

Joan Barrett's suggestions of good websites for CCSSM as of 2-15-2012

Common Core Standards

<http://www.corestandards.org/the-standards/mathematics>

The national site for the Common Core Standards.

Expanded version of the Math Common Core http://www.mathedleadership.org/docs/ccss/CCSSI_Math%20Standards%20Expanded.pdf Contains the overall Standards Introduction, Standards Writing-Criteria, Standards Setting Considerations, Applications of the Standards for English Language Learners (ELL) and Students with Disabilities, and the Mathematics Standards.

PARCC

<http://www.parcconline.org/>

PARCC – Partnership for the Assessment of Readiness for College and Careers is a 24-state consortium, working to together to develop next-generation K-12 assessments in English and Math. Check regularly for updates. This is where you will find the recently released Model Content Frameworks document that will drive the assessments. To find the new Model Content Frameworks click on the “In the Classroom” tab at the top of the page.

Tools for the Common Core Standards

<http://commoncoretools.wordpress.com/>

Dr. William McCallum, head of the University of Arizona's mathematics department and a lead author of the CCSS for Mathematics, has created this blog website to provide news about tools that are being developed to support implementation of the CCSS. The right hand navigation links direct users to the progression documents and other works that provide invaluable information for teachers and schools as they work to integrate the CCSSM.

Inside Mathematics

<http://www.insidemathematics.org/>

Funded by the Noyce Foundation and Silicon Valley Mathematics Initiative, this site is a professional resource for educators for improving students' mathematics learning and performance. The site has aligned its resources to the CCSSM. There are videos of teachers planning lessons, introducing lessons, the main part of the lesson, and wrapping up the lesson. There are also samples of actual student work that was created during the lesson. The videos and student work samples could be used to do internal PD in schools. The two links at this site that are particularly helpful are at the top of the page. One is called “Common Core Standards” (this has links to videos related to each of the “Mathematical Practices”) and the other is called “Tools for Educators” (this link has “Problems of the Month”).

Illustrative Mathematics Project

<http://illustrativemathematics.org/>

On completion this site will have sample tasks for each standard. The tasks will be the kind that could be used in classrooms and that could be the basis for items for the national tests. As of 12-14-2011 teachers can submit tasks and will be paid \$200 if the task is accepted. It will provide context for some tasks with artifacts such as related student work and links to classroom lessons. Eventually, it will provide workspace where individuals or groups can create and react to tasks in either public or private forums. Rather than wait until all standards are illustrated and all capabilities are functional, Illustrative Mathematics is posting additional tasks on a weekly basis. Complete lists of the standards with associated tasks can be found by

clicking “Show only illustrated standards” on the [K-8 content standards with illustrations](#) and [High School content standards with illustrations](#) pages.

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Math Common Core Coalition

<http://www.nctm.org/standards/mathcommoncore/>

The Mathematics Common Core Coalition works to provide expertise and advice on issues related to the effective implementation of the Common Core State Standards for School Mathematics (CCSSM). Members of the coalition are: the National Council of Teachers of Mathematics (NCTM), the National Council of Supervisors of Mathematics (NCSM), the Association of Mathematics Teacher Educators (AMTE), the Association of State Supervisors of Mathematics (ASSM), the Council of Chief State School Officers (CCSSO), the National Governors Association (NGA), the SMARTER Balanced Assessment Consortium, and the Partnership for the Assessment of Readiness for College and Careers (PARCC).

NCSM

www.ncsmonline.org and <http://ncsmonline.org/events/webinars.html>

NCSM is a national mathematics leadership organization providing resources, networking, collaboration, and support for mathematics student achievement. Archived webinars by NCSM past-President Diane Briars and Curriculum Analysis Tools

Achieve

<http://www.achieve.org/achievingcommoncore>

Achieve develops materials that focus on the organization, content and evidence base used to support the standards, including fact sheets and frequently asked questions about the standards. Achieve will also roll out materials to help states implement the standards. Currently there are four main categories –

1. Advocacy (PP on understanding the Common Core, Fact Sheets, etc)
2. Tools (Implementation issues like graduation requirements, assessments, and accountability; how to leverage budgets to support implementation; and how to best communicate about the new standards to key stakeholders, etc)
3. Resources (description of HS pathways, comparisons of CCSS to international countries, high performing states, and NAEP and American Diploma Project; Implementation Exemplars; Public Perception of the Common Core State Standards)
4. Videos (Lang Arts demo lesson, videos from PARCC’s Implementation & Transition Institutes)

Videos (online)

- **Phil Daro - teach less learn more** <http://commoncore.pearsoned.com/index.cfm?locator=PS11Ye>

2.5 min

- **Phil Daro – why we have inch deep mile wide standards** - we teach tricks instead of mathematics <http://www.youtube.com/watch?v=B6UQcwzyE1U>

HS Math Teacher Dan Meyer- Changing HS Math teaching <http://www.youtube.com/watch?v=BlvKWEvKSi8> (runs about 12 minutes) - Watch this one first – includes a commentary of what is wrong with our current textbooks <http://vimeo.com/1228744?pg=embed&sec=1228744> (runs about 3 minutes) shows how he changed his teaching

- **The Council of Chief State School Officers – Hunt Institute videos on the Common Core Implementation videos for both Lang Arts and Math** - http://www.ccsso.org/Resources/Digital_Resources/Common_Core_Implementation_Video_Series.html - These are great short videos on topics related to the Common Core for both Lang Arts and Math

Lessons and Performance Task Resources

- **K-12 Illustrative Mathematics** – Guidance for CCSS in Math - <http://illustrativemathematics.org/> The Illustrative Mathematics Project will provide guidance to states, assessment consortia, testing companies, and curriculum developers by illustrating the range and types of mathematical work that students will experience in a faithful implementation of the Common Core State Standards, and by publishing other tools that support implementation of the standards. As of 12-14-2011 teachers can submit tasks and will be paid \$200 if the task is accepted. Keep checking back as this site will continue to build.
- **MARS** (Mathematics Assessment Resource Service) <http://www.nottingham.ac.uk/~ttzedweb/MARS/>
The Mathematics Assessment Resource Service works with districts and states on performance assessment design and implementation, and on professional development for designers and teachers. The aim is to help the local leadership develop local capability to meet local needs. There is a widespread demand.
- **High School Lessons** - Mathematics Assessment Project – Shell Center/MARS - <http://map.mathshell.org.uk/materials/index.php> - The project is working to design and develop well-engineered assessment tools to support US schools in implementing the [Common Core State Standards](#) for Mathematics (CCSS).
- **NCTM's Illuminations website** - <http://illuminations.nctm.org> - lots of interactive activities and lesson plans. It is a good place to search for activities related to the Common Core concepts in each grade level
- **National Library of Virtual Manipulatives** - <http://nlvm.usu.edu/en/nav/vlibrary.html> duplicates all of the manipulatives you have in your classroom but in a digital format. They are categorized by grade level bands and major math topics of number, geometry, algebra, measurement and stats and probability. A great way to incorporate technology into your math classroom.
- **K-12** - Ohio Depart of Ed Standards – Math Standards and Model Curriculum <http://www.ode.state.oh.us/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=1704&ContentID=83475&Content=114571> - During the summer and fall of 2010, teachers across Ohio worked collaboratively in teams to suggest instructional strategies and resources that align with the revised standards. The

State Board of Education adopted the Model Curriculum on March 15, 2011.

- **National Science Digital Library** - <http://nsdl.org/browse/commcore/math> The large collection of digital resources at this site have been reorganized to align to the CCSS. On the left hand column of the page each of the grade levels and domains for that grade level are listed and linked to related resources.

Free online Assessment for 5th and 6th graders

<https://mathreasoninginventory.com/>

Marilyn Burns worked with a group of teachers over the last two years and developed an assessment designed to be given to 5th and 6th grade students to determine if they are ready for MS Math. The About the Assessment section of the website has more than 80 video clips of students being interviewed, tips about how to use the tool, information about the reasoning strategies we've identified, help with reports, and more. Because Bill Gates funded the project this site is completely free to all teachers online.

Other State's and ROE's work:

- Madison County ROE - <http://www.roe41.org/ccss/default.html>
Common Core Transition Planning Sheets
- Utah - (One of the first states to vote Integrated Pathway for HS) – their curriculum units of study for Math I and Math II and Math III are listed here. <http://schools.utah.gov/CURR/mathsec/Common-Core/Secondary-I.aspx>
- **National PTA** - <http://www.pta.org/4446.htm>
The Parents' Guide to Student Success (listed below in English and Spanish) was developed in response to the Common Core State Standards in English language arts and mathematics that more than 40 states have adopted. (To find out if your state has adopted the standards, visit CoreStandards.org/In-The-States.) Created by teachers, parents, education experts, and others from across the country, the standards provide clear, consistent expectations for what students should be learning at each grade in order to be prepared for college and career.