

Math Web sites K-12

Marco polo

Here's another good resource:

<http://illuminations.nctm.org/>

For some algebra and geometry projects using the internet go to:

<http://cte.jhu.edu/techacademy/web/heal/mathsites.htm>

(many math sites includes puzzles,)

For some more high school web-based projects go to:

<http://cte.jhu.edu/techacademy/web/matrix/projects.html#math>

I suggest you go to the Internet Public Library Youth Division

www.ipl.org/youth. Click on 'math' under the heading "Teachers & Parents."

Try a preview of the upcoming BritannicaSchool. There are Math tutorials that include glossary entries, teacher notes, activities, and internet links. Go to www.britannicaschool.com and select a free 30 day trial to preview the site's resources.

Discover School.com

WEB MATH WWW.WEBMATH.COM(part of Discovery School.com)

I think your students would benefit from www.purplemath.com - reading here are some web sites that might be helpful to you when teaching Algebra.

<http://forum.swarthmore.edu/alejandre/algfac.html>

<http://www.algebrahelp.com/>

<http://www.sosmath.com/>

<http://www.math.com/> - interactive games

<http://www.searchopolis.com> resources

<http://www.yahooligans.com> resources

www.coolmath.com – interactive kid friendly

www.mathforum.com

Try <http://www.ndbc.noaa.gov/> for real time data from NOAA's ocean buoys.

I have tried very hard to find sites good for algebra & geometry instruction. I hope they help!

Take a look at Landmark for Schools... <http://landmark-project.com>

www.getsmarter.org

We did a unit where a student's family was relocating out to the western United States.

They were to choose between 5 predetermined cities. They had to pick the one that was best for their family and their circumstances.

We never gave a reason for the relocation. It could have been job related, health related, etc.

They had to research each city, compare and contrast criteria, etc.

Real Time Data Projects

<http://k12science.ati.stevens-tech.edu/realtimeproj.html>

Yahoo Stock Quote Guide

<http://quote.yahoo.com/>

U.S. NATIONAL DEBT CLOCK

http://www.brillig.com/debt_clock/

U.S. Census Bureau

<http://www.census.gov/main/www/popclock.html>

International Data Base

<http://www.census.gov/ipc/www/idbnew.html>

Currency Converter

<http://www.xe.net/currency/>

Raw Data

<http://www.xe.net/currency/>

Good News Bears

<http://www.ncsa.uiuc.edu/edu/RSE/RSEyellow/gnb.html>

This site allows students to get into the interactive world of the stock market. It features real-time data from the New York Stock Exchange and NASDAQ. Students can actually play the market using an imaginary portfolio.

<http://k12science.org/k12partner99/stelizabeth3.html>

(<http://illuminations.nctm.org/swr/index.html>) you can easily search a database

This is a math web page of reference links I put together for my school. I
>think it has good links for elementary and middle school too.
>

**<http://www.shodor.org/interactivate/activities/>
**www.mathgoodies.com/lessons – can use up to 54 lessons for free
**<http://mathdork.com> (you have to pay for this one but check out their free
lessons!) – kid friendly, interactive
**www.aaamath.com
<http://forum.swarthmore.edu/students/middle/fun.html> Middle school
<http://www.eduplace.com/math/brain/>
**<http://forum.swarthmore.edu/alejandre/index.html>

** sites have online lessons easy to use in class or in a lab situation

Lesson on dangers of tobacco use

>: [Here is a related lesson that has been reviewed by MarcoPolo Partner Illuminations:](http://www.nytimes.com/learning/teachers/lessons/981119thursday.html)
<http://www.nytimes.com/learning/teachers/lessons/981119thursday.html>

Middle school activity on math and pool

<http://illuminations.nctm.org/imath/6-8/pooltable/index.html>

Texas Instruments activities page for Middle Schhol

<http://www.ti.com/calc/docs/act8xmidd.htm>

Bud's TI Page

T1-83 Programs

<http://www.geocities.com/ti83programs/>

We have several resources on PBS TeacherSource which might meet your needs.
Especially timely is the Build Your own Campaign unit, part of the PBS
Democracy Project. Several of these lessons are math intensive and feature
a reading component; take a look at "Get it on the Ballot" and the lessons
on polling.

http://www.pbs.org/democracy/buildyourowncampaign/lesson_plans.html

Also check out the Math section of the TeacherSource website. You can
access a wealth of lesson plans and articles, and can search by grade level
and topic. The lessons are correlated to state, national, and (in some
cases) local standards.

<http://www.pbs.org/teachersource/math.htm>

Internet Scavenger Hunt

First!!!! Copy this page. Open a blank page. Paste. Then save your work to that copy.

Second!!!! Go to <http://cte.jhu.edu/techacademy/web/heal/mathsites.htm>.

Team Names _____

* Find the sites.

* Record your findings (Copy and paste addresses or information below.)

* Do the puzzles

1) An algebra help site. _____

2) A quote or tidbit from the life of a famous mathematician.

3) A famous math problem and your ideas about the solution.

4) What is algebra?

5) What is the Fibonacci sequence? Describe one place in nature where the Fibonacci sequence can be found.

6) Aims puzzle of the month. Draw below or on a separate piece of paper.

7) Register on the Internet Learning Network (Get Smarter.org) and take the "Real Challenge." Find out how you compare to students throughout the world on the TIMSS (Third International Mathematics and Science Study).

8) The Math forum MIDDLE SCHOOL or ALGEBRA problem of the week.

9) Play the Java Algebra vocabulary game

our math resources page:

- >
- > <http://mathstar.nmsu.edu/teacher/mathlinks.html>
- >
- > we have lessons categorized on our lessons page:
- >
- > http://mathstar.nmsu.edu/teacher/math_lesson_index.html
- >
- > and have a link to the California Clearinghouse
- >
- > <http://clearinghouse.k12.ca.us/>
- >
- > where there are reviews of math software by standards

QUESTIONS:

1. The leaves of this tree resemble the shape of the palm of a human hand. What is the name of this tree?
2. If no one lives there, why does Antarctica have its own currency?
3. How many faces does a dodecahedron have? (Hint: each face is a pentagon)
4. Who holds the Major League Baseball home-run record?
5. How do sea gulls and crows open mollusks in order to feed on the meat inside?
6. How much blood can an average human heart pump in one minute?
7. If the ship was filled to full capacity, what percentage of crew and passengers could the RMS Titanic's lifeboats hold?

ANSWERS:

(NOTE: If you have trouble clicking on the links in this message, copy and paste the URLs into your browser's address window. If the URL is split on two lines, make sure you copy the complete URL.)

1. The palmetto tree has "lobed" leaves that resemble the shape of a human hand. Students will learn about numbers and counting by examining and classifying different types of plants in **"It Counts"** (Grades K-2).

Teachers will find guiding questions to ask students during their experiments at http://marcopolo.worldcom.com/partner/08aaas_itcounts.cfm

Here's the address:
<http://school.discovery.com/schrockguide/math.html>

This is a math web page of reference links I put together for my school. I think it has good links for elementary and middle school too.

<http://www.burke.k12.nc.us/fhs/Departments/MATH/math.HTM>

This is a website I created for my 5th grade class to learn and review fractions. Enjoy!!

<http://www.lincoln.k12.nc.us/pces/FractionPg.htm>

some great tessellation sites, including "Tantalizing Tessellations," which is reviewed by Illuminations at http://illuminations.nctm.org/swr/review.asp?Std=2&Grd=3&url_id=249, and ArtsEdge-reviewed tessellation tutorials: <http://forum.swarthmore.edu/sum95/suzanne/tess.intro.html>.

