

Mathworks Tutoring

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**Mathworks
Tutoring**

“ Mathworks- The Power of Learning Starts Here.”

Dear client parent, school guidance counselor, or other individual with an interest in helping students learn:

About a year ago, a 7th grade tutee coined, “The “Power of Learning Starts Here,” service mark for Mathworks. Although it was just a passing comment made during a tutoring session, the tutee really hit the bulls-eye.

In fact, our tutors, as well as our tutees, are always on a learning curve. Probably not a day passes in which each of our tutors doesn't learn at least one new thing. We try to transfer this modeled behavior to our tutees, ensuring that this “lifelong learning” mantra is what students do throughout their pre-college learning careers.

To further demonstrate learning, this third edition of our Mathworks Newsletter is being sent to you via regular e-mail rather than MailChimp™. After analyzing the distribution of and response through MailChimp™, it became apparent that many of you did not receive the newsletter due to spam blocking. So, we analyzed, learned and then acted to change our system.

Even though this newsletter is published only once every 8 weeks or so, we are very sensitive to spamming and want you to know that you can

Stay Updated

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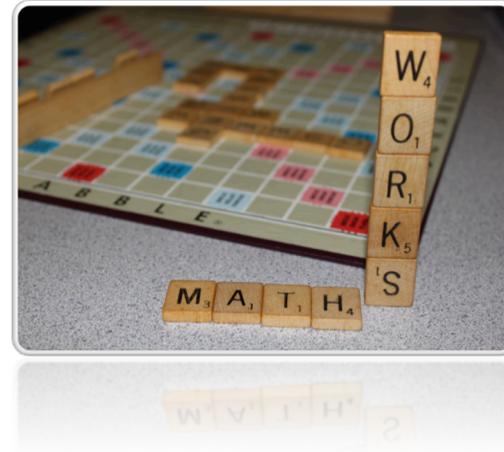
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However, if you like this newsletter, and our approach to learning, then please feel free to let others know about it. You can forward this copy to them or simply suggest that they contact us at info@mathworks-tutoring.com. Rest assured that we will not add any person to our mailing list unless the person requests it.



Sincerely,

H. Michael Mogil and Barbara G. Levine

Online Tutoring is Closer to Fruition...

Work continues on the new online tutoring system that Mathworks will be unveiling soon. This service will be known as MyTutorWorks (MTW) and will provide the same quality, one-on-one, tutoring currently done at the Mathworks Tutoring Center (Naples, FL). The only difference will be distance. The interactive whiteboard and camera-to-camera connectivity will replicate the personal touch used at our Mathworks Tutoring Center. Beta testing is slated to begin in the next few weeks.

Mathworks has already begun the online interviewing process to ensure that a cadre of well-versed math and/or language tutors is in place at launch time. We are still looking for local area teachers (currently working or retired), as well as others who have tutoring skills (eg. college students, scientists, stay-at-home moms), to join this online effort. Tutoring will focus primarily on math, science, statistics and SAT/ACT prep (language, math and science), but could include any subject (even gaming programming – we are currently tutoring a student online in this subject).



For more information about the program, please drop us a note at info@mytutorworks.com. If you know anyone who might be a tutor candidate, please send them our information and encourage them to contact us. Thank you!

Mathworks is much more than just math...

Mathworks Tutoring is the parent organization of How The Weatherworks (HTWW) and MyTutorWorks (MTW). Mathworks Tutoring is the brick and mortar home for the face-to-face tutoring that we do here in Naples, FL. MTW will be our online tutoring presence. HTWW provides a wide range of services including in-school science field trip programs, large venue science experiences, online weather blogs and articles and more. HTWW also runs the Southwest Florida Summer Weather Camp Program. This pair of middle and high school programs is part of a larger National Weather Camp Program (NWCP), which is coordinated by The Learningworks Foundation (our 501-c-3, not-for-profit entity)

National Sky Awareness Week (SAW)

National Sky Awareness Week (SAW) (I will add a link here tomorrow) is coming to a sky near Naples during the week of April 19-25, 2015. This event (now in its 21st year) is designed to showcase the sky, appreciate its natural beauty and understand how the sky (i.e., weather) works. So, try to take a few moments each and every day and/or night that week (and throughout the year) to look up and see what's above you. For more information, please send an e-mail to learning@weatherworks.com



*The US Postal Service issued this set of cloud stamps, entitled "Cloudscapes," in 2004.

Tutor of the Month!



Barbara Levine knew she was going to be a teacher at age 10. When younger family visited, she sat them down and started teaching them. The nice thing was they paid attention!

Barbara attended Wheelock College in Boston, MA where she earned a BS in Early Childhood Education. Years later, she attended Hood College's Graduate school part-time, completing her Master's Degree in math-science elementary education over a five-year period.

During a nearly quarter of a century career, Barbara has taught students in pre-K through 6th grades in both public and private school venues in Montgomery County (MD), Washington (DC) and Collier County (FL). She has been consistently recognized for her effective teaching, including being a [Golden Apple Teacher of Distinction in 2007](#).

Barbara thrives on bringing a multi-disciplinary approach to teaching. For example, when teaching a 3rd grade unit on Asian culture, she began the unit using typhoons to teach the geography, rather than the customary, "let's learn the map" approach. Then she incorporated math (the abacus) and science

(fireworks and rockets) in addition to the usual food and clothing aspects of such lessons.

Barbara currently tutors students at Mathworks

Summer Math Programs

Local area parents, looking for an academic summer learning program, don't have to look far. Mathworks is offering four 10-hour programs during the period Aug. 3 – 14, 2015. These include:

Geometry and Visualization (elementary)	8/3 – 8/7	10am – noon
Critical Thinking and Reasoning Skills (elementary)	8/3 – 8/7	1pm – 3pm
Transition to Middle School Math	8/10 – 8/14	10am – noon
Real-life Thinking and Problem-solving (high school)	8/10 – 8/14	1pm – 3pm

Full program details and registration information will be posted at the Mathworks Tutoring web site within a month.

Price per session is \$139 per student. Families registering two or more students will receive a 10% discount per student.

Enrollment will be capped for each of these programs, so please consider registering early.

Southwest Florida Summer Weather Camps

How the Weatherworks (HTWW), working with the Collier County 4-H program, will be offering a pair of interactive, hands-on, summer weather camp programs in Naples in mid-July. The high school camp (rising 9th to 12th graders) will run from Jul. 13 to Jul. 17 and the middle school camp (rising 6th to 8th graders) will run from Jul. 20 to Jul. 24. Camps will start at 8:30 am and end at 4:30 pm each day. Camps will be held at the 4-H facility on Immokalee Road (about 11 miles east of I-75).



The camp program will obviously be focused on weather and will be targeted to students with a strong math-science interest. The camp will also emphasize cross-disciplinary strategies, involving agriculture, aviation, business, insurance, computer modeling, and more. Students will be involved in daily data collection, photography, team-building skill development, communication and PowerPoint creation and presentations.



Cost for the camps will be \$100 for 4-H member families and \$200 for non-4-H families, plus a small online processing charge. Lunch, daily snacks, water, camp tee-shirts and all supplies and materials are included in the camp cost.

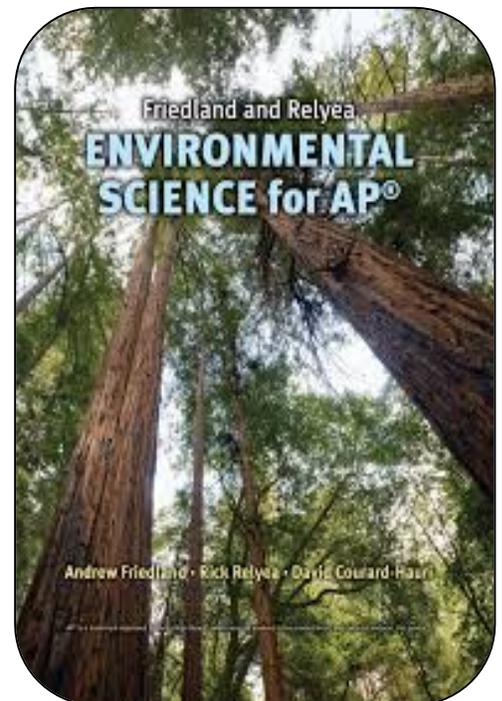
To register for the camp program, visit this [web site](#) to sign up. If you have questions about the camp program, please contact H. Michael Mogil at weathercamp@weatherworks.com. If you have registration questions, please contact Tish Roland at troland@ufl.edu.

The Number of Glaring Textbook Errors Grows

As part of his several recent Collier County School Board testimonies, H. Michael Mogil (one of the business owners) has been reviewing the current Algebra II textbook (Glencoe), a Math For College Readiness textbook (Pearson) and a handout package for fourth-fifth grade students. For each, Mogil's weather background has allowed him to catch some major flaws with the weather-related content material. In the two textbooks, Mogil researched and found that the formulas used to "model" relationships had no basis in fact.

When coupled with remarks made by a Glencoe editor, it is becoming clear that textbook and handout content is falling far short of what one would consider accurate (add link to my Common Core YouTube video here).

Mogil is currently reviewing the AP Environmental Science textbook. So far, he has found that weather, an integral DNA component of environmental studies, is not introduced until page 466 of the textbook. Other DNA components are introduced earlier, but some are still missing completely. All are treated very superficially, given the intent of the AP course.



*<http://www.highschool.bfwpub.com>

Things That Shape Our Lives

In tackling a high school geometry class, many students may not always see the geometry that shapes the world around us. This image of a building in downtown Baltimore, MD is a favorite for getting this point across. Take a few moments on your own (and then with your student) to determine how many different geometric shapes you can find in this building design. In the next issue, we'll provide our answers.



A Lifelong Learning Blog

H. Michael Mogil's Lifelong Learning Blog

A CATALOG OF ONLINE ARTICLES ABOUT WEATHER, MATH, LEARNING, AND MORE

H. Michael Mogil (one of the Mathworks' principals) is a trained meteorologist (well-versed in math, writing and communication skills), who writes frequently online at examiner.com. Almost every one of his articles (weather, math, learning) contains either overt or hidden information on learning about various topics, learning techniques and/or real-world applications.

Each month, we highlight some recent articles that may be of value to you or your student. You can receive notices about all of these learning/education articles by subscribing at [examiner.com](http://www.weatherworks.com/social-media.html), following Mike or Mathworks in the social media world (<http://www.weatherworks.com/social-media.html>) or visiting Mike's Lifelong Learning Blog at <http://www.weatherworks.com/wordpress/>

Here are just a couple of the more recent postings that are specifically focused on tutoring / learning topics:

[What's really important for our children to learn and understand](#)

[A million steps](#)

[Florida CS/HB 7069 has some positives; overall, not a good bill](#)

[A college student's perspective concerning the autism spectrum part II \(authored by Matt Bolton with a Mathworks' forward\)](#)