



Sachem HS East Library Math Research Paper Websites

General Websites

[Math Forum](http://mathforum.org/) <http://mathforum.org/>

Links to math resources for all ages from K to post secondary. (all ages)

[Math Forum Internet Math Library](http://mathforum.org/library/resource_types/search_engines/) http://mathforum.org/library/resource_types/search_engines/ Search Engines (some related specifically to math)

[Ask Dr. Math/High School Archive](http://mathforum.org/library/drmath/drmath.high.html) <http://mathforum.org/library/drmath/drmath.high.html>

Have a math question you can't find the answer to? Try asking one of the Dr. Math specialists. Browse questions and answers on many topics.

[Interactive Mathematics](http://library.thinkquest.org/2647/main.htm) <http://library.thinkquest.org/2647/main.htm>

Learn algebra, geometry, and chaos theory here; don't miss the Java interactive components.

[Mathematics Center](http://www.eduplace.com/math/index.jsp) <http://www.eduplace.com/math/index.jsp>

Sponsored by Houghton Mifflin this site includes brain teasers and links to Internet based mathematics activities for the classroom. (all ages)

[Math Homework Help](http://users.erols.com/bram/) <http://users.erols.com/bram/>

Formulas, practice problems, cool mathematicians. You'll find that and more at this site designed for students doing homework. (middle/high school)

[Mega-Mathematics](http://www.ccs3.lanl.gov/mega-math/) <http://www.ccs3.lanl.gov/mega-math/>

Mathematical concepts are taught and explained through interactive stories.

[Academic Info: Mathematics](http://www.academicinfo.net/math.html) <http://www.academicinfo.net/math.html>

A directory of mathematics sites chosen for the university level; provides great background information for teachers and secondary students

[Cornell Theory Center: Math Resources](http://www.tc.cornell.edu/Services/Education/Gateways/Math_and_Science)

http://www.tc.cornell.edu/Services/Education/Gateways/Math_and_Science

Great links to resources in mathematics and science for educators and students in grades 9-12

[Internet Mathematics Library](http://mathforum.org/library/) <http://mathforum.org/library/>

An extensive series of math links produced by the Math Forum

[Math.com: References](http://www.math.com/students/references.html) <http://www.math.com/students/references.html>

A handy list of links including formulas, the history of math, and online problem-solving tools

[History of Mathematics Archive](http://www-groups.dcs.st-and.ac.uk/~history/) <http://www-groups.dcs.st-and.ac.uk/~history/>

This is the place to go to find information on mathematicians, mathematical theory, and mathematics history.

[Internet4Classrooms: Secondary Mathematics](http://www.internet4classrooms.com/math_sec.htm) – over 90 topics and hyperlinks

http://www.internet4classrooms.com/math_sec.htm

[MathWorld](http://mathworld.wolfram.com/) <http://mathworld.wolfram.com/>

A comprehensive and interactive mathematics encyclopedia intended for students, educators, math enthusiasts, and researchers

[Education World – Math & Finance](http://www.education-world.com/awards/past/topics/math.shtml)

<http://www.education-world.com/awards/past/topics/math.shtml>

Hundreds of links to many topics including General Math, Algebra, Geometry, Calculus & Trigonometry and Finance.

[Topics in Mathematics](http://archives.math.utk.edu/topics/) <http://archives.math.utk.edu/topics/>

In these pages, you will find links to various WWW resources on Mathematics. They are organized by topics.

Specific Information

[Fibonacci Numbers and Nature](http://www.mcs.surrey.ac.uk/Personal/R.Knott/Fibonacci/fibnat.html) <http://www.mcs.surrey.ac.uk/Personal/R.Knott/Fibonacci/fibnat.html>

This page has been split into two parts; Part 1 reviews Fibonacci numbers and why they appear in various "family trees" and patterns of spirals of leaves and seeds; Part 2 examines why the golden section is used by nature in some detail, including animations of growing plants.

[Dynamical Systems @ Boston University](http://math.bu.edu/DYSYS/dysys.html) <http://math.bu.edu/DYSYS/dysys.html>

This National Science Foundation sponsored project is designed to bring contemporary topics in mathematics (chaos, fractals, and dynamics) into the classroom, and to show them how to use technology effectively in this process.

[Euclid's Elements](http://aleph0.clarku.edu/~djoyce/java/elements/elements.html) <http://aleph0.clarku.edu/~djoyce/java/elements/elements.html>

Euclid's *Elements* form one of the most beautiful and influential works of science in the history of humankind. Its beauty lies in its logical development of geometry and other branches of mathematics

[101 Science](http://101science.com/Radio.htm) <http://101science.com/Radio.htm>

Learn and research electronics, science, chemistry, biology, physics, math, astronomy, transistors, and much more. 101science.com is the internet science PORTAL to more than 20,000 science sites. Use this site to review the topic - *Math in Electronics*

[Math and Music](http://members.cox.net/mathmistakes/music.htm) <http://members.cox.net/mathmistakes/music.htm>

Mathematics and music have a strange connection. Music is the only art form, where the form and the medium are the same.

[Mathematics and Music](http://www.math.niu.edu/~rusin/uses-math/music/) <http://www.math.niu.edu/~rusin/uses-math/music/>

There are a couple of other connections between math and music. Check out this tidbit about Bartok's music and this intermarriage between math and music.

Dictionaries/Reference Tables/Online Calculators:

[Martindale's Calculators On-line Center](http://www.martindalecenter.com/Calculators2.html) <http://www.martindalecenter.com/Calculators2.html>

You can find a calculator for almost anything here, from fractions to knot theory.

[Math Tables](http://math2.org/) <http://math2.org/>

This is a ready reference resource for anyone needing a reminder of how math equations work.

[Math Dictionary for Kids](http://www.amathsdictionaryforkids.com/) <http://www.amathsdictionaryforkids.com/>

Over 400 common mathematical terms explained using simple language and interactive animation.

[Math2.org](http://math2.org/) <http://math2.org/>

Includes Reference Tables and Resources for other math-related websites