

# The Changing Face of Education: How Common Core Impacts Our Curriculum



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# Common Core State Standards

- Not “state” but national standards
- For K-12 in [English Language Arts](#) and [mathematics](#)
- Adopted by California Legislature in 2010
- California implementation occurring now
- Assessments to begin in 2015

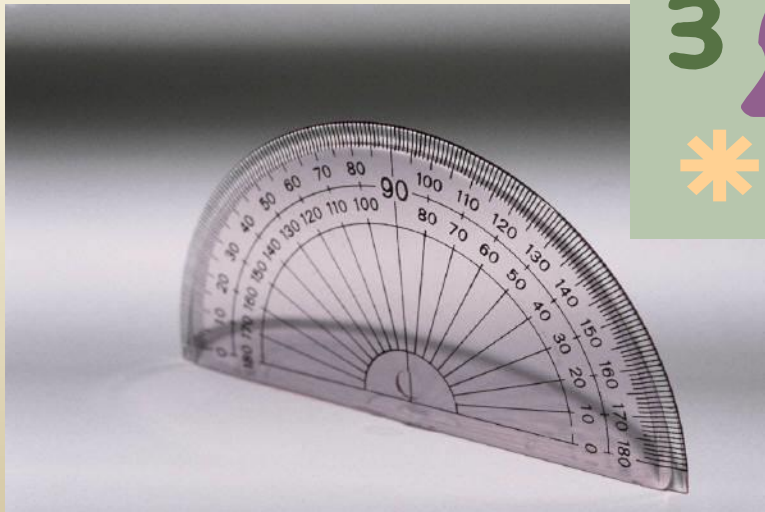
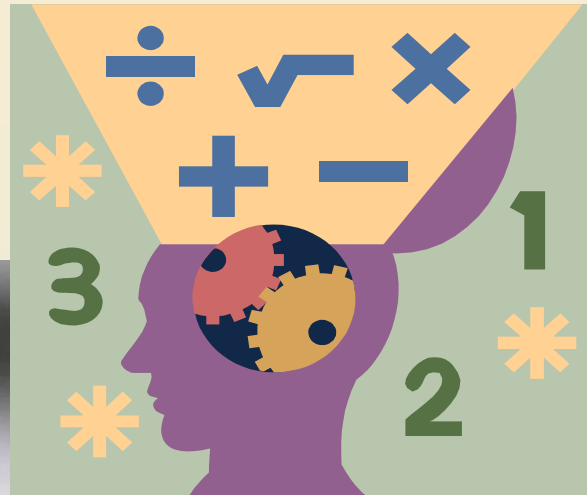
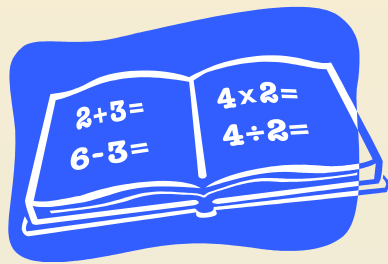
# Smarter Balanced Assessment Consortium

- Two consortia developing assessment systems aligned with CCSS - California is in SBAC
- Higher Ed faculty asked to participate in defining college readiness and determining necessary skill levels for success in college
- <http://www.smarterbalanced.org/higher-education/>

# What's New in CCSS in Mathematics?

- Integration of topics
- Algebra topics included in middle school
- No spiraling of content
- Computer Adaptive Testing used in assessments

# More collaboration, fluency with multimedia and technology, emphasis on problem solving and communication skills



# Definition of College Readiness in Mathematics

Students who perform at the College Content Ready level in mathematics demonstrate foundational mathematical knowledge and quantitative reasoning skills necessary for introductory courses in a variety of disciplines. They also demonstrate subject-area knowledge and skills associated with readiness for entry-level, transferable, credit-bearing mathematics and statistics courses.

# Emphasis on “standards for mathematical practice”

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

# Definition of College Readiness in English Language Arts

Students who perform at the College Content-Ready level in English language arts/literacy demonstrate reading, writing, listening, and research skills necessary for introductory courses in a variety of disciplines. They also demonstrate subject-area knowledge and skills associated with readiness for entry-level, transferable, credit-bearing English and composition courses.



# Emphasis in “English Language Arts Standards”

1. Read closely and analytically to comprehend a range of increasingly complex literary and informational texts
2. Produce effective and well-grounded writing for a range of purposes and audiences
3. Employ effective speaking and listening skills for a range of purposes and audiences.”
4. Argumentative writing with effective support and evidence
5. Engage in research and inquiry to investigate topics, and to analyze, integrate, and present information.”
6. Appropriate academic discourse in terms of audience, tone, structure, and mechanics

# What about science?

- California is in the process of updating the science standards for the first time in 15 years
- [Next Generation Science Standards](#) have been in development since 2011 and have now completed vetting.



# Will California Adopt the NGSS?

- Public meetings about the NGSS have been completed.
- By Nov. 30, 2013, the SBE will either adopt, reject or modify the recommended standards
- CA implementation of new science standards begins 2014

# The NGSS

- Designed to reflect real-world interconnections in science. Focus on integration of knowledge and practice
  - Help educators shift pedagogical approach from separate fragments to integrated approach
- Science concepts build coherently across K-12
  - Sustained opportunities to develop understanding and appreciate connections over YEARS instead of weeks/months



# How are the NGSS different?

- Science, engineering, & technology are integrated in science education across K-12
  - Give core ideas of engineering and technology the same status as other science disciplines
  - Provide ongoing opportunities to deepen understanding by applying science knowledge to solution of practical problems in everyday life

# College Readiness in Science

- The college and career readiness piece of the NGSS is still under development.
- The Intersegmental Committee of Academic Senates (ICAS) has created a task force that will, beginning in Fall 2013, create a new competency statement for the first time since **1986!**

# The Assessment Instrument

## ELA Assessment Instrument

- Includes both essays and other measures
- Essay may take place over more than one day
- Includes research component—but currently all online research
- Separate rubrics for content and mechanics

**What Does This Mean for  
Future Students Attending  
Community Colleges?**



**Will GE Courses and the GE  
Program Be Affected By  
This New Approach to  
Learning?**

**Should we consider  
changing content,  
methodology or  
instructional?**

# Thank You for Coming!

- Do you have any questions?
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