

Common Core Resources\*  
Mathematics

Source	url	Contents
CCSSO	<a href="http://parcc.ltfraining.org/Portals/6/Documents/Math_Publishers_Criteria_K-8_Summer202012_FINAL.pdf">http://parcc.ltfraining.org/Portals/6/Documents/Math_Publishers_Criteria_K-8_Summer202012_FINAL.pdf</a>	K-8 <b>criteria for selecting high quality, aligned instructional materials</b> in mathematics
CK-12	<a href="http://www.ck12.org">http://www.ck12.org</a>	CK-12 Foundation is a non-profit organization with a mission to reduce the cost of textbook materials for the K-12 market both in the U.S. and worldwide. It offers <b>free digital textbooks</b> .
Developing Effective Fractions Instruction for Kindergarten Through 8th Grade	<a href="http://ies.ed.gov/ncee/wwc/PracticeGuide.aspx?sid=15">http://ies.ed.gov/ncee/wwc/PracticeGuide.aspx?sid=15</a>	This practice guide presents five recommendations intended to help educators improve students' understanding of fractions. Recommendations include <b>strategies to develop young children's understanding of early fraction concepts</b> and ideas for helping older children understand the meaning of fractions and the computations involved. The guide also highlights ways to build on students' <b>existing strategies to solve problems involving ratios, rates, and proportions</b> .
EDC Think Math Information Exchange	<a href="http://thinkmath.edc.org/index.php/CCSS_Mathematical_Practices">http://thinkmath.edc.org/index.php/CCSS_Mathematical_Practices</a>	This is an open-source, active, growing, free resource, serving K-8 education communities. This link takes you directly to the discussion of the <b>Standards for Mathematical Practices in elementary school with easy to grasp explanations and examples</b> . The full site also provides useful information and materials for the K-8 math teaching community.
HippoCampus	<a href="http://www.hippocampus.org/?user=hippocampus">http://www.hippocampus.org/?user=hippocampus</a>	HippoCampus was designed as part of Open Education Resources (OER), a worldwide effort to <b>improve access to quality education for everyone</b> .

\* These resources have been reviewed for relevance and quality. They reflect some of the many outstanding resources available for use by PA educators.

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Illustrative Mathematics	<a href="http://illustrativemathematics.org">http://illustrativemathematics.org</a>	Illustrative Mathematics provides guidance and develops <b>resources to support the implementation of the standards</b> . The Illustrative Mathematics project has developed hundreds of <b>tasks that illustrate the meaning of each standard</b> and provide instructional best practices for teachers.
Inside Mathematics	<a href="http://www.insidemathematics.org">http://www.insidemathematics.org</a>	This professional resource for educators features <b>classroom examples of innovative teaching methods, insights into student learning, and tools for mathematics instruction</b> which are being aligned to the Common Core.
LearnZillion	<a href="http://www.learnzillion.com/topics#topic-10">http://www.learnzillion.com/topics#topic-10</a>	LearnZillion makes life easier by putting <b>quality instruction and assessment items at your fingertips</b> .
Mathematics Assessment Project	<a href="http://map.mathshell.org/materials/index.php">http://map.mathshell.org/materials/index.php</a>	<b>Lessons/Tasks/Tests are aligned to CCSS</b> and Mathematical Practices and are grouped by level of difficulty.
NC Common Core Instructional Support Tools – Unpacking the Standards - Math	<a href="http://www.ncpublicschools.org/acre/standards/common-core-tools/">http://www.ncpublicschools.org/acre/standards/common-core-tools/</a>	For each grade level and CCSS high school area, this document provides <b>explanations and examples for each Standard of Mathematics Practice</b> and what each looks like by grade level.
NY State Education Department	<a href="http://www.p12.nysed.gov/apda/common-core-sample-questions/">http://www.p12.nysed.gov/apda/common-core-sample-questions/</a>	This site includes <b>sample 3–8 math and ELA questions</b> to help students, parents, and educators better understand the instructional shifts demanded by the Common Core and the rigor required to ensure that all students are on track to college and career readiness.

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Ohio Department of Education	<a href="http://www.education.ohio.gov/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&amp;TopicRelationID=1704&amp;ContentID=83475&amp;Content=121873">http://www.education.ohio.gov/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&amp;TopicRelationID=1704&amp;ContentID=83475&amp;Content=121873</a>	Each grade level document <b>unpacks the standards and provides instructional strategies</b> , sample items, common misconceptions, connection to diverse learners and links to other resources aligning to the standard.
Partnership for Assessment of Readiness for College and Careers (PARCC)	<a href="http://www.parcconline.org/">http://www.parcconline.org/</a>	PARCC is a 23-state consortium working together to develop next-generation K-12 <b>assessments in English and math</b> .
Progressions for the Common Core in Mathematics	<a href="http://ime.math.arizona.edu/progressions/#">http://ime.math.arizona.edu/progressions/#</a>	The authors of the Common Core State Standards in Mathematics are releasing draft papers that provide in-depth discussion of the domain progressions across grades, highlight connections across domains, elaborate on the <b>learning expectations for students, and provide instructional suggestions</b> .
Smarter Balanced Assessment Consortium	<a href="http://www.smarterbalanced.org/">http://www.smarterbalanced.org/</a>	Smarter Balanced Assessment Consortium is a state-led consortium developing <b>assessments aligned to the Common Core State Standards in English language arts/literacy and mathematics</b> that are designed to help prepare all students to graduate high school college- and career-ready.
Student Achievement Partners	<a href="http://www.achievethecore.org">http://www.achievethecore.org</a>	Student Achievement Partners offer a variety of <b>practical resources and examples</b> for working with the Common Core Standards in both E/LA and Mathematics.
Teaching Channel	<a href="https://www.teachingchannel.org/">https://www.teachingchannel.org/</a>	This site includes videos of <b>classroom vignettes</b> with teacher voice overs relating to CCSS. (most about 10 min.)

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