Focus on what the data tells us
- Ask the hard questions
- ■Think outside of the box

- What is learned here leaves here
- Listen to understand
- Be open to sharing and collaborating
- Start on time, end on time

Outcomes

Connect the curriculum map and identify the gaps in rigor in the textbook with the CCSS

Engage in backward planning to deepen students' mathematical knowledge

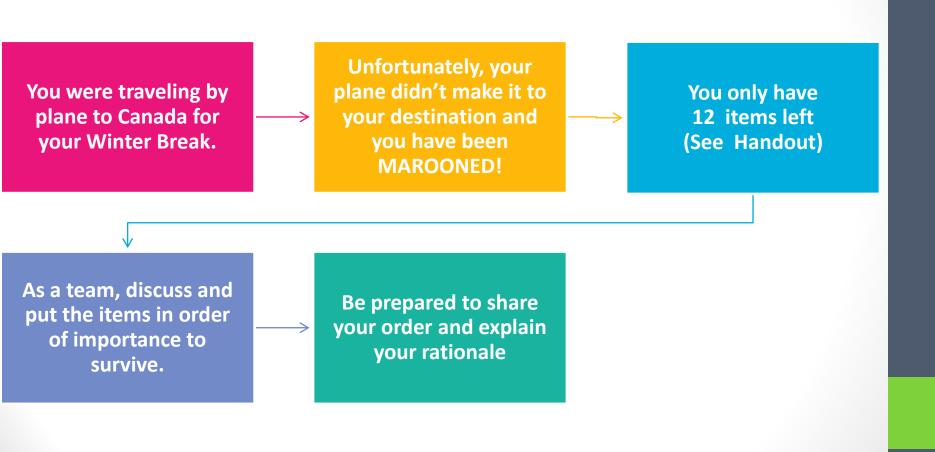
Plan differentiated supports for EL, SWD, GATE, and SEL

Engage in CCSS mathematical tasks

Agenda

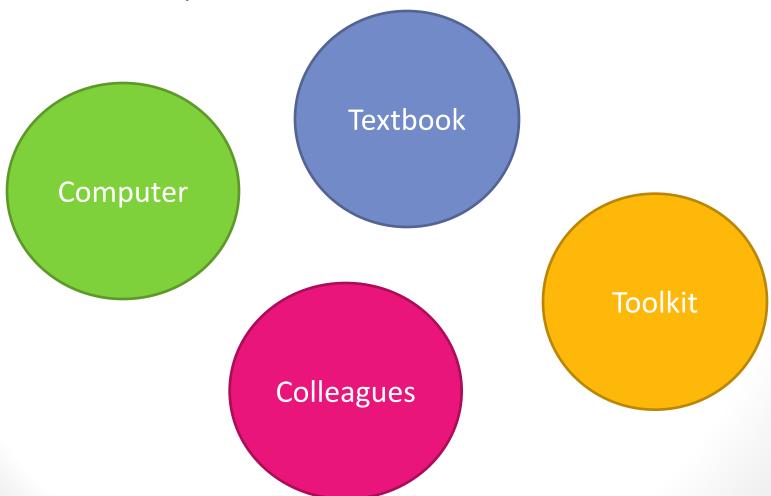
Backward Design Exploring the Curriculum Unit Planning utilizing **Textbook Resources**

Survival Task



Now...

This is what you have to survive a Common Core Classroom!





Section One

BACKWARD DESIGN

"As we move to the second decade of the twenty-first century, one thing is clear: Our country needs highly trained workers who can wrestle with complex problems. Gone are the days when basic skills could be counted on to yield high-paying jobs and an acceptable standard of living. Especially needed are individuals who can think, reason, and engage effectively in quantitative problem solving"

Margaret Smith, 2009

21st Century Skills



Stages of Backward Design

SBAC Claims for Assessment (based on the CCSS)

Blueprint Table Mathematics Grades 6–8 Estimated Total Testing Time: 3:30 (with Classroom Activity)¹

Claim/Score Reporting Category	Content Category ²	Stimuli		Items		Total Items by Claim ³
		CAT	PT	CAT ⁴	PT	•
1. Concepts and Procedures	Priority Cluster	0	0	14–15	0	14–15
	Supporting Cluster	0	0	5	0	5
Problem Solving Modeling and Data Analysis ⁵	Problem Solving	0	1	5 4	4	9
	Modeling and Data Analysis	0			·	
3. Communicating Reasoning	Communicating Reasoning	0		6	2	8

SBAC Claims for the Summative Assessment

Claim 1 - Concepts & Procedures

"Students can explain and apply mathematical concepts and interpret and carry out mathematical procedures with precision and fluency."

(Targets broken down by grade level content clusters)

Claim 2 – Problem Solving

"Students can solve a range of well posed problems in pure and applied mathematics, making productive use of knowledge and problem solving strategies."

(Targets aligned with practice standards MP1, MP5, MP7, and MP8)

Claim 4 – Modeling and Data Analysis

"Students can analyze complex, real world scenarios and can construct and use mathematical models to interpret and solve problems."

(Targets aligned to practice standards MP2, MP4 & MP5)

Claim 3 – Communicating Reasoning

"Students can clearly and precisely construct viable arguments to support their own reasoning and critique the reasoning of others."

(Targets aligned to practice standards MP3 & MP6)

SBAC Sample Questions by Claim

Exploring the Claims

Using the Handout provided, look at some SBAC Sample Question for the grade you teach by Claim.

Note what Math Practice Standards are needed to support student success

Compare and Contrast the different SBAC Claims

HANDOUT #1

Matching Game

Step 1

 Using the problems provided, discuss as a school team and match them to the correct SBAC Claim.

Step 2

 Based on the identified Claim, discuss the appropriate Math Practices associated with that Claim.

Step 3

 Discuss how you would use the Math Practices to teach the standard associated with the problem.



Section Two

EXPLORING THE CURRICULUM

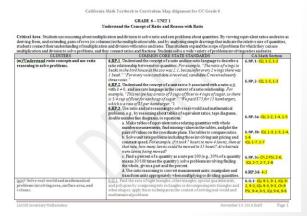
Making Connections

Textbook Publisher vs.
LAUSD

Textbook LAUSD Curriculum Textbook Resources Resources Online Resources Online Resources Assigned CCSS Assigned Textbook Support Personnel Support Personnel **Assessments** Assessments

LAUSD Curriculum Maps

- Where is it located?
- What's new?
- How is it connected to the textbook?
- What order do I follow?
 - Curriculum map
 - Textbook



HANDOUT # 2

Why use multiple resources?

A textbook is a resource <u>not</u> the source. The standards are the source. Therefore, you can use many resources to build your curriculum that addresses the standards.





LAUSD Resources

Supporting the Curriculum

Why use the LAUSD Resources?

- 1) Concept Lessons
- 2) Performance Tasks
- 3) Inquiry & Investigation
- 4) Sample Problems
- 5) Best for Students

- 1) Planning & prep time to utilize the resources
- 2) May have to swap for textbook resources

The Pros outweigh the Cons

LAUSD Curriculum Maps



Using your computer, obtain the curriculum map for your grade

Step 1: achieve.lausd.net/math

Step 2: Click on Middle School

Step 3: Click on Curriculum Maps

Step 4: Click on Curriculum Maps for your grade

Step 5: Click on the Grade Curriculum Map Icon that you

teach

Let's Explore



Scavenger Hunt Activity

Visit achieve.lausd.net/math

Explore the Curriculum Maps and the Resources Provided.

HANDOUT #3



Section Three

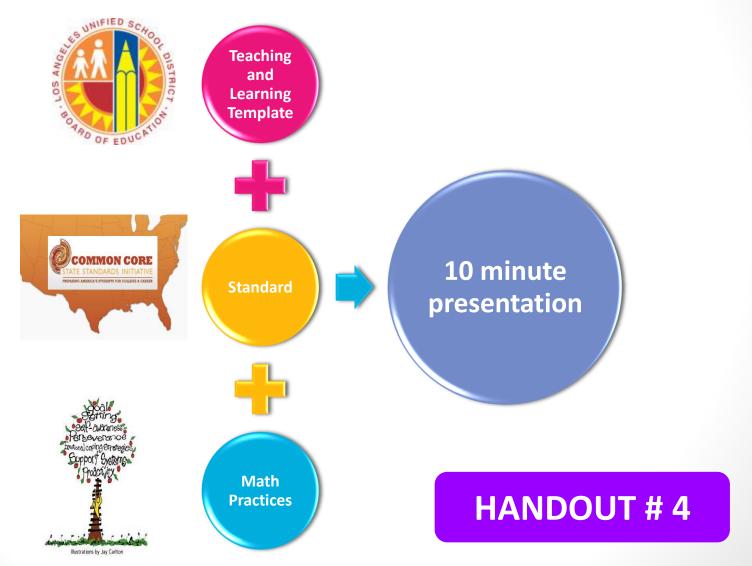
UNIT PLANNING



Time to Perform

Moving from Theory to Practice

Putting it into Practice Microteaching Assignment



Setting the Stage

Choose one of the Cluster(s) provided Activity based (Students need to be engaged) **<u>Differentiated</u>** (Specific to EL and SWD students) Must include at least one online resource from the <u>publisher</u> **Work with your school teams**



The Review

Active Listening & Feedback



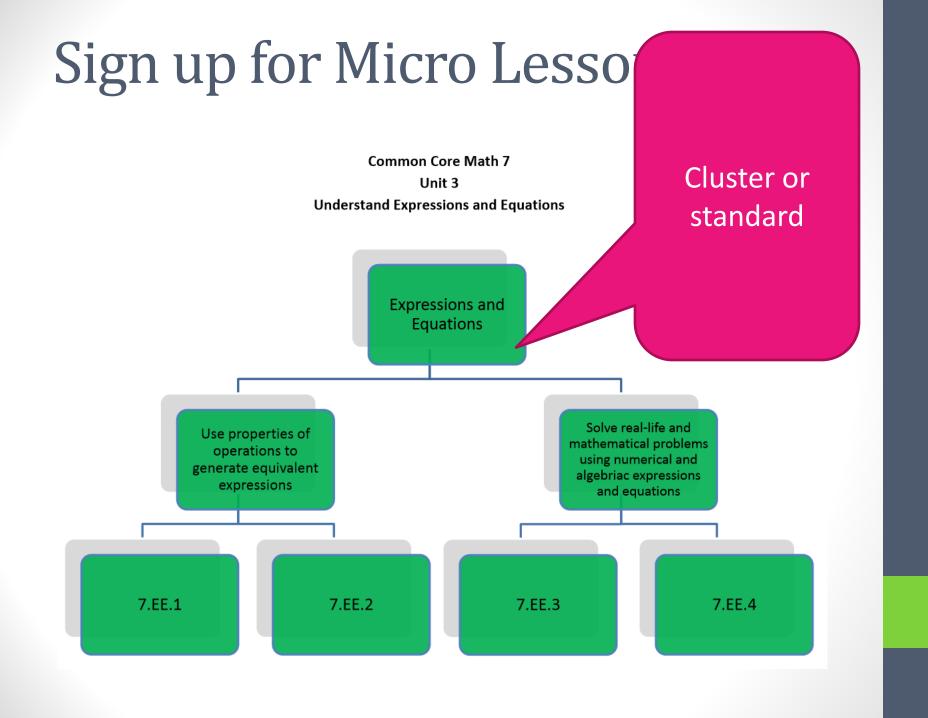
Each Audience Member will be given an Index Card to write down their review



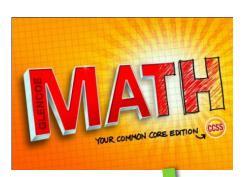
Write down one thing from the Micro Lesson you liked



Write down one thing from the Micro Lesson you wish you would have seen



What do you need to create an Effective Calendar?











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Focus

 Focus strongly where the Standards focus

Rigor

 Require fluency, application, and deep understanding

Coherence

 Think across grades, and link to major topics within grades

Balanced Curriculum

Let's Plan



PD Evaluation