

Mathworks Tutoring, LLC
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Of Special Interest

- Planning for Summer Weather Camp 2010 is already underway. This summer, the camp, in its 7th year, will be expanding to a total of 5-7 college sites as part of an NSF grant. If you know of any high school student (grade 10 to 12 next fall) with a weather interest, please let them know about this camp opportunity.
- Mathworks will no longer offer group SAT / ACT / FCAT prep sessions. Due to large differences in backgrounds and needs, we feel that tutees will gain more and gain it more quickly in a tailored, one-on-one tutoring program. In the longer run, this should be much more cost-effective for tutee families.

Math Cartoons...

Cartoons can sometimes provide great insights into math and science concepts.

Click [here](#) for yet another web site that provides a compilation of some informative math and education cartoons.

Tutor Profile: Barbara Levine

Barbara Levine, a certified math and science educator, is one of the founders of Mathworks. In addition to her full-time teaching job (6th grade math), Barbara tutors several elementary and middle school students, ensures that sound educational materials and games are available at the Mathworks Center, works on operating and expanding the business and handles much of the accounting aspects of the business.

Barbara has been teaching for more than 20 years and has experience at almost all grades from pre-kindergarten through 6th grade. She is "hands-on" (see image

above), often getting into activities with her students and tutees to help them grasp key concepts. She is also a whiz at helping students understand how to get organized and how to study.

Barbara is a member of the National Council of Teachers of Mathematics (NCTM) and has attended many NCTM Annual Conferences to find the latest in educational materials. She is also a Golden Apple Distinguished Teacher.

Barbara has co-authored several books about weather and is currently developing online math materials for use at Mathworks.

Mathworks Online?

Mathworks may soon be coming to a computer near you. Recognizing the need for reaching out to students in more distant locations, including those in Lee County, home school students and students who may have commitments that

take them away from a school setting occasionally, Mathworks is already exploring ways to take its one-on-one tutoring online. If any readers of this newsletter have ideas about this concept, we'd love to hear from you.

Math is Everywhere...

We are writing this right after the NFL playoff game between Phoenix and Green Bay ended. And that game made us realize just how math our kids get exposed to each day. First, there was the [pre-game hype and statistical analysis](#). Then came the [game with its suite of statistics](#), number-line computations

(gained 3 yards, lost 4 yards, gained 7 yards) and finally the score. A missed field goal pushed the game into overtime and a penalty gave one team a key first down. The whole overtime process involved mathematics. For those who missed it, the score, 51-45, was the highest in NFL playoff history.



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We're on the Web!

See us at:

<http://www.weatherworks.com/mathworks.html>

**"Fostering Math Understanding and
Success One Student at a Time"SM**

Tutoring Yields Large Return on Investment (ROI)

Last month, we provided some insight into return on investment (ROI) when it came to SAT/ACT math and language arts preparation. Then one of our tutees popped into our Center to tell us about his success story.

He came to Mathworks in the fall to boost his ACT score which was in the mid-teens. But he came with the needed attitude. He was going to work hard, go above and beyond what was required and raise his score to 21.

He did! And as a result, he will be attending the college of his choice along with significant financial backing from the college.

But this student went above and beyond the call of duty (we call this ABCD) and did more problems, worked them through completely and came fully prepared for his tutoring sessions.

We have to wonder why we continue to require less from the students in our classrooms?

Math and Weather Articles Online

H. Michael Mogil, one of the Mathworks principals, and a Certified Consulting Meteorologist, is continuing to post math-related (and other) articles at [Associated Content](#), an online media web site.

Mike is now also providing real-time weather content to [examiner.com](#), including a series of 10 articles about Florida's recent cold weather experiences. The climatological and record-breaking aspects of this cold showcase many aspects of applied mathematics. There is also an article about a change in hail size criterion for severe weather warnings. Did you know that hail is sized based on things familiar to us (size of dimes = $\frac{3}{4}$ inch in diameter; golf ball size = $1\frac{3}{4}$ inches)?

About Mathworks...

Mathworks Tutoring, LLC is a locally owned and operated math tutoring business. Although we are only in our fourth full year, we have developed a reputation of providing focused math support to students in grades K through college, including SAT, ACT and ASVAB preparation. With a team of more than a dozen tutors, we now also offer SAT language arts tutoring, homework helping, study skill building and even tutoring in other subjects (upon request). Most of our client families have given us the highest marks for helping their child improve their grades and test scores through a solid understanding of math and/or language arts concepts.

Our tutors are either certified teachers or have extensive workplace experience. All are background-checked and subscribe to the Mathworks educational philosophy of providing focused help to each student.

Mathworks is owned by Barbara Levine and H. Michael Mogil.

