

Caily Bridgeland's Favorite Math Web Resources

1) AAA Math

Address: www.AAAMath.com.

Description of Contents:

AAA Math explains all necessary mathematical topics for each grade level based on SOL and national standards for that age group. There is a subset of practice problems, challenges, and fun games for each topic at each grade level. For example, for the "Kindergarten" category, there are links to practice problems and games for 'More and Fewer,' 'Numbers and Counting through Ten,' 'Numbers and Counting through Twenty,' 'Counting Down,' 'Patterns of Numbers,' 'Adding,' 'Subtracting,' 'Positions,' 'Fractions,' and 'Time.' For each grade, students have the opportunity of clicking any of the four buttons for each topic: "Learn," "Practice," "Play," and "Explore."

How you can use this source:

Children have the opportunity to submit their answers to problems online and be corrected. They can also "share" learning content with their friends online. They can see how many correct versus incorrect answers that they received, and can repeat exercises until they have received 100%.

AAA Math. (2011). Retrieved September 11, 2012, from <http://www.AAAMath.com>

2) Math Cats

Address: <http://www.mathcats.com/>

Description of Contents:

Math Cats is a website geared toward making math fun for elementary students through games, photos, crafts, and even a math 'art gallery.'

"Crossing the River": This section is essentially a word problem where students play a game to see how many passengers a cat can bring to cross the river without the boat sinking.

"Photo of the Week." A different photo is posted each week of cute kittens, and questions about fractions are asked about the photo. For example, "What percent of the cats in the photo are white?"

"Exactly how old are you?" Students calculate their age in years, hours, minutes, and seconds.

"Polygon playground": Students use symmetry, tessellations to create pictures of cats.

How you can use this source:

Students use the different links to work on a variety of mathematical skills. All topics contain content having to do with cats, but each link targets a specific mathematical skill. "Crossing the river" uses logic and word problems, "Photo of the Week," deals with fractions, "Exactly how old are you?" deals with conversions, and "Polygon playground" deals with geometry, symmetry, and tessellations through crafting art. This website is especially helpful because it allows students to use math when dealing with real-life issues and interests.

Math Cats. (2000). Retrieved September 11, 2012, <http://www.mathcats.com>

3) Figure This: Math Challenges for Families

Address: <http://www.figurethis.org>

Description of Contents:

This website is very useful because it not only targets students learning math themselves, but encourages families to explore math together outside of the classroom. The "Families and Math" section gives parents a list of questions to ask their child when approaching math homework, and gives parents examples to help their children solve problems and maintain a positive attitude. The "Challenges" section gives a list of word problems and games that students and parents can work on together. There are four math challenges for the day, and each challenge has a hint to help a student find the answer.

How you can use this source:

Families can use this site together, as the links target both students and adults. Parents can use certain links for guidance and moral support if their child is having a hard time being motivated or understanding mathematical skills. Children can relate to the illustrations and lively content for problems, and rely on the hints that the challenges provide, with their parents there to support them.

Figure This! (1999). Retrieved September 11, 2012, from <http://www.figurethis.org>

4) Math Playground

Address: <http://www.mathplayground.com/>

Description of contents: Math Playground contains mathematical content from first grade through the high school level. The "Math Games 1 & 2" sections contain a

variety of challenges addressing all different concepts with regards to ratios, angles and velocity, and fractions and decimals. There is also a “Logics Puzzles” link that uses animal animations to pose logical reasoning, and a “Math Videos” section videos that promote auditory and visual learning of content with definitions posted while also being read.

How you can use this source:

This source is applicable to all age levels and many learning styles. If students wish to listen to a ‘lecture,’ they can watch a video listening to a teacher discuss a mathematical topic, while seeing the ‘definition’ written on the screen as though it were a blackboard. If they wish to improve their logical reasoning, they can play games and click on the animal animations, and if they just feel like playing computer games, there are a wide variety of games, each having to do with a different mathematical skill.

Math Playground. (2012). Retrieved September 12, 2012, from <http://www.mathplayground.com>

5) Math is Fun!

Address: <http://www.mathisfun.com>

Description of contents:

This source is very helpful in that it is very organized with its links to different mathematical resources. It contains a ‘Data’ section, for pictures of graphs and to analyze and learn about probability, and how to use graphs, a “Measure” section with information on both the metric and US standard units, a “Puzzles” section, with visual puzzles on measurement, symmetry, or logic, and even a “Dictionary” section to learn and clarify mathematical vocabulary.

How you can use this source:

Teachers and Students can take weekly “Math Vocabulary Tests,” to ensure that they understand the meaning of mathematical words and can clearly define them. They can also use their ‘fun’ time to solve puzzles that actually have to do with mathematical concepts. They can also use this site as a helpful tool to form correct graphs with proper ratios and dimensions.

Math is Fun! (2012). Retrieved September 12, 2012, <http://www.mathisfun.com>

