

research links  
to childhood  
development ...



# Give your children the musical advantage



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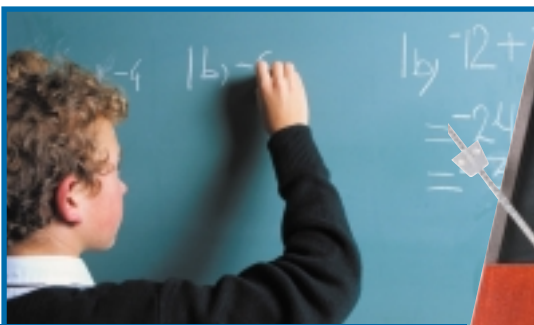


Learning to  
*Play*

Can music really  
make your child  
smarter?

A rising tide of  
music making  
brain





## Second Graders Do Sixth Grade Math

Second-grade students who were given four months of piano keyboard training, as well as time using math puzzle software, scored 27% higher on proportional math and fractions tests than children who received no special instruction. They were also able to solve proportional math problems at a sixth grade level. *Keeping Mozart in Mind, Academic Press*

## Music Makes The Brain Grow



Childhood music lessons actually enlarge portions of the brain. German researchers found that the brain area used to analyze musical pitch is an average of 25% larger in musicians. The younger the musical training begins, the larger the area. *Nature, April 23, 1998*

## Rhythm Students Learn Fractions Better



After learning eighth, quarter, half and whole notes, second and third graders scored 100% higher than their peers who were taught fractions using traditional methods. *Neurological Research, March 15, 1999*



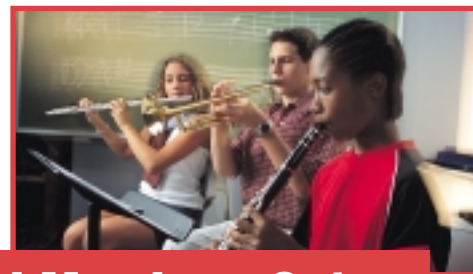
## Piano Raises Conceptual Math Scores

U. of California, Irvine found that after six months of piano lessons, preschoolers performed 34% higher on spatial-temporal testing than those who received no training and those who received computer training. *Neurological Research, February 28, 1997*

# Kids who study Music do better in school and in Life

## Music Students Score Higher SATs®

College-bound seniors with school music experience scored 57 points higher on the verbal portion of their SATs and 41 points higher in math (98 points combined) than those without arts instruction. *Profiles of SAT and Achievement Test Takers, The College Board, 2001*



## Band Members Get Better Math, Science and Language Grades

Studies at the University of Sarasota and East Texas State University both found links between the number of years of band instruction and significantly improved academic achievement as measured by standardized math, science and language tests. *U of S study by Jeffrey Lynn Kluball, 2000; ETSU study by Daryl Erick Trent*

# Give your children the musical advantage

Enroll them in your local school music program.



Researchers are providing us with an unprecedented understanding of how we think and how we learn. Now we know that music is a vital part of a complete education. Our children can benefit greatly from making music. Now is the time to insist that our schools provide music programs and that music education should be a part of the core curriculum.

Visit the American Music Conference (AMC) Web site, learn more about the latest research, and talk about it with fellow parents, school administrators and members of your local school board.

Find out more about Music Makes You Smarter Research at the AMC Web site: [www.amc-music.org](http://www.amc-music.org)