



Recommended Mathematics Resources for Common Core State Standards

1. Illinois State Board of Education Professional Learning Series

http://www.isbe.net/common_core/pls/default.htm

Professional Learning Series is a tool designed to help educators facilitate and maintain the implementation of the Common Core State Standards. There are three levels within the framework, each containing tools and resources aligned to the appropriate phase of implementation described by each category.

2. Common Core State Standards

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

The Common Core State Standards Initiative site has (1) K-12 Mathematics Standards, (2) Mathematics Appendix A: Designing High School Math Courses based on Common Core Standards, (3) Application of the Standards for English Language Learners, and (4) Application to Students with Disabilities.

3. Tools for Common Core State Standards

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

Dr. William McCallum, Chair of University of Arizona's Mathematics Department and a lead author for CCSSM, created this blog website to provide tools to support implementation of CCSS. Links include: Progression documents, Reflective Readings, and Teacher Task-Writing Contests.

4. Tri-State Quality Review Rubric

<http://engageny.org/resource/tri-state-quality-review-rubric-and-rating-process/>

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

5. National Council of Supervisors of Mathematics (NCSM)

www.mathedleadership.org/

NCSM is a mathematics leadership organization for aspiring, new and experienced educational leaders that provides professional learning necessary to support and sustain improved student achievement, through Networking, Communication, Support and Motivation opportunities. The site includes: *CCSS Curriculum Analysis Tools* and Professional Development Materials (including *CCSS Videos*), and a Report Summary Service.

6. National Council of Teachers of Mathematics (NCTM) Illuminations

<http://illuminations.nctm.org/activitysearch.aspx>

The site has lots of interactive activities and lesson plans by grade and content areas. Although it hasn't been aligned to CCSS yet, it is a good place to search for activities related to the Common Core concepts in each grade level.

7. Mathematics Assessment Project (MAP)

<http://map.mathshell.org.uk/materials/tasks.php>

This project has tools to help teachers guide students to improve and monitor progress. Tools include: (1) Lesson Units for Formative Assessment, 20 per grade for Grades 7-12, (2) Professional Development Modules pertaining to assessment pedagogy, (3) Summative Assessment Tasks, (4) Prototype Summative Tests to help teachers/students monitor progress.

8. Common Core Standards App

<http://itunes.apple.com/us/app/common-corestandards/id439424555?mt=8>

Download the Mathematics and ELA Common Core State Standards to your smart phone with this free app.



Recommended Mathematics Resources for Common Core State Standards, p.2

9. Partnership for the Assessment of Readiness for College and Careers (PARCC)

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

PARCC, a consortium of 24 states, is working together to develop a common set of K-12 assessments in Mathematics and English Language Arts, anchored in what it takes to be ready for college and careers. The assessments will build a pathway to college and career readiness by the end of high school, mark student progress toward this goal from 3rd grade up, and provide timely information to teachers to inform instruction and provide student support. PARCC encourages and solicits feedback from a broad group of educators across PARCC states to provide feedback on resources, such as (1) *model content frameworks*, <http://www.parcconline.org/parcc-model-content-frameworks> (2) *sample instructional units*, and (3) *sample assessment item task prototypes*, <http://www.parcconline.org/samples/item-task-prototypes> to ensure they reflect educator needs and to give educators the opportunity to see and provide input into the PARCC design and development process.

10. K–8 Publishers' Criteria for the Common Core State Standards for Mathematics

http://www.corestandards.org/assets/Math_Publishers_Criteria_K-8_Summer%202012_FINAL.pdf

11. Illustrative Mathematics

<http://illustrativemathematics.org/>

Illustrative Mathematics Project (in development) 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 with implementation of K-12 Common Core State Standards, and by publishing tools to support CCSS.

12. The Teaching Channel

https://www.teachingchannel.org/videos?categories=topics_common-core

The Teaching Channel currently offers videos of K-12 mathematics teaching aligned with the Common Core State Standards, which would be perfect for professional development with teacher teams.

13. Dan Meyer: Why I Changed My Math Teaching (3:22)

<http://vimeo.com/1228744>

14. Dan Meyer: HS Mathematics Curriculum Makeover (12:09)

<http://www.youtube.com/watch?v=BlvKWEvKSj8>

15. Dan Meyer Blog: My Curricula: Three-Act

<http://blog.mrmeyer.com/>

An amazing, must-see for teachers and administrators. Look under My Curricula, Three-Act for an electronic spreadsheet of sample math tasks, extension ideas, engaging vignettes, aligned to Common Core State Standards for Mathematics. Dan also shares his Algebra and Geometry curriculum.

16. Inside Mathematics

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

Inside Mathematics has assembled multiple ways for K-12 educators to transform their teaching practices. If you are looking for materials and tasks to use immediately with your students, you can search by grade and content area to find mathematical principles and materials developed by the Mathematics Assessment Resource Service (MARS). If you want to develop deeper understanding of the eight Standards for Mathematical Practice, you can view *connections between the standards and classroom videos*. If you want to observe exemplar lessons with different content and grade levels, visit the *public lessons* page. If you are working to enact change, visit the *tools for coaches* and *tools for administrators* sections.



Recommended Mathematics Resources for Common Core State Standards, p.3

17. Phil Daro: Why Our Curriculum is a Mile Wide and an Inch Deep (5:13)

<http://www.youtube.com/watch?v=B6UQcwzyE1U>

18. Phil Daro: How Do You Create Better Standards in Mathematics? (2:55)

<http://commoncore.pearsoned.com/index.cfm?locator=PS11Ye>

19. Math Reasoning Strategies and Reasoning Inventory, Grades 5-6

<https://mathreasoninginventory.com/>

Math Reasoning Inventory is an online formative assessment tool designed to make classroom instruction more effective. The *About the Assessment* tab includes 80+ video clips of student interviews, tips about how to use the tool, information about reasoning strategies, help with reports, and more.

20. Achieve

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

Achieve develops materials to focus on organization, content and evidence base used to support the CCSS, including fact sheets and frequently asked questions about CCSS. Achieve will help states implement the standards in four main categories: (1) Advocacy (CCSS Fact Sheets), (2) Tools (Grad Requirements, Assessment, Communication w/ Stakeholders), (3) Resources (Comparison w/Other Countries, American Diploma Project, NAEP, Exemplars), and (4) Videos (Transition and Implementation).

21. Achieve the Core

<http://achievethecore.org/>

Achieve the Core will focus on helping teachers understand shifts in instruction necessary for the CCSS and will build a storehouse of free resources to use.

22. Math Common Core Coalition

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

Mathematics Common Core Coalition provides advice and expertise on issues related to the implementation of CCSS.

Recommended Mathematics Resources from Other States

23. Resources in Common Core Library (New York)

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

CCSS aligned math curriculum modules for ELL/ESL Students and Students w/ Disabilities

24. Common Core Resources and Exemplars from EngageNY (New York)

<http://engageny.org/teachers/>

25. Common Core Mathematics (Ohio)

<http://www.ode.state.oh.us/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=1704&ContentID=83475>

26. CCSS Professional Development Mathematics & ELA Needs Assessment (Oregon)

<http://www.ode.state.or.us/search/page/?id=3513>

27. Unpacked CCSS: Mathematics K-12 (North Carolina)

<http://www.dpi.state.nc.us/acre/standards/common-core-tools/#unmath>

28. Math Resources for the Common Core Standards (Kansas)

<http://www.ksde.org/Default.aspx?tabid=4792>