This is a list of some of the resources related to teaching mathematics in the secondary level. You will find all of these resources in the Education Library. If you click on a title in this list, you will get the full information about where to find the resource. Check out the Education Library’s Twitter, Blog and Facebook pages - you will find a wealth of information about the Education Library’s services and resources.

100 commonly asked questions in math class: answers that promote mathematical understanding, grades 6-12  QA139.P65 2013


Assessment to enhance teaching and learning  QA1.N3  2015

Bringing the common core math standards to life: exemplary practices from high schools  Q181.G36 2015

Captivate, activate, and invigorate the student brain in science and math, grades 6-12  Q181.A425 2013

Cases on technology integration in mathematics education  QA16.C37 2015

Common core mathematics in a PLC at work. High school  QA13.C5657 2012

Communication and mathematics: a case for Ontario Secondary teaching  AS42.L81  2010.H466

Developing mathematical thinkers: a guide to rethinking the mathematics classroom  QA11.2.K38 2014

Focus in high school mathematics. Fostering reasoning and sense making for all students  QA13.F62 2011

“Heterogenius” classrooms: detracking math and science, a look at groupwork in action  QA20.G76H48 2012

Making math accessible for the at-risk student: grades 7-12  QA11.P95 2011
Math tools, grades 3-12 : 60+ ways to-- build mathematical practices, differentiate instruction, and increase student engagement  QA135.6.S55 2012

Mathematical literacy in the middle and high school grades : a modern approach to sparking student interest  QA20.R43W35 2013


Mentoring mathematics teachers : supporting and inspiring pre-service and newly qualified teachers  QA10.5.M46 2014

Nurturing reflective learners in mathematics  QA11.2.N87 2013

One equals zero, and other mathematical surprises : paradoxes, fallacies and mind bogglers  QA95.M69 2013


Parallel curriculum units for mathematics, grades 6-12  QA11.2.P366 2011

Practical guide to teaching mathematics in the secondary school  QA13.P695 2013

Reasoning and sense-making activities for high school mathematics : selections from mathematics teacher  QA11.2.R433 2011

STEM education for high-ability learners : designing and implementing programming  Q183.3.A1S728 2016


Succeeding at teaching secondary mathematics : your first year  QA11.2.R635 2010

Teaching secondary and middle school mathematics  QA11.2.B73 2013

Teaching mathematics in grades 6-12 : developing research-based instructional practices  QA11.2.G76 2013

Teaching mathematics in the secondary school  QA11.2.R635 2014

Teaching mathematics using ICT  QA20.C65O42x 2010

Teaching secondary mathematics : techniques and enrichment units  QA11.2.P67x 2010
Uncovering student thinking about mathematics in the common core, high school: 25 formative assessment probes  QA11.2.T63 2014

What successful math teachers do, grades 6-12: 80 research-based strategies for the common core-aligned classroom  QA13.P67 2013

Write on! Math: taking better notes in math class  QA20.M38G47 2013

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