

# Gifted and Talented Resources for Educators

## Math Activities

### Link Lists

[King's list of Math Activities](#) - Huge list of math activities. Contains some problem-solving, but focuses more on skill development practice.

### **Math activities that focus on problem-solving:**

#### **All ages**

[National Library of Virtual Manipulatives](#) -K-12 The problems are divided into the 5 mathematical strands. A variety of activities to choose from.

[Figure This! Math Challenges for Families](#) - K-12. Real-life math problems that the family can solve together. Supported by the National Council of Mathematics.

[Education.com](#) - K-12 A comprehensive list of math activities.

[Math Project List](#) - K-12 list of student projects.

#### **Elementary**

[Aunty Math](#) - K-5 Real world math challenges provided that have 2 levels of difficulty to them.

[Math Maven](#) - K-5 Math mysteries that require logical thinking

[Math Stars Problem-Solving Newsletter](#) - 1-8 Periodic newsletter with some interesting problems.

[Math Doodles](#) - K-5 Fun little games that challenge thinking.

[Primary Games](#) - K-4 Lots of fun math games that kids will enjoy... adults too!

[Math Playground](#) - K-5 You can spend hours with the variety of math activities on this site.

[Mathszone](#) - K-5 Tons of games organized by subject.

[Teaching Math to Children \(K-5\)](#) – K-5 Activities, Apps & Games, and Websites.

#### **Middle School/High School**

[Open-ended math problems](#) - 6-8 The problems are divided into 5 mathematical strands, which makes it easy to search for an exact type of problem that you are looking for.

[The Math Problem Site](#) - 3-12 Interesting math puzzles that seem easy, but can be quite tricky.

[Enriching Mathematics](#) - 6-12 A batch of great math puzzles that will drive you crazy.

[Word Problems for Kids](#) - 5-12 Nice selection of word problems broken down by grade. Hint and solutions provided.

[Maths Challenge](#) - 7-12 Math problems organized by difficulty.

[BBC Education](#) - 5-8 Visually attractive math challenges for the Middle School student.

[Curious Math](#) - 5-12 Neat math tricks and oddities.

[Math Bank Robbery](#) - 5-8 Entertaining mystery that uses math.

[Nick's Mathematical Puzzles](#) - 8-12 Good luck with these!

### **Online Math Curriculum**

[Aleks](#) - K-12. ALEKS is a web-based, artificially intelligent assessment and learning system. ALEKS uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course. ALEKS then instructs the student on the topics she is most ready to learn. There is a free trial available.

[First in Math](#) 2-8 This service touts itself as "the foremost online math resource for grades 2 to 8 and beyond! The First In Math® Online Program is a proven curriculum supplement that solidifies basic mathematics skills, and can significantly improve test scores." There is a small cost to the service, but looks to provide a ready to use curriculum.

### **Reading Activities**

[Reader's Theater](#) - 2-9 This website is a great resource for scripts, and how to do them effectively.

[Lexile](#) - K-12 A fantastic way to find books at your reading level.

[Scholastic](#) - K-12 Neat interactive activities that are sortable by grade level.

[Education.com](#) - K-12 A comprehensive list of reading activities.

[Spelling City](#) - K-8 An on-line interactive spelling system that allows you to create your own word lists.

[Assorted Word Games, Puzzles](#) - 3-12 Title says it all, lots of puzzles.

[Online Crossword Puzzles](#) - 3-12 Not only crossword puzzles, but many language challenges.

[Word Games](#) - K-8 Original word games. I enjoy the "build your own dictionary activity"

[Interactive Poetry Site](#) - 3-12 Same concept at language across borders except with poetry.

[Newslink -- newspapers/radio/tv](#) - 2-12 Find any on-line newspaper.

[Literature Trivia Links](#) - 2-12 All sorts of trivia sites based on literature.

### **Social Studies**

[National Geographic](#) - 4-12 Interactive games teach all the geography standards.

[Scholastic](#) - K-12 Neat interactive activities that will challenge all grade levels.

[Central Intelligence Agency World Factbook](#) - K-12 Contains information on every country of the world.

[CIA Home Page for Kids](#) - K-8 Games and resources regarding the CIA.

[NY Times Weekly Current Events Quiz](#) - 4-12 Daily current event quizzes in a multiple choice format.

[Stock Market Contest](#) - 3-12 There are lots of free stock market games out there, but I like this one because the ads are tolerable, and it is easy for kids to navigate around. Does not contain research within the site though.

[Indianapolis Children's Museum](#) - K-8 Well done website with a variety of learning games. Organized by grade level.

### **Election Resources**

[President Webquest](#) - Create a candidate from scratch and develop their stance on key issues.

<http://www.readinga-z.com/theme/election08.html> - 1-6 Great materials for younger learners.

[Scholastic](#) - K-12 On-line game called "meet the candidates" is geared more towards the younger learner. Probably the best overall site I found.

[Elections](#) - 4-12 Run for the president with this interactive game for 1-2 players. I like this more for the older kids.

[Tour of the White House](#) - on-line virtual tour of the White House.

[Presidential Election](#) - K-5 Organized look at the election.

[Growing Voters](#) - 1-12 Lesson plans and free resources.

[Updated polling results](#) The latest electoral college predictions.

### **Wisconsin Heritage Fair Resources**

Wisconsin Hometown Stories, [http://www.ecb.org/hometown\\_stories/index.htm](http://www.ecb.org/hometown_stories/index.htm)

Cultural Horizons of Wisconsin, <http://www.ecb.org/culture/programguides.htm>

[Investigating Wisconsin History](#)

[Exploring Wisconsin our Home](#)

[The New Dawn of Tradition: A Wisconsin Powwow](#),

### **Science Activities**

[How stuff works?](#) Kids always stump me with their curiosity. So, I send them here to find answers to their questions.

[Scholastic.com](http://www.scholastic.com) - K-12 All sorts of neat science on-live activities and interactive learning divided by grade level.

[Education.com](http://www.education.com) - K-12 A comprehensive list of science activities.

[BBC](http://www.bbc.com) - K-5 Interactive website that also has math and reading activities as well.

[Alice](http://www.alice.com) - 5-12 Free educational software that teaches students computer programming in a 3d environment.

[PBS Design Squad](http://www.pbs.org/designsquad) - K-8 Build projects based on the great PBS show.

[Windows to the Universe -- Activities](http://www.windows-tu.com) - K-8 Well done website regarding space, the earth and more.

[Cool Science for Curious Kids](http://www.cool-science.com) - K-12 If you have a budding scientist. You will want them to see this website.

<http://www.learn4good.com/games/simulation.htm> - on-line simulation games

### **Art Activities**

#### **Visual**

[Math Cats](http://www.mathcats.com) - K-6 Math and Art combined.

[Cartoonster](http://www.cartoonster.com) - K-12 Learn how to create your own cartoons

[Make a Flake](http://www.make-a-flake.com) - K-12 Make your own on-line snowflake. Pretty basic, but it just makes me happy.

[Sketch-up](http://www.sketch-up.com) - K-12 Download this google software to create your own 3d drawings.

[Filmmaker](http://www.filmaker.com) - Create your own movie

[PaperToys](http://www.paper-toys.com) - Print-out, cut-out, and fold paper models.

[Art Mystery History](http://www.art-mystery.com) - 4-8 Combines a solvable mystery with art history as a theme.

[Crayola online](http://www.crayola.com) - K-5 Lots of different activities organized by grade level and interest. As you may guess, students get to color.

[Rube Goldberg creations](http://www.rube-goldberg.com)- Instructions and examples of these crazy inventions.

[U.S. Patent Office](http://www.us-patent.com) - Search for patents plus on-line activities to generate ideas for new inventions.

[Albright-Knox Artgames](http://www.albright-knox.com) - Art appreciation games and activities to make art online. Lots of fun. You will want to try them all.

[Artist's Toolkit - Minneapolis Institute of Arts](http://www.artist-toolkit.com) - Fun interactive - sound effects, too. Learn all about the elements and principles (art vocabulary - perspective drawing) in fun ways using works of art from the Minneapolis Institute of Arts. Make you own art, too. Great fun on a rainy day!

[Destination Modern Art](#) - Blast off to the Museum of Modern Art in Queens. Activities are all designed for elementary (ages 5 to 8). Even older students will enjoy this quick overview of some of our favorite artists (Van Gogh, Bearden, Kahlo - more).

[Kids Art Top Ten Museums](#) - Visit an art museum on the Internet. KidsArt brings you links to our favorite children's web presentations from museums around the U.S.

[Smithsonian for Kids](#) - Explore the playful side of the Smithsonian Museums. There are highlights of different areas and fun on-line stuff for kids and kids at heart. Fun activities - like Make a Sculpture

[ArtPad](#) is a very cool flash-based paint program from art.com. Have fun creating art!

[Etch-a-sketch Online](#) A touch of nostalgia for mom and dad, too.

[Mark Kistler's Imagination Station!](#) The most popular learn to draw in 3-D site on the planet.

[Switch Zoo](#) Switch the animals' heads, legs, and tails to make new creatures at this surrealistic virtual zoo. Thousands of combinations are possible! New animals monthly.

[YouDraw](#) For children and adults. The aim of this website is to show what 6 billion people look like by producing 12,000 copies of a book of 500,000 human figures drawn by visitors to the site.

[Kids Art : Worldwide Art Gallery](#) The Worldwide Kids' Art Gallery celebrates the boundless expression and imagination of children. This site invites children from all corners of the globe to submit their art for display. Poetry and short stories are also accepted.

## **Musical**

[Finale Notepad](#)- Download and Install this free software that allows you to write your own music.

[San Francisco Symphony Kid's Site](#) K-5 Lots of ways to please the music lover.

[Young Composers](#) Kids send musical compositions to this site and can listen to the compositions. Selections of famous composers available, too.