Sachem HS East Library
Math Research Paper Websites

General Websites

Math Forum 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/ Search Engines (some related specifically to math)

Ask Dr. Math/High School Archive 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
Learn algebra, geometry, and chaos theory here; don't miss the Java interactive components.

Mathematics Center 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/
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/
Mathematical concepts are taught and explained through interactive stories.

Academic Info: Mathematics 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
Great links to resources in mathematics and science for educators and students in grades 9-12

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

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

OVER →

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

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

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

Math2.org http://math2.org/
Includes Reference Tables and Resources for other math-related websites

Prepared by: Ms. Haussner, 10/07