Annotated Links to Essential Resources for

Implementing the CCSS for Mathematics

[Achieve the Core/Student Achievement Partners](http://www.achievethecore.org)

Open source articles, tools, PowerPoints and up to date information to support implementation of the CCSS for Mathematics (and ELA/Literacy)

[ASCD Webinar Series](http://www.ascd.org/professional-development/webinars.aspx)

ASCD has formed partnerships with Student Achievement Partners and with the Council of Chief State School Officers to provide support for implementation of the Common Core State Standards.

[Bill McCollum’s Common Core Tools Blog](http://commoncoretools.me/)

Up to the minute examples, reflections, and links to current resources to support implementation of the Math CCSS written by one of the lead authors of the CCSS for Mathematics.

[Common Core State Standards for Mathematics](http://www.corestandards.org/assets/CCSSI_Math%20Standards.pdf)

Published by the National Governor’s Association and the Council of Chief State School Officers in 2010.

[Dan Meyer’s Blog](http://blog.mrmeyer.com/?page_id=2716) and his [TED Talk: Math Class Needs a Makeover](http://www.ted.com/talks/dan_meyer_math_curriculum_makeover.html)

Math teacher who demonstrates what deep understanding is all about.

[Hess’ Cognitive Rigor Matrix & Curricular Examples: Applying Webb’s Depth-of-Knowledge Levels to Bloom’s Cognitive Process Dimensions M-Sci](http://www.nciea.org/publications/CRM_math-sci_KH11.pdf) and [Additional Information About Rigor from NYC Public Schools](http://schools.nyc.gov/Academics/CommonCoreLibrary/Toolkit/Assessment/Rigor/default.htm)

This tool developed by Karin Hess is now part of the work of the Smarter Balanced Assessment Consortium and provides concrete examples of how to move from lower order to higher order learning/development of tasks, learning experiences, and assessments. (A parallel matrix is available for ELA/Literacy)

[Hunt Institute Videos on the Common Core](http://www.ccsso.org/Resources/Digital_Resources/Common_Core_Implementation_Video_Series.html)

Short videos featuring lead authors of the CCSS for Mathematics (and ELA/Literacy) explaining essential elements and implications for implementation.

[The Illustrative Mathematics Project](http://illustrativemathematics.org/)

Sample mathematics tasks and exercises across the grades.

[Inside Mathematics](http://www.insidemathematics.org/)

Classroom examples, tools for mathematics instruction, and videos. Currently being aligned with the CCSS.

[Khan Academy](http://www.khanacademy.org) and [Ted Talk by Founder of Khan Academy](http://www.ted.com/talks/lang/en/salman_khan_let_s_use_video_to_reinvent_education.html)

Over 3200 videos for learning and practicing mathematics and science.

[LearnZillion](http://www.learnzillion.com/)

An amazingly rich resource of video lessons for grades 3-9, associated assessments, and progress reports with each lesson tied to a Common Core State Standard for mathematics.

[The Mathematics Assessment Project](http://map.mathshell.org/materials/index.php)

Formative assessment lessons, summative assessment tasks, and associated professional development modules.

[National PTA Parent Guides to the Common Core (include math and ELA/Literacy) in English and Spanish](http://www.pta.org/4446.htm)

A separate brochure for each grade level K-8 and for high school clearly and concisely articulates the key elements of the Common Core State Standards.

[The National Science Digital Library](http://nsdl.org/commcore/math?id=K.OA)

Math resources for grades K- high school.

[NYC Sample Math Tasks By Grade Level, K-8](http://schools.nyc.gov/Academics/CommonCoreLibrary/SeeStudentWork/default.htm)

High quality math tasks aligned with the CCSS. Many now including exemplars of student work.

[Oregon Department of Education CCSS Toolkit -- Math](http://www.ode.state.or.us/search/page/?id=3426)

Process and resource guide to support implementation of the CCSS

[PARCC Model Content Frameworks, Mathematics, Grades 3-11, October 2011](http://www.parcconline.org/sites/parcc/files/PARCC%20MCF%20for%20Mathematics_Fall%202011%20Release.pdf)

Detailed information on conceptual relationships, emphases, and connections within the CCSS for mathematics and early information on how the PARCC assessment will be developed.

[Phil Daro’s SERP Institute Videos](http://ime.math.arizona.edu/progressions/)

Insights on improving math instruction from another of the lead authors of the CCSS for Mathematics.

[Progression Documents for the Common Core Standards for Mathematics](http://ime.math.arizona.edu/progressions/)

These show the progression of essential concepts across the grade levels and were the foundation of the development of the CCSS for Mathematics.

[Publisher’s Criteria for CCSS for Mathematics](http://www.achievethecore.org/downloads/Math_Publishers_Criteria_K-8_Summer_2012.pdf)

 This document, developed by the CCSSM writing team, aims to support faithful CCSSM implementation by providing criteria for materials aligned to the Common Core State Standards for Mathematics.

[Tri-State Quality Review Rubric and Rating Process](http://engageny.org/resource/tri-state-quality-review-rubric-and-rating-process/)

The Tri-State Collaborative (composed of educational leaders from Massachusetts, New York, and Rhode Island and facilitated by Achieve) has developed criterion-based rubrics and review processes to evaluate the quality of lessons and units intended to address the Common Core State Standards for Mathematics and ELA/Literacy.

[PARCC Model Content Frameworks, Mathematics, Grades 3-11, October 2011](http://www.parcconline.org/sites/parcc/files/PARCC%20MCF%20for%20Mathematics_Fall%202011%20Release.pdf)

Detailed information on conceptual relationships, emphases, and connections within the CCSS for mathematics and early information on how the PARCC assessment will be developed.

[Phil Daro’s SERP Institute Videos](http://ime.math.arizona.edu/progressions/)

Insights on improving math instruction from another of the lead authors of the CCSS for Mathematics.

[Progression Documents for the Common Core Standards for Mathematics](http://ime.math.arizona.edu/progressions/)

These show the progression of essential concepts across the grade levels and were the foundation of the development of the CCSS for Mathematics.

Parent / Student info about the shifts…

<http://engageny.org/wp-content/uploads/2012/05/Shifts-for-Students-and-Parents.pdf>

[Progressions for the Common Core State Standards in Math](http://ime.math.arizona.edu/progressions/)

These documents  explain why standards are sequenced the way they are, point out cognitive difficulties and pedagogical solutions, and give more detail on particularly knotty areas of the mathematics.

[Common Core Math Flip Books](http://www.ksde.org/Default.aspx?tabid=5400)

These resources were developed by the Kansas Association of Teachers of Mathematics (KATM) and make links between the mathematical practices and the content of the Kansas Common Core Standards. They include instructional strategies and examples for each standard at each grade level.

[K-3 Resources Linked to Standards](https://gradekcommoncoremath.wikispaces.hcpss.org/Kindergarten%2BHome)

From Howard Public Schools, each of the standards are linked to resources and activities.