



# Rocky Grove High School 2009-2010

## MATH HELP – ALGEBRA WEBSITES & MORE

Technology in the 21st century not only assists students in learning difficult material but also allows for practice and review. The websites presented here provide students with a wide array of assistance in mastering algebra.

<http://www.brightstorm.com/d/math>

Bright Storm Math: Website with lessons & tutorials on just about every Mathematics topic covered in our classes.

<http://shodor.org/interactivate/activities/>

With the use of Java applets, this site allows students to practice graphing functions as well as many other algebra concepts. Good for either group or individual exploration, the site also provides its users with what, how, and why explanations for each activity. Topics covered include functions, graphs, and properties of linear functions.

[http://matti.usu.edu/nlvm/nav/grade\\_g\\_4.html](http://matti.usu.edu/nlvm/nav/grade_g_4.html)

Supported by the National Science Foundation, the goal of the website of the National Library of Virtual Manipulations for Interactive Mathematics is to engage students in math activities with virtual manipulatives. Each manipulative features instructions, parent/teacher information, and the relevant National Council of Teachers of Mathematics standard.

<http://www.regentsprep.org/Regents/math/ALGEBRA/math-ALGEBRA.htm>

<http://www.regentsprep.org/Regents/math/geometry/math-GEOMETRY.htm>

With lessons, interactive student practice activities, and teacher resources, this website offers students and teachers help in preparing to meet the mathematics requirements for the New York State Regents diploma. The site also features multiple-choice questions, games, and puzzles related to concepts tested on the Math A Regents Examination.

[www.sosmath.com/algebra/algebra.html](http://www.sosmath.com/algebra/algebra.html)

Whether students need help with homework or test preparation or simply need to refresh their memory, the S.O.S. Mathematics website offers it all -- for free! This study site features written explanations of algebra concepts and practice problems suitable for high school, college, or even adult learners.

[www.cut-the-knot.org/algebra.shtml](http://www.cut-the-knot.org/algebra.shtml)

Not only does this website feature descriptions for every algebra topic, it also gives students the opportunity, in the form of intriguing games, to practice their skills. Many of the games and puzzles available on the site are Java applets that students can easily manipulate.

[www.veazeys.com/math/lessons.htm](http://www.veazeys.com/math/lessons.htm)

Rick Veazey and the Greenville County schools in South Carolina host this website, which offers interactive math models for equations and inequalities, factoring, and graphing. The models provide randomly generated practice problems that include step-by-step solutions.

[www.algebrahelp.com/index.jsp](http://www.algebrahelp.com/index.jsp)

Through the use of lessons, worksheets, and a variety of calculators, this website offers students help with homework and opportunities to practice important algebra concepts. Both the worksheets and the calculators are interactive and provide automatic feedback to users.

<http://www.explorelearning.com/index.cfm?method=cResource.dspResourceCatalog>

ExploreLearning Gizmos (interactive math simulations) are excellent tools that give students the ability to view and manipulate more than one representation of an algebra concept at a time, allowing for discovery. Educational researchers have gathered empirical evidence that demonstrates the instructional effectiveness of the Gizmos featured on this website.

[www.purplemath.com/modules/index.htm](http://www.purplemath.com/modules/index.htm)

The Purple Math website presents lessons on various Algebra topics. The lessons explain algebra concepts, give practical tips, identify common mistakes, and provide opportunities for students to solve problems online. Topics are cross-referenced and include factoring numbers, polynomials, and inequalities.

<http://www.coolmath.com/algebra/index.html>

The Cool Math website presents lessons on algebra concepts in kid-friendly language. Lessons are organized by topic and presented sequentially. Cool Math features the Algebra Cruncher -- an interactive problem solver. Topics explored on the site include exponents and radicals, solving equations, and mastering word problems.

SOURCES:

FERRUCCI, M. and BROCK, M., Web Watch, "The Microcomputer in the Instructional Program." Buffalo State College, Buffalo, N.Y., 2004.