

CCSSM KEY SITES

Joan Barrett

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Common Core Standards

<http://www.corestandards.org>

Direct link to the PDF copy of the Core Standards for Math http://www.corestandards.org/assets/CCSSI_Math%20Standards.pdf

The national site for the Common Core Standards. This should be the only site where you get a copy of the Common Core. It has the complete and official document including the latest coding information for the each standard and cluster. Other sites or commercial copies of the CC are often missing the Mathematical Practices, or important footnotes and format of the official document.

PARCC

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

PARCC – Partnership for the Assessment of Readiness for College and Careers is a 23-state consortium, working together to develop next-generation K-12 assessments in English and Math. This is where you will find the recently released **Model Content Frameworks** document that will drive the assessments and **item and task prototypes** which are samples of test items. To find the new Model Content Frameworks and item prototypes click on the “In the Classroom” tab at the top of the page. Additional prototypes of PARCC assessment items can be found at the Dana Center http://www.ccsstoolbox.com/parcc/PARCCPrototype_main.html

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.

RESOURCES FOR COMMON CORE TASKS, LESSONS AND ASSESSMENTS

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.

Inside Mathematics - <http://www.insidemathematics.org/>

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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” and “Tasks and Assessments Aligned with Common Core State Standards for Mathematics”). The site, funded by the Noyce Foundation and Silicon Valley Mathematics Initiative, 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.

New York City Dept. of Education

<http://schools.nyc.gov/Academics/CommonCoreLibrary/TasksUnitsStudentWork/default.htm>

This site has not only tasks but full units that take several weeks to complete. The units have the activities, assessments, rubrics, and samples of student work and how they were scored. This is one of the few sites that have completed units as opposed to individual lessons.

Utah - <http://schools.utah.gov/CURR/mathsec/Common-Core/Secondary-I.aspx> (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. If you scroll down this page at the bottom you will find a link to their textbook .

Mathematics Assessment Project <http://map.mathshell.org/materials/index.php> The project is working to design and develop well-engineered formative and summative assessment tools to support US schools in implementing the Common Core State Standards for Mathematics (CCSSM). Currently the **assessments are for MS and HS**

Kentucky Center for Mathematics <http://www.kentuckymathematics.org/> When you get to this site click on the “Math Tools” link at the top right of the page (just below the Facebook link) to see a list of links with multiple free resources for teachers such as virtual manipulatives, hundreds charts, arrow cards, adjustable fractions rulers, dots cards, coins, etc.

ISBE Sample Math Tasks for Common Core http://www.isbe.net/common_core/pls/level2/html/math-sample-tasks.htm

This is a subset of the “Common Core Professional Learning Series”

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.

NCTM’s Illuminations website - <http://illuminations.nctm.org> - lots of wonderful interactive activities and lesson plans. It is a good place to search for activities but teachers will have to do the alignment to the CC because the site has not yet done this

Share My Lessons – sponsored by AFT - <http://www.sharemylesson.com/home.aspx> This site sponsored by the American Federation of Teachers has a section now that is dedicated to lessons for the Common Core. In Math there are currently lessons for K-8. In LA there are lessons through HS.

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Math Landing - <http://www.mathlanding.org/> This site has collections of materials (lessons, units, videos, games etc) for both classroom teachers and professional developers. All of the resources have been reviewed before they are posted. Two collections are devoted to “Strategies for Teaching Students Struggling With Mathematics” and “Achieving Fact Fluency” both of which are of interest to many teachers. Teachers can search by subject or grade level or browse by Common Core Standard. Mathlanding is a project of Maryland Public Television in partnership with The Math Forum at Drexel University and the International Society for Technology in Education

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.

Dan Meyer's three act website <https://docs.google.com/spreadsheet/ccc?key=0AjIqyKM9d7ZYdEhtR3BJMmdBWNm2YWxWYVM1UWowTEE#gid=0> _Dan Meyer is a nationally known HS math teacher. See some of his videos listed below. There is a spreadsheet of lessons created by Dan where students have to solve problems in real life settings. The lessons are introduced with a short video clip and are aligned to individual Common Core standards. Click on the title of the lesson to open it up. I had a few technical problems getting some parts of the lesson components to work so allow time to download the lessons.

Free online Diagnostic Assessment for 5th and 6th graders <https://mathreasoninginventory.com/> Marilyn Burns worked with a group of teachers over the last two years to develop 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 that were identified, help with reports, and more. Because Bill Gates funded the project this site is completely free to all teachers online.

Mathematics Toolbox http://www.ccsstoolbox.com/parcc/PARCCPrototype_main.html - The Dana Center is housing a lot of the PARCC item prototypes. Here is the link to some of the prototypes, but there are other resources including MS and HS visualizations (animations) of math concepts and links to formative assessments

Rekenreks

Downloadable book with Rekenrek activities - http://www.mathlearningcenter.org/media/Rekenrek_0308.pdf

Number Rack App for iPhones and iPads <https://itunes.apple.com/us/app/number-rack-by-math-learning/id496057949?mt=8>

Virtual Rekenrek <http://www.ronblond.com/MathGlossary/Division01/Rekenrek/REKENREK/index.html>

Rekenrek Activities - <http://www.k-5mathteachingresources.com/Rekenrek.html> Not only are there Rekenrek activities at this site there are also lots of other wonderful math activities. Check out the links on the left hand column

FREE VIDEOS (online)

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Phil Daro – How do you create better standards? <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

The Teaching Channel <http://www.teachingchannel.org/> video tapes of lessons in all subject areas and grade levels. Use the filter on the left side of the page to select “Math” and “Common Core”. There is also a “WORKSPACE” where you can save lessons.

Warm-up for MS Math - <https://www.teachingchannel.org/videos/class-warm-up-routine#>

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LINKS TO IMPORTANT DOCUMENTS

Publishers Criteria – (24 pages) Written by the Authors of the Math Common Core Standards for Math to guide the selection of Math Curriculum materials http://www.corestandards.org/assets/Math_Publishers_Criteria_K-8_Summer%202012_FINAL.pdf

Tri-State Rubric – originally written by 3 states (Massachusetts, NY, and RI) as a way of judging math lessons and units that would be good to use to implement the Common Core IL has adopted this rubric for judging CC materials <http://www.achieve.org/files/TriState-Mathematics-Quality-RubricFINAL-May2012.pdf>

The Model Content Frameworks – this document will drive the new 2014-15 assessment for grades 3-11th grades for CC for those states in the PARCC consortium. For a PDF version use the following link http://www.parcconline.org/sites/parcc/files/PARCCMCFMathematics_August%202012rev2_FINAL.pdf

For a PARCC Framework Browser that breaks the document into smaller components use the following link <http://www.parcconline.org/parcc-model-content-frameworks>

Progressions documents

<http://commoncoretools.me/category/progressions/>

They are written by the Math CC authors to give additional background information related to the concepts for each grade level and show how the concepts grow from grade to grade.

[Draft K–6 Progression on Geometry](#)

[Draft K–5 Progression on Measurement and Data \(measurement part\)](#)

[Draft K–5 progression on Measurement and Data \(data part\)](#)

[Draft K–5 Progression on Number and Operations in Base Ten](#)

[Draft K–5 Progression on Counting and Cardinality and Operations and Algebraic Thinking](#)

[Draft 3–5 progression on Number and Operations—Fractions](#)

[Draft 6–8 Progression on Statistics and Probability](#)

[Draft 6–8 Progression on Expressions and Equations](#)

[Draft 6–7 Progression on Ratios and Proportional Relationships](#)

[Draft High School Progression on Statistics and Probability](#)

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PROFESSIONAL ORGANIZATION COMMON CORE SITES

Math Common Core Coalition (this site is in its infancy)

<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

NCSM is a national mathematics leadership organization providing resources, networking, collaboration, and support for mathematics student achievement. A section of this site has 13 great PD modules for Illustrating the Mathematical Practices <http://www.mathedleadership.org/ccss/itp/index.html> Also there are some Archived webinars by NCSM past-President Diane Briars.

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

Madison County ROE - <http://www.roe41.org/ccss/default.html>

Common Core Transition Planning Sheets. These are 4-column charts for each grade K-8 with the standards listed in the first column and then it has 3 other columns (How will I assess, textbook pages, additional resources) that teachers can type into in order to inventory and align the math curricular materials they already have on hand.

Achieve: - <http://www.achieve.org/achieving-common-core>

Achieve has developed materials to help all states, districts, and others understand the organization and content of the standards and the content and evidence base used to support the standards. This site is good for people that need to make presentations or lead groups in discussions related to Common Core. It has fact sheets, relevant research, Power Point presentations on the Common Core and both Assessment Consortia (PARCC and Smarter Balance) as well as both consortia who are putting together alternative assessments for the 1% of the U.S. student population that are special needs.