

More Resources on the CCSS in Mathematics

I O W A C O R E I N V E S T I G A T I O N S

Hey—What's the Big Idea? Developing and Teaching Math and ELA Conceptual Units with the Iowa Core

In this summer work, participants will understand that teaching conceptually increases motivation for learning, and learn components of a backward design model. They will leave with a conceptual unit, which includes performance tasks and learning plans aligned to the Iowa Core.

Find more information at:
www.plaea-iowa-core-leaders-ship.weebly.com

T H E T E A C H I N G C H A N N E L

The Teaching Channel is a nonprofit video showcase of inspiring and effective teaching practices in America's schools. This showcase contains hundreds of videos which are easily searchable and sort-able. (See the examples at the bottom of this page.)

Videos labeled "Lesson Idea Common Core" are Common Core aligned. If you click on a Common Core video, under the title and description, you

and a window will open with information about the standard.



The Teaching Channel launched a series of audio and video blog posts entitled "[Let's Chat Core](#)" to help teachers better understand the CCSS and how to implement them in their own class-

help teachers understand what the CCSS are—and what they aren't—and give them detailed information on how to transition their teaching to meet these new standards.

Wessling will be writing for the [Tcher's Voice blog](#) which you can find through a link at the bottom of any TCH page.

Accounts are free but you're asked to sign up for one so TCH can track who its users are.

You can follow The Teaching Channel on Twitter @TeachingChannel or on Facebook at [facebook.com/TeachingChannel](https://www.facebook.com/TeachingChannel).

<https://www.teachingchannel.org/>

can see the standards aligned with that lesson. Simply "mouse over" the standard abbreviation

rooms. The 2010 National Teacher of the Year, Sarah Brown Wessling, will host. It's designed to

6 SHIFTS OF CCSS

- Focus
- Coherence,
- Fluency,
- Deep Understanding
- Application,
- Dual Intensity

VIDEO EXAMPLES

- <http://commoncore.americaachieves.org/>
- <http://engageny.org/video-library>
- http://www.ccsso.org/resources/digital_resources/com-mon_core_implementation_video_series.html



<http://youtube.com>

Try these search terms to locate videos:

CCSS Math

CCSS Mathematical Practices

CCSS Mathematical Understanding

CCSS 6 Shifts

CCSS Rich Tasks

LEARNING FROM THE CCSS AUTHORS

The authors of the CCSS Mathematics were many; three in particular have released many resources for teachers. Those three are Jasonimba, Bill McCallum, and Phil Daro.

Find Jasonimba's resources:

A wiring diagram that shows the connections between the standards:

[CCSS Wiring Diagram](#)

A short essay on the [Pinnacle Standards](#) or the culminating or capstone standards of which many occur in middle

school and

Find Bill McCallum's resources:

Maps of standards within each of the domains they cross the grades:

[Progressions Blog](#)

And [Progressions Documents](#)

Find Phil Daro's resources:

[Video](#) of him talking about the formative principles of the CCSS

[Video](#) on the purpose of problem solving in mathematics classrooms.



Watch a video from a NBA player as he explains some math involved in basketball and gives viewers a math problem to figure out!

<http://www.thirteen.org/get-the-math/the-challenges/math-in-basketball/introduction/181/>

CHOOSING VIDEOS AT TCH

Videos at The Teaching Channel are tagged by:		You will see the number of videos meeting your query next to the choices.		TOPICS	All
<ul style="list-style-type: none"> • subjects, • grade spans, and • topics 				Planning	37
				Class Culture	63
				Behavior	48
				Engagement	81
				Differentiation	33
				Assessment	20
				Collaboration	33
				Common Core	144
				Digital Literacy	36
				New Teachers	54
				Celebrating Teachers	68
SUBJECTS	All	GRADES	All		
English Language Arts	153	Pre K-2	0		
Math	113	3-5	169		
Science	81	6-8	203		
History/Social Sciences	57	9-12	188		
The Arts	39	You can choose multiple items from each menu.			

THE HUNT INSTITUTE

The standards are designed to be robust and relevant to the real world, reflecting the knowledge and skills that our young people need for success in college and careers. With American students fully prepared for the future, our communities will be best positioned to compete successfully in the global economy.

Found at <http://www.hunt-institute.org/>, the Hunt Institute tracks education issues and resources to pinpoint the critical issues facing policymakers and educational leaders, as a way to anticipate new challenges, identify emerging strategies worth replicating, and recognize the voices offering new approaches to affect change. Explore their library to find information about issues facing education in our country. You can find videos and articles about the CCSS specifically at:

<http://www.hunt-institute.org/knowledge-library/articles/#articles-by-common-core-state-standards>



Other topics which might be of interest, found within the Knowledge Library, are

- College Readiness
- Creativity and Innovation
- and STEM education.

**P R A I R I E L A K E S A R E A
E D U C A T I O N A G E N C Y**

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**Our mission is to ensure success for
all learners through collaborative
partnerships.**

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We believe...

- Consistent, system-wide, open communication creates a positive organization.
- Prairie Lakes AEA must be an innovative, research-based, data-driven agency collaborating with all partners to achieve excellence.
- We will serve children, families, schools and communities with integrity based on their unique needs.
- All people thrive in an atmosphere of trust, respect, excellence and recognition.
- Through shared knowledge, skills and collaborative partnerships, we can support the needs of all learners.
- Learning must be differentiated in order to meet the needs of agency, the district and the individual to build upon strengths and skills.
- Flexibility and support are needed in order to balance job responsibilities, teaming, training and application of new skills.

F E A T U R I N G D A N M E Y E R

Even before the CCSS, Dan



Meyer was using Rich Tasks to help students build deep understanding in mathematics through application. Dan was a high school math teacher from 2004-2010 and now is studying at Stanford.

His work in repurposing our textbook questions to

better support problem solving leads us to rethink how we engage students in mathematics.

Visit <http://blog.mrmeyer.com/> to find many problems focusing on the big ideas of mathematics. He invites questions and improvements on his

Likely, you've seen Dan's TED talk before, but watching this multiple times can aid you in applying his position of being less helpful in all the right ways.

http://www.ted.com/talks/dan_meyer_math_curriculum_makeover.html

