



Table of Contents:

[Presidential Post](#)

[President-Elect Post](#)

[Scholarship and Grant Opportunity](#)

Otis Allen Criteria

R. C. Roberts Grant

[2011-2012 MSTA Board of Directors](#)

[MSTA on the Internet](#)

[MSTA Membership Form](#)

[Revamping the MSTA Website](#)

[Science Matters April 2014](#)

[ASM Material Education Foundation Camp](#)

[Calling All STEMS Teachers!](#)

[AZA Climate Change Workshops at the Institute for National SeaPerch Challenge](#)

[Base Pair/SOAR/RBI Program Teacher Workshop](#)

[Jackson Audubon is having Bird Camp for Kids](#)

[Joke Corner](#)

[Internet Sources](#)

We've added two new tabs to the MSTA Website, Professional Development and MSTA Reads. Bookmark the link below and check them out.

If you know any professional development opportunities, please email them to me at bdjh99@gmail.com

http://www.ms-scienceteachers.org/msta_website_009.htm
[Professional Development](#) www.ms-scienceteachers.org

2014 MSTA Fall Conference

October 19 & 21, 2014

At the Marriot Hotel in Jackson, MS

For Hotel reservations call: 1-601-969-5100 by September 18, 2013

(Be sure to mention MSTA when you make your reservations.)

The room rate is \$119/night.

Free parking for hotel guests (obtain a parking ticket at the hotel check in) and \$4/day for those driving in for the day

Want to get your MSTA News faster?

Join the [MSTA Listserv](#) and the [Mississippi Science Teachers](#) Facebook page. All of the information in the Internet Resource section of this newsletter was gleaned from these two sources. Go to the instructions on joining the listserv by clicking on the links above.

Presidential Post:

Using Informational Texts in the Classroom: Blending in Common Core

Joan Estapa, a middle school teacher from Bay St. Louis, conducted a session at the 2014 National Science Teachers Association conference in Boston, MA. I was not aware Joan would be there until I received a text from her the night before her session. I went to her session to give her moral support. Imagine being slotted with an 8 a.m. session on a Saturday! I know Joan was expecting between 10-25 teachers to show up. My last count in her session was 85 attendees. There were some at the back that I did not count. They were all interested in her topic: using informational / non-fiction texts. Joan's session was based on the book *The Immortal Life of Henrietta Lacks* by Rebecca Skloot. She explained how she connected this text with Common Core and NGSS standards. I was impressed with the discussion she lead. Joan explained about using the book for discussion, debate, and analysis. The teachers in attendance had great interaction. Some teachers had read the book and were interested in lesson plans to use in class. Some teachers used the text in class and were interested in sharing their strategies. Most had not read the book but wanted to begin using the informational / non-fictional text. As the session progressed other books were mentioned on a variety of grade levels that could be used within classes in order to meet Common Core requirements. After the session, Joan and I were asked about different texts we use. These teachers wanted to know about the books we use and our lessons. This sparked an idea in my mind! Why don't we have these already on our website?!

Planetarium Show
6:00 pm--October 19,
2014

Some informational / non-fiction texts I use in my classes are *The Omnivore Delimma* by Michael Pollan, *Your Inner Fish* by Neil Shubin, *Survival of the Sickest* by Sharon Moalem, *Stiff* by Mary Roach, *Ryan White: My Own Story* by Ryan White, and of course *The Immortal Life of Henrietta Lacks* by Rebecca Skloot. I am interested in non-fiction texts (other than your textbook) that you use

in your classes. What type lessons do you conduct with these texts? I ask that you email me (bsullivan@madison-schools.com) with your grade level, course taught, text titles, authors, and lessons. I want to develop our MSTa site to include a page just for the exchange of non-fiction text lessons. Indicate if you would prefer not to have your name listed as a contributor. Once developed, I will send an invitation to visit our site to other state science teachers organizations so that we can begin conversations between the states. Let's be a leader in this! Instead of "keeping up with the Joneses," let's be the Joneses!

The deadline for nominating a teacher for the Mississippi Outstanding Science Teacher Awards is coming up soon. Please nominate your candidate by May 10, 2010.

Online Form:

<https://docs.google.com/forms/d/16FPrrNE96LjzSpAMLuEfijbdCK2NixeW3SKnzLQ-/viewform>

MSTA Online Registration 2014

MSTA Online Registration! Submit your registration (but not the money) through this form. [Aleta Sullivan](#) will email you your "invoice," which is a document made from your submitted form. Please note: You are not TRULY registered until the funds are received.

<http://goo.gl/5c5V9m>

MSTA registration video instructions

Using the online registration form

(Aleta Says don't laugh too hard.)

As Common Core requires the use of non-fiction texts, I think that this would benefit not only science teachers, but also it would be beneficial to English/language arts teachers. This is a fantastic opportunity to work with the English / language arts teachers in your school to develop cross-curricular lessons. Those that already have this relationship establish know that once you begin, you build a better schools and students begin to see that all their courses are connected. It starts with a conversation. Take the time to discuss this with other teachers within your school and district.

Sincerely, *Betsy Sullivan, President*

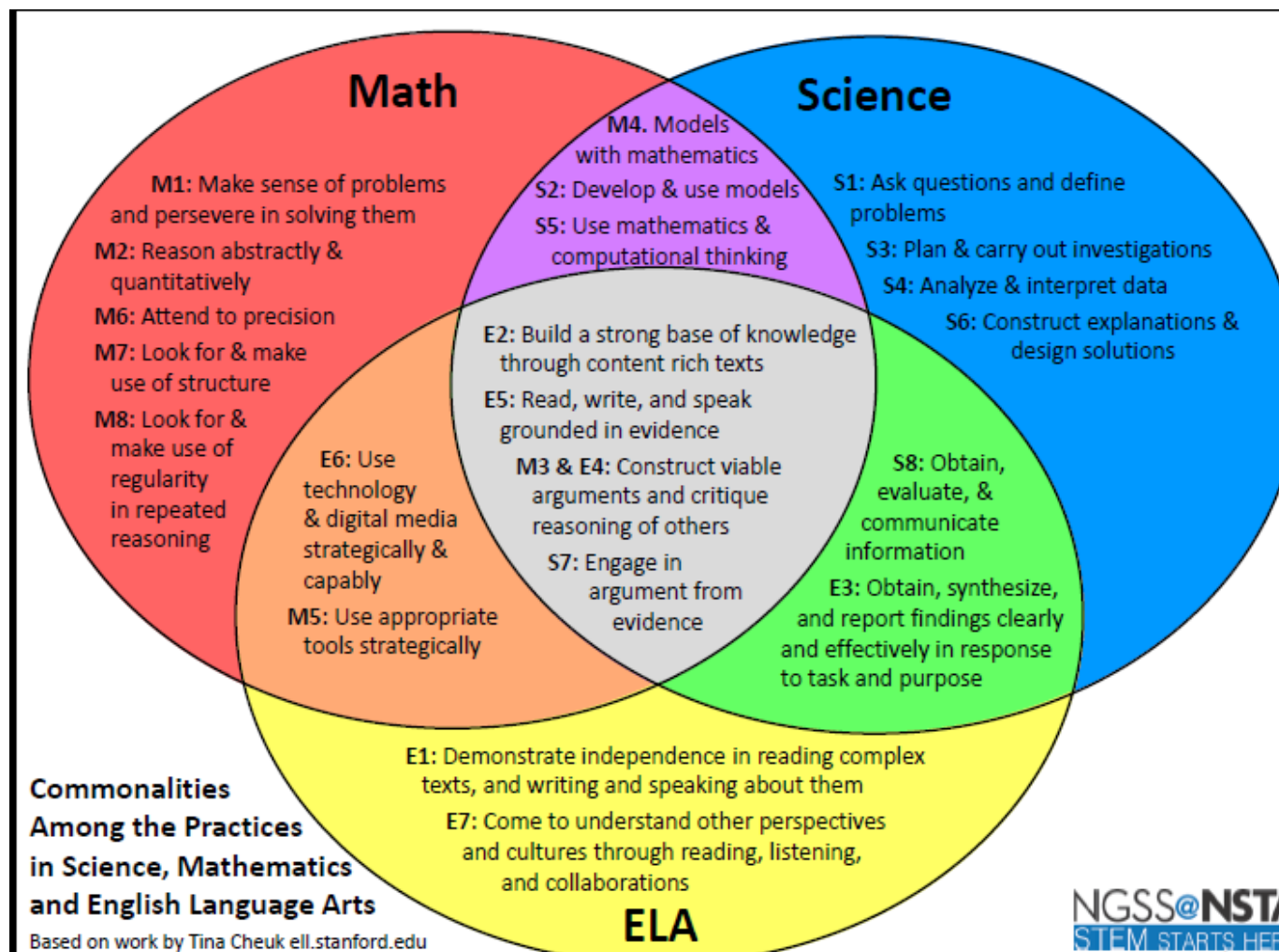
President Elect Post:

Dear Science Teachers,

Earlier this month, I attended the National Science Teachers Conference. Connecting with friends and meeting new friends is always a pleasure. Plan now to attend a national conference-next year, the conference will be in Chicago, and the 2016 conference will be in Nashville.

Next Generation Science Standards and STEM were both emphasized at the conference. “In April 2013, the science education community welcomed *Next Generation Science Standards* (NGSS). The voluntary standards describe important scientific ideas and practices that all students should learn by the time they leave the 12th grade. The standards integrate three important dimensions—science and engineering practices, disciplinary core ideas, and crosscutting concepts—effectively build science concepts from kindergarten through 12th grade, and integrate important concepts of engineering. The *Next Generation Science Standards* establish learning goals in science that will give all students the skills and knowledge they need to be informed citizens, college ready, and prepared for careers.” (from NSTA website, About the Next Generation Science Standards: <http://ngss.nsta.org/about-the-next-generation-science-standards-2/>)

NGSS presented by age groups/subjects can be accessed at this link, a part of the NSTA website: <http://standards.nsta.org/Standards/AccessStandardsByTopic.aspx>



(<http://nstahosted.org/pdfs/ngss/PracticesVennDiagramColor.pdf>)

This Venn diagram illustrates how interconnected NGSS are with Common Core Standards for Mathematics and English Language Arts. As science teachers, most of us are already doing the common practices that NGSS stresses.

NSTA has a STEM website available with a free newsletter for teachers. You may visit archived copies and sign up for the free newsletter at: <http://www.nsta.org/publications/archive-stem.aspx>

Mark your calendar for MS Science Teachers' Convention, OCTOBER 19-21, 2014.

Thank you for being a teacher—and more importantly a science teacher. We are teaching the future health care workers, engineers, and scientist! Thank you for building strong foundations and encouraging our students as they “do” science.

Sincerely, Ann Huber *President Elect*

Revamping the MSTA Website: www.ms-scienceteachers.org/

We are having changes on the website! After an email discussion with the executive board and Brandi, we will have 2 new tabs on the site: Professional Develop opportunities and MSTA Reads...

Going by requests recently on our Facebook page, we have teachers seeking PD opportunities. If you know of opportunities around the state or nationally, please forward the information to Brandi with the subject as PD.

MSTA Reads: When in Boston at the NSTA conference, I attended a session presented by Joan Estapa (Bay St. Louis) on using informational text in the classroom (think Common Core requirements). At a Saturday 8 am session, she had over 80 people clamoring for more titles and lessons. If this is happening nationally, I know its happening here in MS. If you use a book other than the issued text book, send the title and author to Brandi along with a brief description of how you implement the book in your lesson. In the subject line, write MSTA Reads.

You can contribute to the resources by emailing Brandi Herrington at bdjh99@gmail.com



Scholarship and Grant Opportunity Otis Allen Criteria

1. Request a scholarship application (national or regional) from the scholarship chairperson).
 2. Requests must be received two months prior to the national convention or regional meeting to be attended.
 3. A person may receive a scholarship once in three to five years.
 4. Earliest application received will receive first consideration.
 5. Each recipient will receive scholarship monies as partial expense reimbursement after submitting a copy of their registration and a letter signed by his/her principal stating that the recipient attended the meeting.
- To request a scholarship application, contact the chairman of the scholarship committee. Send the request to the following: Dr. John Ammons, 209 E. Gresham St., Indianola, MS 38751, Email: jammons@msdelta.edu or jammons53@hotmail.com

R. C. Roberts Grant Form

The R. C. Roberts Fund was initiated to honor Mr. Roberts, a long-time science supervisor in the Mississippi Department of Education and assist teachers in developing outdoor classrooms, nature centers, or nature trails at their respective schools. Maximum funding that can be obtained by one teacher from one school at a particular time is \$100. Applications for funding must show that additional funds from sources other than R. C. Roberts have been obtained to support the proposed project. This may be “in kind” support as well as

monetary. Individuals who receive support from the R. C. Roberts Funds may apply for additional funding provided a period of three years has elapsed since the original funding was granted.

Guidelines for the R. C. Roberts Fund

Individuals interested in applying for funding should get an application form the Newsletter or request an application form from the Executive Officer or President of the Mississippi Science Teachers' Association. The completed application must be attached to the proposal and returned to the Executive Officer. The Executive Officer will assemble a committee of at least three individuals involved in science education who will examine the proposal and recommend funding status. The decision of the review committee to fund or reject the proposal is final.

R. C. Roberts Grant Form

Name: _____

School: _____

School Address: _____

Phone: _____

Principal: _____

1. How long have you been at the school? _____

2. What do you plan to do with the money? _____

3. List the materials and cost of supplies for this project. _____

4. Where is this project located in relationship to the school? _____

5. Do you have the support of the principal? _____ other teachers? _____

If so, name/s. _____

6. What kind of monetary or "in kind" support do you have? List. If "in kind" support is provided, estimate its monetary value. _____

Complete the grant form and attach the proposal and return to: Bess Moffatt, MSTA Executive Officer, 1510 Oldfield Road, Gautier, MS 39553



April 2014

Here are your science education resources and announcements for April 2014 provided by the Science Matters Network. Please forward them on to other science educators in your school and/or school district.

Table of Contents

- [Speak Up 2013 Findings Show Growth in Flipped Classroom Implementation and Interest](#)
- [National Academy of Sciences Releases New Report That Examines Current Efforts to Connect the STEM Disciplines in K–12 Education](#)
- [Illinois Becomes 11th State \(+ D.C.\) to Adopt the Next Generation Science Standards](#)
- [Teacher Education, Professional Development, and Grant and Award Opportunities](#)
 - NBA Green “Reimagination!” Program
 - Lowe’s Toolbox for Education Grant Program
 - Association of American Educators Classroom Grants
 - Maley/FTEE Technology and Engineering Teacher Scholarship
 - The National Teacher Hall of Fame Lifetime Achievement Award
 - N-Visioning a Brighter Future Grant Program
- [Teacher Resources](#)
 - Newsela.com
 - The Making Stuff Activity Guide
 - Curious George STEM Collection
 - Tablet-Friendly STEM Resources—Middle to College
- [Student Competitions and Resources](#)
 - NASA Exploration Design Challenge
 - Q?rius Learning Lab
- [What is Science Matters?](#)
- [We Want to Hear from You](#)

Speak Up 2013 Findings Show Growth in Flipped Classroom Implementation and Interest

A quarter of administrators identified flipped learning as having a significant impact on transforming teaching and learning in their school district, surpassing other digital learning trends such as educational games and mobile apps (21 percent) and even online professional learning communities for teachers and administrators (19 percent), according to new findings from [Speak Up 2013 National Research Project Findings: A Second Year Review of Flipped Learning](#).

Other key findings from Speak Up 2013 include:

- One out of six math and science teachers are implementing a flipped learning model using videos that they have created or sourced online.
- 16 percent of teachers say they are regularly creating videos of their lessons or lectures to students to watch.
- While, almost one-fifth of current teachers have “learning how to flip my classroom” on their wish list for professional development this year, 41 percent of administrators say pre-service teachers should learn how to set up a flipped learning class model before getting a teaching credential.
- 66 percent of principals said pre-service teachers should learn how to create and use videos and other digital media within their teacher preparation programs.
- 75 percent of middle and high school students agree that flipped learning would be a good way for them to learn, with 32 percent of those students strongly agreeing with that idea.

[\(back to top\)](#)

National Academy of Sciences Releases New Report That Examines Current Efforts to Connect the STEM Disciplines in K–12 Education

A new report, *STEM Integration in K–12 Education*, released this month by the National Academy of Sciences, identifies existing approaches to integrated STEM education, both in formal and after-and out-of-school settings. The report reviews the evidence for the impact of integrated approaches on various student outcomes, and it proposes a set of priority research questions to advance the understanding of integrated STEM education. The report also offers a framework to provide a common perspective and vocabulary for researchers, practitioners, and other to identify and discuss specific STEM initiative within the K–12 education system. Check out the report [here](#).

[\(back to top\)](#)

Illinois Becomes 11th State (+ D.C.) to Adopt the Next Generation Science Standards

Illinois has officially adopted the *Next Generation Science Standards*. The state board of education voted in January to adopt the new standards, but was awaiting legislative confirmation. According to an *Education Week* blog, the Illinois Joint Committee on Administrative Rules has “no objection” to the adoption.

Read the *Education Week* blog [here](#). For resources, tools and support to help explore, learn, and implement the *Next Generation Science Standards*, visit the [NGSS@NSTA Hub](#).

[\(back to top\)](#)

Teacher Education, Professional Development, and Grant and Award Opportunities

NBA Green “Reimagination!” Program

Help kids have fun learning about the 3 R’s with this free, STEM-friendly program. It encourages kids, schools, parents, and youth organizations to participate in the NBA Green Week initiative by reducing, reusing, and recycling old and discarded items to come up with something wonderful and new. The program is flexible: You can do it in less than an hour or spread it out over several days, and it can be completed any time before April 22 (Earth Day). Here’s what to do:

1. Collect reusable, recyclable materials.
2. Have kids create something new.
3. Upload classroom/group photos featuring kids’ treasures!

Click [here](#) for more information.

Lowe’s Toolbox for Education Grant Program

Lowe’s Charitable and Educational Foundation will donate \$5 million to schools and school parent-teacher groups at more than 1,000 different schools during the school year. Grant applicants may request between \$2,000 and \$5,000 per school. Once 1,500 applications are received, the application process will be closed and the “Apply Now” button will no longer appear on the website. The program has two grant cycles in a school year: Spring (February 15) and Fall (October 15).

Click [here](#) for more information.

Association of American Educators Classroom Grants

These grants (average amount: \$500) can be used for a variety of projects and materials, including but not limited to books, software, calculators, math manipulatives, art supplies, audiovisual equipment, and lab materials. Classroom grants are available to all educators who have not received a scholarship or grant from the association in the last 18 months.

Application deadlines are October 1 and March 1. Click [here](#) for more information.

Maley/FTEE Technology and Engineering Teacher Scholarship

The Foundation for Technology and Engineering Educators is sponsoring the \$1,000 scholarship. Its purpose is to support teachers in their preparation to increase the positive outcomes of technology and engineering education. Criteria include: (1) evidence of teaching success, (2) plans for action research, (3) recommendations, (4) plans for professional development, and (5) the applicant’s need. Applicant must be a technology and engineering teacher at any grade level who is beginning or continuing graduate study. For more information, click [here](#).

The National Teacher Hall of Fame Lifetime Achievement Award

This award is for career U.S. educators who may or may not qualify for consideration as an inductee and will provide recognition for individuals involved directly or indirectly with education for their significant contributions to in support of PreK–12 teachers and the teaching profession.

Generally, selection will be based on contributions made over a career or an extended period. Occasionally, however, the selection may be based upon a single incident or activity. Nominations for the award may be made by any person. The Award is an etched crystal optical tower and will normally be presented in Emporia during Hall of Fame Weekend or in Washington, D.C., during Hall of Fame ceremonies there. Click [here](#) for more information.

N-Visioning a Brighter Future Grant Program

Sponsored by Westinghouse, the program awards grants to U.S. K–12 schools that want their students to learn more about science, technology, engineering, or mathematics (STEM) through a hands-on project. Three schools will be awarded grants of \$3,000—\$1,000 to complete their projects and \$2,000 for the schools' science department needs—for any creative project dealing with STEM. Preference will go to projects that involve students directly, incorporate community resources, or use interdisciplinary or team-teaching strategies. Click [here](#) for more information.

[\(back to top\)](#)

Teacher Resources

Newsela.com

At newsela.com, middle and high school teachers can access current news stories that can be modified for multiple reading levels from fourth grade to college. The stories are organized by category (e.g., War and Peace, Science, Kids, Money, Law, Health, and Arts) and can be incorporated into lessons on almost anything—from stink bugs to sugary drinks to archaeological finds in Seattle. One benefit of using multiple versions of a story at varying text difficulty levels is that students don't know they are reading an "easier" text, so teachers can discuss the issue with the whole class, leading to richer, more participatory student conversations.

The Making Stuff Activity Guide

The [guide](#) contains four materials science activities for after-school programs or other settings. The hour-long activities are geared for students in grades 4–6 and their families and focus on the science behind making materials stronger (e.g., Spoon Drop Strength Test), smaller (e.g., Magnetic Microbot Models), cleaner (e.g., Build a Cleaner Battery), and smarter (e.g., Smart Glove). In addition, educators can access related video clips that show cutting-edge developments in materials science that pertain to each activity.

Curious George STEM Collection

Let young students (grades preK–1) explore STEM concepts with a loveable, mischievous monkey. PBS Learning Media's early childhood science television series Curious George has [educational resources](#) including teaching tips, activities, and videos that introduce STEM concepts, such as stability, inclines, and recycling/reuse. In addition, teachers can access age-appropriate whiteboard activities that develop skills such as observation, counting and estimation, and reading a graph to interpret data.

Tablet-Friendly STEM Resources—Middle to College

Looking for science, technology, engineering, and mathematics (STEM) activities for iPads and other tablets? The Concord Consortium offers a [collection of tablet-friendly models](#) exploring physics, chemistry, biology, math, and Earth and space science concepts. The models are appropriate for use in middle level to college classrooms. Many concepts are interdisciplinary, so the models appear in multiple discipline categories. Selected titles include Intermolecular Attractions and States of Matter; Diffusion of a Drop; Sunlight, Infrared, CO₂, and the Ground; and Metal Forces.

[\(back to top\)](#)

Student Competitions and Resources

NASA Exploration Design Challenge

K–12 students will have the opportunity to play a unique role in the future of human spaceflight through participation. NASA EDC invites students around the world to think and act like scientists to overcome one of the major hurdles of deep space long-duration exploration: the dangers associated with space radiation. Students will discover how to plan and design improved radiation shielding aboard the Orion Multi-Purpose Crew Vehicle, currently being developed to carry astronauts to space. Through a series of science, technology, engineering and mathematics engagement activities, K-8 students will analyze different materials that simulate space radiation shielding and recommend materials that best block radiation and protect astronauts. Students in grades 9-12 will think and act like engineers as they apply what they learn to design shielding to protect a sensor on the Orion crew module from space radiation.

After a review of the design solutions submitted by teams in the grades 9-12 challenge, five finalist teams will be selected and matched with a mentor from NASA to test their designs in a virtual simulator. The winning team will build a prototype radiation shield that will be analyzed and submitted to Lockheed Martin for flight certification on the inaugural flight of the Orion Exploration Flight Test. The five U.S. finalist teams from the grades 9-12 challenge will be invited to attend the EFT-1 launch, currently scheduled for November 2014. The names of all K–12 students will fly aboard the spacecraft as honorary virtual crewmembers for Orion's first flight. The deadline to register students for the virtual crew is June 30, 2014.

Click [here](#) for more information.

Q?rius Learning Lab

Q?rius (pronounced "curious") is an interactive science education space for tweens and teens (students in grades 6–12) at the Smithsonian National Museum of Natural History. In the Learning Lab, school groups and other visitors participate in natural history investigations led by museum educators on topics such as forensic anthropology and coral reef biodiversity. Students and teachers who can't visit the museum can participate in Q?rius activities online. In addition to activities, the website features science articles and a database of 6,000 collection objects in categories such as human origins, mammals, and fossils. Students can conduct self-guided online investigations on coral reefs and Mars; create a digital field book and save photos, videos, collection objects, and notes; participate in live webcasts with museum scientists; and watch videos of

scientists explaining their work, motivations, and passions. Check out [Q&A](#) here.

[\(back to top\)](#)

What Is Science Matters?

Science Matters is an initiative by the National Science Teachers Association (NSTA) to bring content, news, and information that supports quality science education to parents and teachers nationwide.

Science Matters, sponsored by the ExxonMobil Foundation and Shell Oil Company, builds on the success of the Building a Presence for Science program, first launched in 1997 as an e-networking initiative to assist teachers of science with professional development opportunities. Building a Presence for Science—now Science Matters—reaches readers in 34 states and the District of Columbia.

Why does Science Matter? Science is critical to understanding the world around us. Most Americans feel that they received a good education and that their children will as well. Unfortunately, not many are aware that international tests show that American students are simply not performing well in science when compared to students in other countries. Many students (and their parents!) believe that science is irrelevant to their lives.

Innovation leads to new products and processes that sustain our economy, and this innovation depends on a solid knowledge base in science, math, and engineering. All jobs of the future will require a basic understanding of math and science. The most recent ten year employment projections by the U.S. Labor Department show that of the 20 fastest growing occupations projected for 2014, 15 of them require significant mathematics or science preparation to successfully compete for a job.

This is why Science Matters. Quality learning experiences in the sciences—starting at an early age—are critical to science literacy and our future workforce. Feel free to publish this information in school newsletters and bulletins, and share it with other parents, teachers, and administrators.

[\(back to top\)](#)

We Want to Hear from You

Do have a story idea or announcement that you think we should consider? Do you have a suggestion for how we can make this newsletter better? Let us know what you think. E-mail us your suggestions and feedback at sciencematters@nsta.org. We look forward to hearing from you!

[\(back to top\)](#)

Visit the [NSTA Science Store](#) for Science Matters shirts, pins, and more!

The ASM Materials Education Foundation has proudly offered a free workshop for science/math teachers in Mississippi and across the US over the past few years. Materials Camp® is being offered again in 2014 for all Mississippi teachers seeking CEU's and continuing education credits. The primary principles of the ASM Materials Camp for teachers focuses on enriching, stimulating, and enhancing the technical competence and teaching skills of high school and middle school STEM teachers.

<http://www.asminternational.org/foundation/teachers/teacher-material-camps>

[Teacher Materials Camps](#)

www.asminternational.org

ASM Teachers Camps are idea-generating workshops that show educators new ways to make teaching math ...

Calling All STEM Teachers! ASM MATERIALS CAMP® 2014

Locations in Mississippi

§ June 2-6, 2014 – Meridian, MS (Meridian High School)

§ July 14-18, 2014 – Hattiesburg, MS (University of Southern Mississippi)

§ July 21-25, 2014 – Oxford, MS (University of Mississippi)

Over 40 other locations throughout the U.S. & Canada!

Check locations and register online:

<http://www.umcmse.com/outreach/asm-teachers-materials-camp/>

Who should attend?

§ High school general science, chemistry, physics, math and technology teachers

§ Middle school physical science teachers

Why attend?

§ Learn how to engage your students using simple, low-cost experiments that you can integrate into your existing lesson plans

§ Help your students discover career opportunities in science and engineering

“I loved it! Not only was it extremely informative, it was FUN! I honestly can't wait till I can share my experience with other teachers at my school and the new lab material information with my students.”

Heather Dickey, Independence High School, Oxford Teachers

AZA Climate Change Workshops at the Institute for Marine Mammal Studies

April 4-5, 2014 and June 6-7, 2014

Hello!

These two, 2014 workshops will be implemented on Friday, April 4 from 5 p.m.-8:00 p.m. and 8:30 a.m.-3:30 p.m. on Saturday, April 5 as well as Friday, June 6 and Saturday June 7 at the Institute for Marine Mammal Studies-Center for Marine Education and Research (IMMS-CMER) in Gulfport, MS.

During these two, one- and a half day Workshops, formal/informal educators will hear from experts on two of the following topics: ocean acidification, sea level rise, greenhouse gases, or ozone depletion. Educators will also participate in a hands-on activity following the presentations which they may choose to use in their classroom.

A \$100 stipend is available to the first 20 registrants. Continuing Education Units (CEUs) will be offered; however, these CEU costs must be paid by the participant and/or his/her school district. Certificates of Participation will also be provided to each formal/informal educator. Participants will be required to respond to pre- and posttests and a Likert-scale evaluation for stipend eligibility. These tests/evaluations must be completed in order to receive the stipend. Educators will also be directed toward additional curricular resources and information related to Climate Change activities, as well as the Ocean and Climate Defender website (www.OceanAndClimateDefender.com). This is an interactive game for use with the general public or precollege students.

The deadline for registration is Friday, March 28 for the April Workshop and Friday, May 30 for the June Workshop. For more registration information contact: Melissa Welsh at [228-896-9182 ext. 1767](tel:228-896-9182) or mwelsh@imms.org.

Please find the registration form for the April workshop attached to this email.

Thank you and have a great day!

Melissa Welsh, Marine Education Specialist, Institute for Marine Mammal Studies-Center for Marine Education and Research, Mailing Address: P. O. Box 207, Gulfport, MS 39502

Physical Address: 10801 Dolphin Ln., Gulfport, MS 39503

Email Address: mwelsh@imms.org

Phone: [228-896-9182](tel:228-896-9182)

Fax: [228-701-1771](tel:228-701-1771)

Website: www.imms.org

The Institute for Marine Mammal Studies

www.imms.org

Dedicated to the understanding of marine life through research, education, conservation and innovati...

National SeaPerch Challenge

The **National SeaPerch Challenge** will be held at USM on the Hattiesburg campus **Saturday May 17**. Over 1,700 middle and high schools students along with their coaches and parents from the U.S. and Puerto Rico will arrive on Friday, May 16 to compete on Saturday in two water events and one research event. The students will experience life as a college student during their time at Southern Miss. They will stay in the dorms and eat in the student union using their room keys just like Southern Miss students. It is a perfect opportunity to recruit the best and brightest students to Southern Miss.

Please consider helping or passing on this message. Please sign-up at the volunteer website – even if you are unsure exactly how many hours you can offer.

National SeaPerch Website: www.seaperch.org

Please register to volunteer: <https://www.regonline.com/builder/site/Default.aspx?EventID=1515837>

Base Pair/SOAR/RBI Program Teacher Workshop

JPS has the announcement, flyer and application for the summer program on their website under the teacher's page/announcements and intranet.

http://www.umc.edu/Education/Academic_Affairs/Outreach_Programs/Base_Pair/SRI.aspx

My name is also a link to my e-mail address which is gahowell2@umc.edu <<mailto:gahowell2@umc.edu>>

Base Pair/SOAR/RBI Program Teacher Workshop

The Base Pair/SOAR/RBI program will offer a professional development workshop <http://www.umc.edu/Education/Academic_Affairs/Outreach_Programs/Base_Pair/SRI.aspx%20> for middle and high school science teachers. St. Andrew's Episcopal School-North Campus will host the event with funding through a generous grant from the Community Trust Fund of the Community Foundation of Greater Jackson. Workshop topics will cover biotechnology, use of probeware, and forensics. The workshop is scheduled for June 23-27, 2014. A \$425 stipend will be paid to those who are accepted and attend. The application deadline is May 31, 2014, or until slots are filled. For more information, e-mail Gail Howell <<mailto:gahowell2@umc.edu>> or call [\(601\) 815-1269](tel:6018151269)

Please ask that the above paragraph with the links be placed on your school's website. Also pass this along to whoever is over the science department or let me know if your school district has such an employee and I will contact him. Or you can use this to send to someone you know is interested in participating this summer.

Jackson Audubon is having Bird Camp for kids again at Millsaps Enrichment series in June. We have 4 scholarships for \$110 each avail for students to apply for. Please share this with your students, especially those within the Jackson area. Interested in more information? Contact:

Mary Stripling

Museum Librarian, Retired

Mississippi Museum of Natural Science

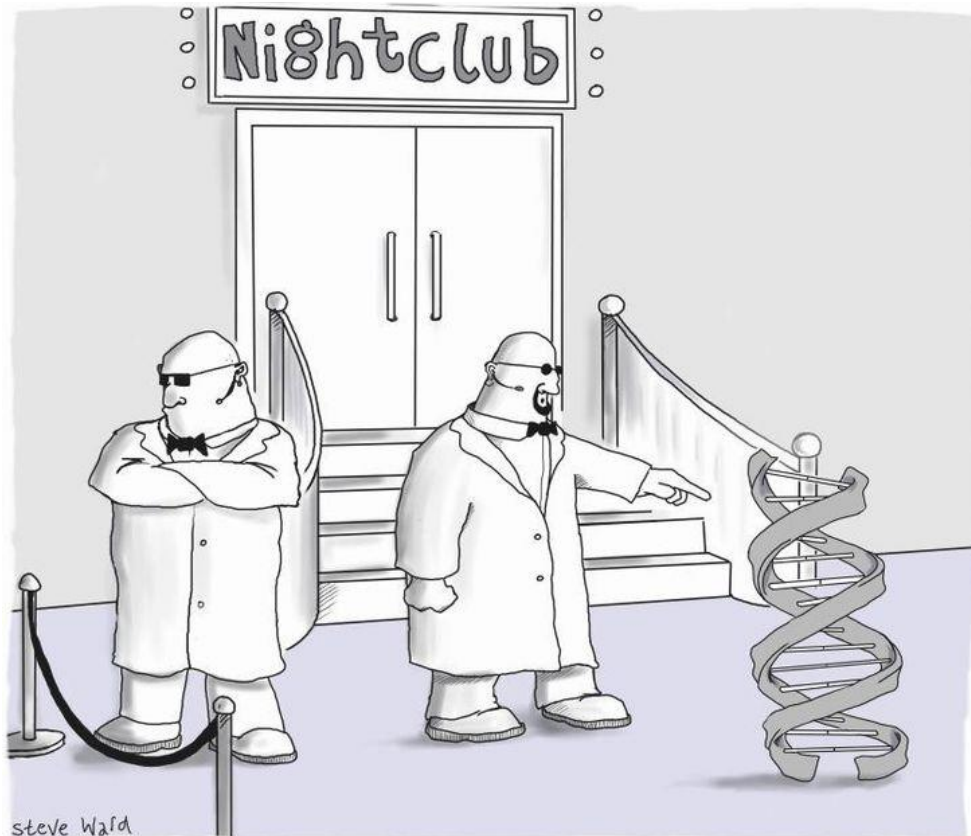
2148 Riverside Drive

Jackson, MS 39202

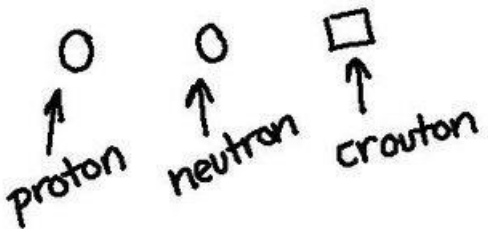
Library@mmns.state.ms.us

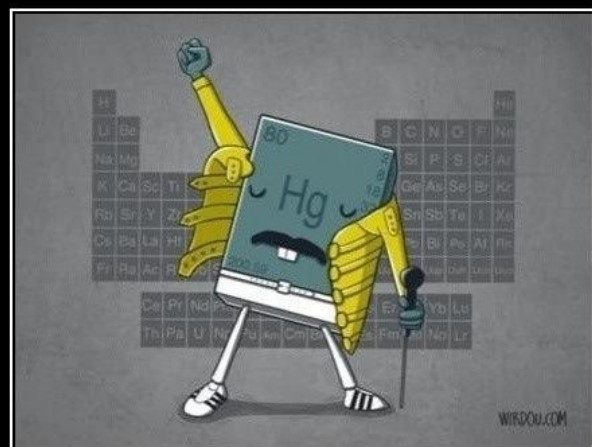
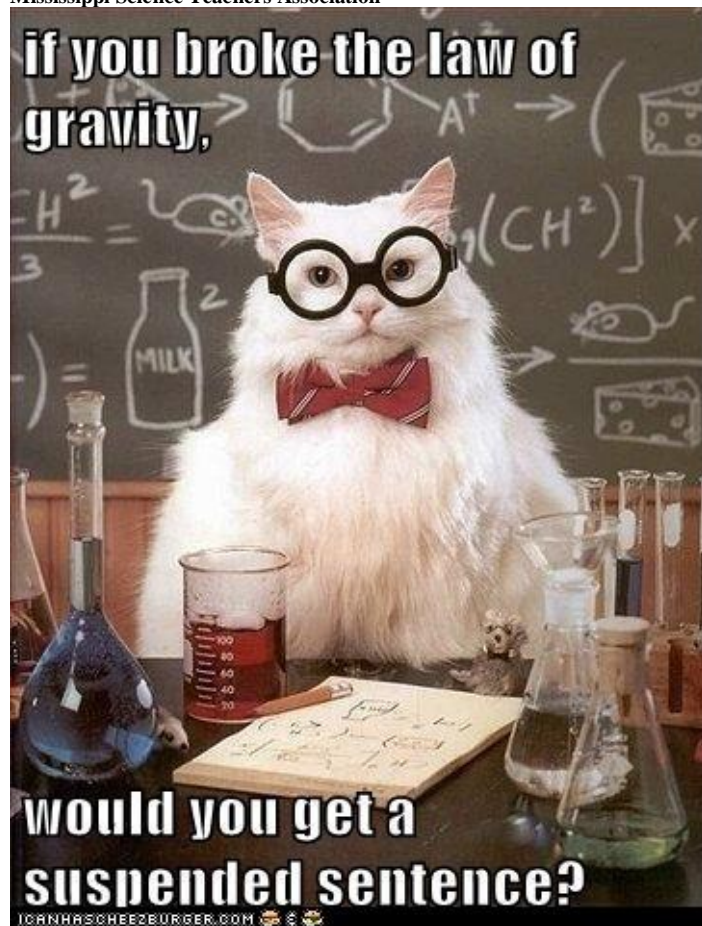
>Stevenswaterbird@bellsouth.net

Joke Corner:

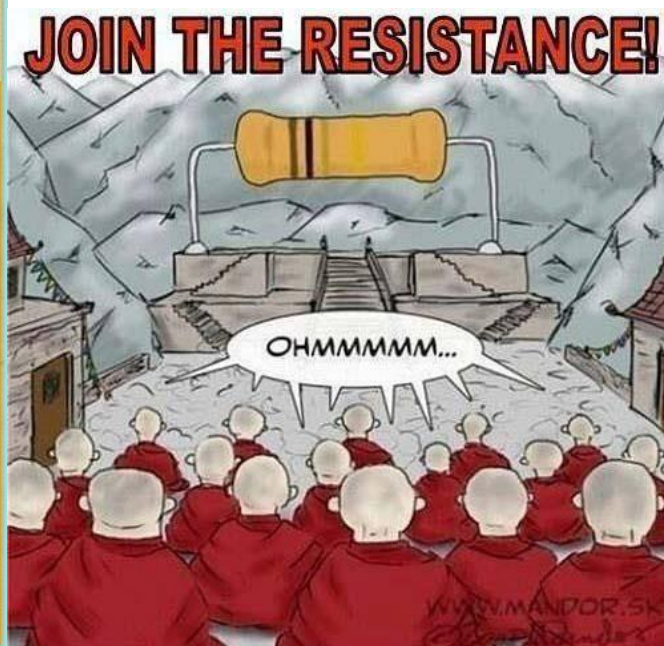
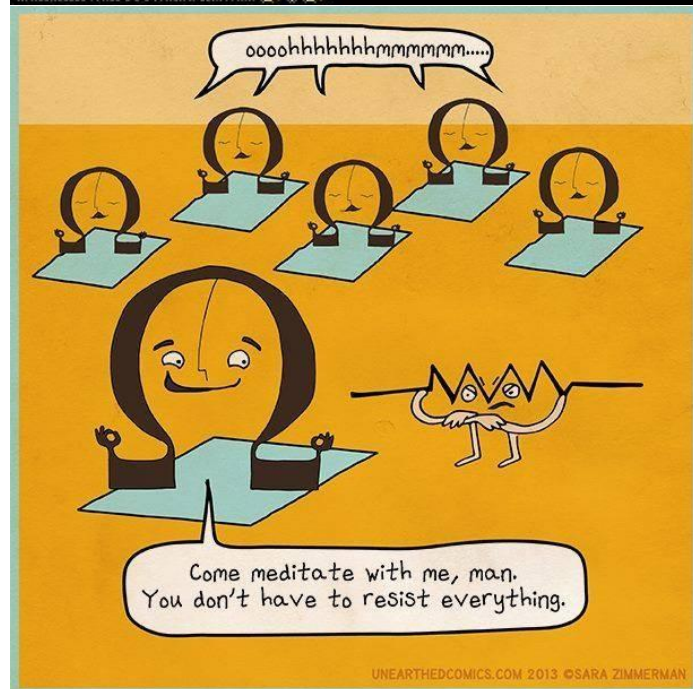


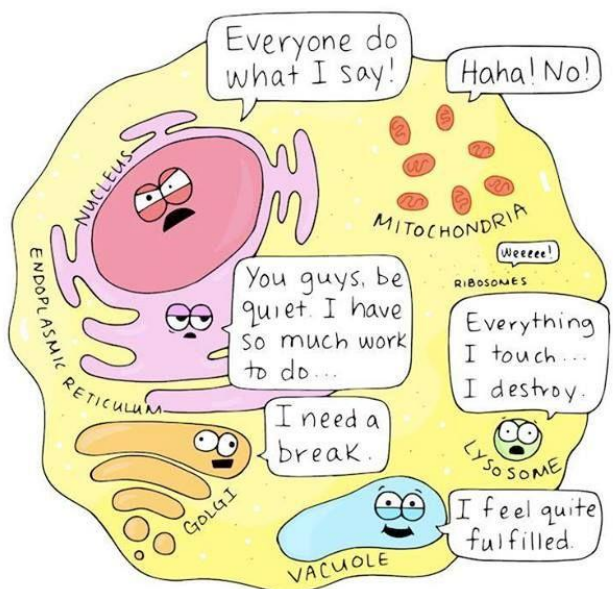
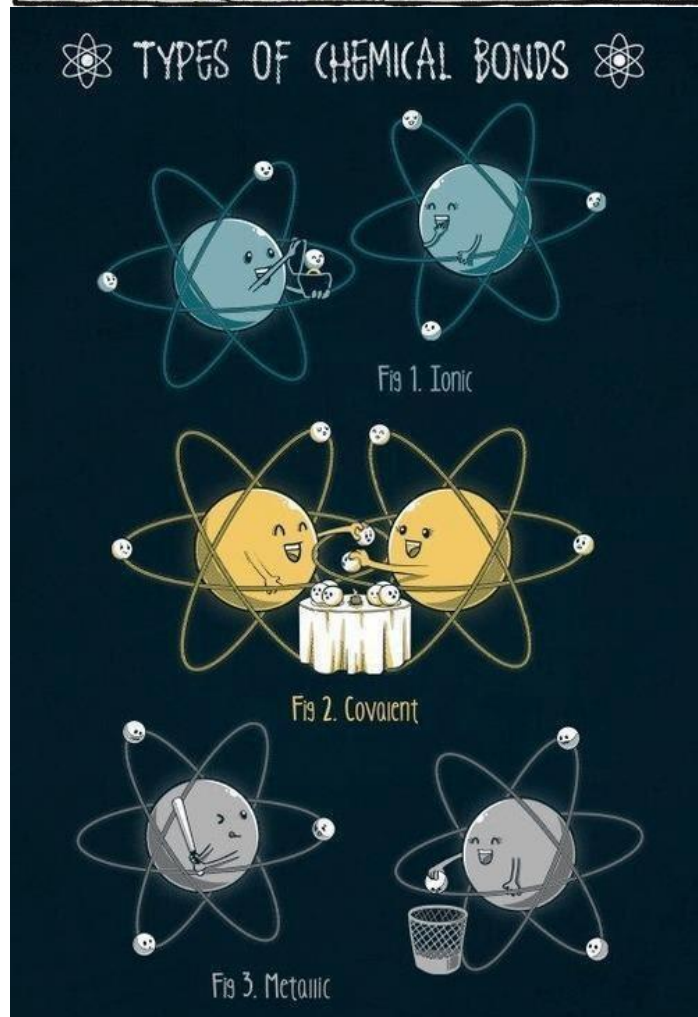
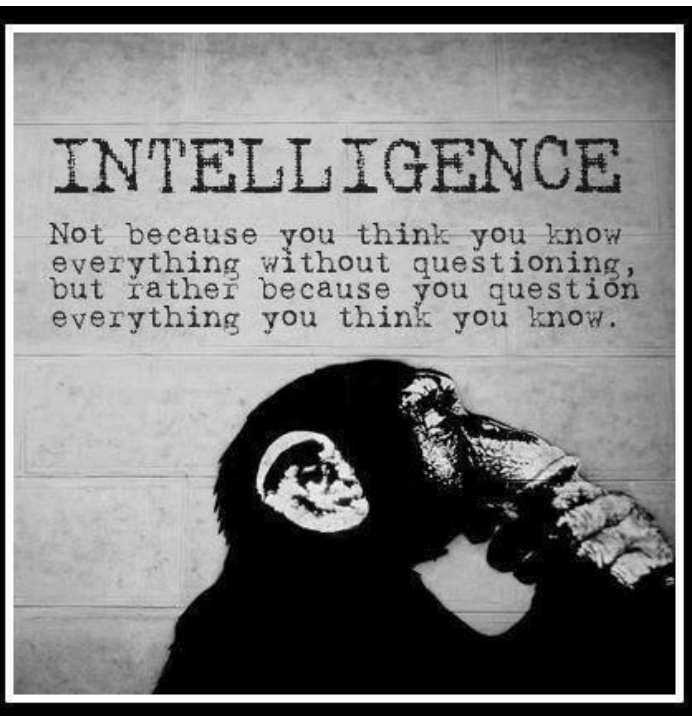
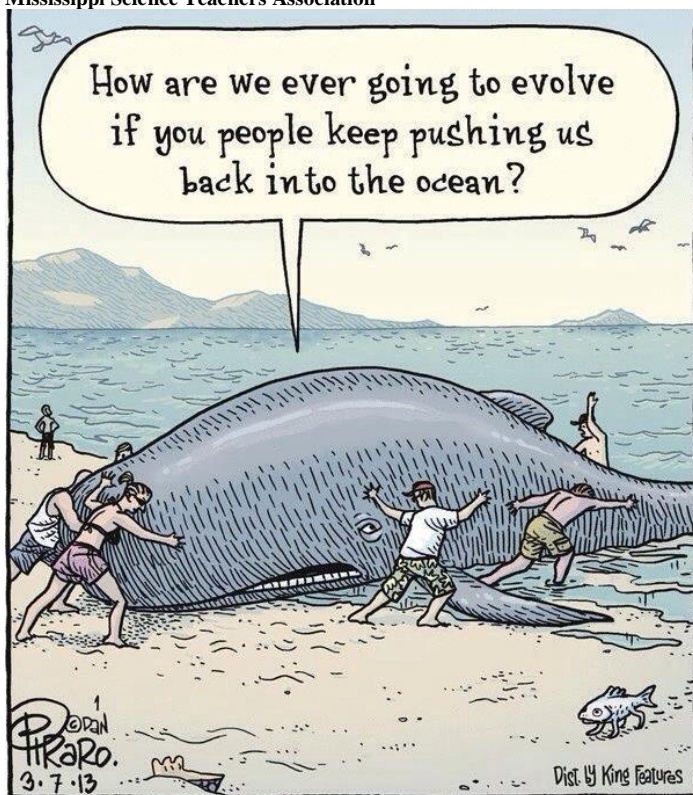
"Sorry mate...no Genes"





Freddie Mercury





If organelles could talk.

Beatrice the Biologist

MSTA CONVENTION ADVANCE REGISTRATION FORM**2014 MSTa Annual Convention October 19-21, 2014****Marriott Jackson, Jackson, MS****IMPORTANT NOTES:**

- Each person attending the annual convention must complete a separate form.
 - Spouses must file separate forms.
 - Convention attendees must wear their nametag to gain admission to all convention activities.
 - **Early Bird Advanced registration deadline is Wednesday, October 1, 2014 (applications MUST be postmarked by October 8th for early-bird "free" t-shirt).**
 - **Continued Advanced registration (no t-shirt) can be made through October 11 (postmarked date).**
 - **For hotel reservations:** Marriott Hotel-Jackson, Mississippi (Phone: 601-969-5100)
- Cut-off-date for rooms is September 18, 2014)**

<p>1. REGISTRATION INFORMATION (PLEASE PRINT)</p> <p>Name _____</p> <p>_____</p> <p>School/Organization (for convention badge)</p> <p>PROFESSIONAL ADDRESS</p> <p>Address _____</p> <p>City/State/Zip _____</p> <p>School Phone _____</p> <p>Grade(s) and/or subjects that you teach:</p> <p>_____</p> <p>_____</p> <p>HOME ADDRESS</p> <p>Address _____</p> <p>City/State/Zip _____</p> <p>_____</p> <p>Home Phone: (____) _____</p> <p>E-mail Address please print carefully: (If you have a personal email address you may want to use it so if you change schools your newsletters and communications will follow you.)</p> <p>_____</p> <p>_____</p> <p>* On-site registration fees will be \$5.00 higher and does not include T-shirt.</p> <p>** Teachers who are also part-time graduate students must register at the Member/Nonmember rate.</p> <p>Send completed form and payment to:</p> <p>MSTA - Aleta Sullivan, Registrar</p> <p>PO Box 588</p> <p>Poplarville, MS 39470</p> <p>email: aleta@peoplepc.com and I will let you know by email when I receive your registration</p>	<p>2. REGISTRATION FEES*</p> <p>Full Program (Mon. & Tues.) Rates</p> <p>___ Member/Non-member \$70.00</p> <p>___ Undergraduate/Graduate Student \$25.00</p> <p>___ Non-teaching Family/Guest/Spouse \$35.00</p> <p>These Include the Awards Luncheon on Tuesday.</p> <p>___ OR ___ Daily Admission: [Check the day(s)]</p> <p>Monday, October 20 only:</p> <p>___ Member/Non-member \$40.00</p> <p>___ Full-time Undergraduate/Graduate Student \$15.00</p> <p>___ Non-teaching Family/Guest/Spouse \$20.00</p> <p>Tuesday, October 21 only:</p> <p>___ Member/Nonmember \$70.00</p> <p>___ Full-time Undergraduate/Graduate Student \$25.00</p> <p>___ Non-teaching Family/Guest/Spouse \$35.00</p> <p>The Tuesday registration fee includes admission to the Awards luncheon.</p> <p>Total Payment \$ _____</p> <p>Make checks payable to MSTa</p> <p>Early Bird Advanced Registration fee includes T-shirt. MUST be postmarked by 10/08/2014.</p> <p>No registration refunds for registrations after 9/26/2014</p> <p>T-shirt size: _____</p> <p>_____</p> <p>FOR OFFICIAL USE ONLY</p> <p>___ Personal Check ___ Cash</p> <p>___ School Check ___ Purchase Order</p> <p>Amount Received: _____</p> <p>By: _____ Date: _____</p>
---	---

2013-2014 MSTA Board of Directors

Officers

President Dr. Betsy Sullivan (bsullivan@madison-schools.com)
President-Elect Ann Huber (phy2chem@yahoo.com)
Immediate Past President & Long Range Goals Beth Dunigan (Dunigan@mc.edu)
Convention Planner/Executive Officer Bess Moffatt (bmoffatt@cableone.net) Sheila Smith (ssmith54@aol.com)
Treasurer Melinda Miller (mmiller@prcc.edu)
Secretary Cindy Alsworth (calthworth@cov.k12.ms.us)

Committee Chairs

AV Coordinator Dr. Aleta Sullivan (asullivan@prcc.edu) Dr. John Ammons (jammons@msdelta.edu) John Wiginton (jfwigint@olemiss.edu)
Awards Peggy Carlisle (pcarlisle@jackson.k12.ms.us)
CEU Coordinator Dr. Angela Bedenbaugh (Angela.Bedenbaugh@usm.edu)
Convention Evaluation Dr. Burnette Hamil (bhamil67@att.net)
Convention Program Mr. Ken Wester (kwester@ilstu.edu)
e-Communications Brandi Duncan-Herrington (bdjh99@gmail.com)
e-Cybermission Dr. Joe Sumrall (sumrall@olemiss.edu)
Exhibitor Chairman Carl Dewitt (seemedewitt@gmail.com)
Historian/Parliamentarian Jo Anne Reid (joareid@dtcweb.net)
Legislative Representative Dr. Angela Bedenbaugh (Bedenbaugh.Angela@gmail.com)
Long Range Goals Sheila Smith (ssmith54@aol.com)
Membership Director Brandi Duncan-Herrington (bdjh99@gmail.com)
MSTA Editor Deborah Duncan (deb50duncan@gmail.com)
Professional Liaisons Dr. Joe Sumrall (sumrall@olemiss.edu)
Public Relations Rheta Ann West (rwest@bmc.edu) Dr. Johnny Mattox (jmattox@bmc.edu)
Receptions Peggy Carlisle (pcarlisle@jackson.k12.ms.us)
Registration Coordinator Dr. Aleta Sullivan (asullivan@prcc.edu)

Sales Coordinator Shani Bourn (sbourn@hancock.k12.ms.us)
Scholarships Dr. John Ammons (jammons@msdelta.edu)
Science Competitions Sherry Herron (Sherry.Herron@usm.edu)
Science Matters Coordinator Lillie Akin-Knighton (sci4me@aol.com) Dr. Angela Bedenbaugh (Bedenbaugh.Angela@gmail.com)
Member Emeritus Jane Lusk (jwlusk@futuresouth.com)

Regional Directors

District A Donna Roberts (djtrob@hotmail.com)
District B Dr. Wilbur Walters (Wilbur.walters@jsums.edu)
District C Marilyn Castle (marilyncastle@yahoo.com) Ann Huber (phy2chem@yahoo.com)
District D Dr. Johnny Mattox (jmattox@bmc.edu) Rheta Ann West (rwest@bmc.edu)
District E Chantelle Herchenhahn (cherchenhahn@forest.k12.ms.us)
District F Shani Bourn (sbourn@hancock.k12.ms.us)

Representatives

College and University Dr. Bill Scott (tinae@vista-express.com) & John Wiginton (jfwigint@olemiss.edu)
Community Colleges Dr. Aleta Sullivan (asullivan@prcc.edu)
Elementary Peggy Carlisle (pcarlisle@jackson.k12.ms.us)
High School Jessica Johnson (dsteducator@gmail.com)
Independent Schools Penny Sawyer (Teachchem2001@yahoo.com)
Industry Representative Debbie Raddin
Informal Education Libby Hartfield (libby.hartfield@mmns.state.ms.us)
Middle School Bobby Robinson (brobinson@madison-schools.com)
Pre Service Dr. Burnette Hamil (bhamil67@att.net)
Private Schools Ann Huber (annhuber@phy2chem@yahoo.com)
Secondary School Carrie Bell (CarrieBell246@yahoo.com)

MSTA on the Internet: Join us at the **MSTA Listserv** by visiting this site <http://lists.ms-meca.org/mailman/listinfo/msta> and filling out the form found there. **Visit our website at www.MS-Scienceteachers.org** The listserv and website are services provided for MSTA members at no additional cost. Don't forget the MSTA Wiki space at <http://msta.wikispaces.com> Websites and more can be found here. **MSTA on Facebook:** Join [Mississippi Science Teachers](#) page on Facebook. **Please send information** on workshops, announcements, other matters of interest to our membership to me, Deborah Duncan, 1402 Golf Course Rd., Philadelphia, MS 39350 or email me at deb50duncan@gmail.com

MSTA Membership Application

Mississippi Science Teachers Association cordially invites you to become a member.

To do so, please complete the items below. Return completed form and the \$10.00 annual membership fee (\$5.00 student) to:

Melinda Miller, Treasurer

Mississippi Science Teachers Association,

PO Box 588

Poplarville, MS 39470

Email address: Please print and use your personal address.

Name: _____
Last First Middle Initial

Home Address: _____
Street or Box City State Zip

Name of School or Institution: _____

Work address: _____
Street or Box City State Zip

Grade Level: Circle the correct grade K 1 2 3 4 5 6 7 8 9 10 11 12 College Informal

Subject(s) Taught: _____