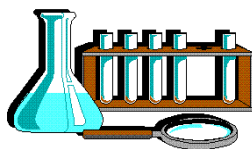


MSTA**Newsletter**

Mississippi Science Teachers Association

March 22, 2015

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Conference****October 25 & 27, 2015****At the Marriot Hotel in
Jackson, MS****For Hotel reservations call: 1-601-969-5100
by September 18, 2015****(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****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/7AqNga>**MSTa registration video instructions**

Presidential Post:

Greetings Mississippi Science Teachers!

Many of us are looking forward to spring after all the snow and ice we have enjoyed!

At the National Science Teachers Conference, we were privileged to hear Leland Melvin speak. Mr. Melvin persevered to overcome adversities that sidelined his pro football career. Fortunately, he had excelled in the classroom and was able to use his science background to help change his life direction. He went to work at NASA and was part of missions to the international space station. You may recognize Leland Melvin as co-chair of the White House's STEM task force.

I was encouraged as I listened to Leland Melvin's story. Many of us have had life situations that caused us to revise our goals. Our students have goals and many will face situations that will call for perseverance and revision of goals. As a teacher, I want to instill in my students the desire to persevere whenever life is tough, to persevere when goals have to be revised, and to always excel in their current situation so that they will be prepared when opportunities are presented.

Some of us experienced "stem" in the classroom as students in self-contained elementary classrooms. For others, the current emphasis on STEM is an opportunity to revise our lesson plans. As we incorporate STEM into our curriculums, one resource that is useful to me is: [NSTA STEM archives](#).

The Mississippi Science Teachers fall conference will be October 25-27, 2015 at the Marriott in Jackson, Mississippi. You are invited to make nominations for the MS science teacher awards online ([awards online](#).) or with the mail in nomination form ([awards mail in form](#)).

At the conference, please plan to make a presentation and to attend the scholarship auction Monday night at the Natural Science Museum. Last year we had a wonderful reception outside and a fun-filled reception!

"A teacher affects eternity; he can never tell where his influence stops." Henry Adams

Thank you for being a teacher.

Sincerely, *Ann Huber*



**Submit Proposals For MSTA
Conference**

WE NEED YOU

Please go to [2015 Electronic Submission Conference Proposal Form](#) to submit a proposal to present at the Fall Conference.
Deadline September 25, 2015

President Elect Post:

I extend greetings to all our M.S.T.A. members. I hope that you are having a successful spring semester. Much of our state is involved during the spring with science fairs. Let me encourage each of you to promote membership in M.S.T.A. to your colleagues at these science fair events as well as at your schools. Explain to them the many benefits in being a member of our organization.

I represented M.S.T.A. at the Alabama Science Teachers Association March 3-4 and enjoyed meeting science teachers from all over the state of Alabama and hearing some great presentations. It always invigorates my enthusiasm for teaching after attending these events.

Let me encourage you to contribute to our newsletter by sharing your successful teaching and laboratory ideas. As teachers we are never a finished product and must continue to strive to perfect our pedagogical skills. Sharing your teaching tips in the newsletter is a great way to accomplish this.

I also wanted to mention that Mary Wroten of the Mississippi Department of Education sends emails and a monthly newsletter on science education-related topics and events in our state. If you haven't done so already, subscribe to her email list.

Be sure and mark your calendar for October 25-27, 2015, for the M.S.T.A. Convention at the Marriott in Jackson and encourage your colleagues to do likewise. You will be able to hear guest speakers and attend a variety of presentations covering topics in science education that will enable you to return to your school revitalized and ready to try new approaches in teaching your classes. I hope to see you there!

Sincerely, Johnny L. Mattox *President Elect*

Article from MSTA Registrar.....

Aleta,

Hello, my dear friends! Thanks to all of you who registered online last year - you made my life so very much easier. Even those of you who must send your registration through your school system business office can register online. I will send you a copy of your submission the amount of registration in the documentation.

You can register online here!

online registration

<http://goo.gl/7AqNga>

I have a new toy to try with our convention...an online convention app. Use the short url or QR code below to get the YAPP app (free) which will have our convention app in it. It looks very good on smartphones and FABULOUS on iPads and Tablets.

<http://my.yapp.us/WBJ66B>

Now for news! I have a new email address: aletasullivan@gmail.edu
Contact me whenever you need help. I will have loads of time - I am retiring May 31!!!!



A note from the Treasurer:

Just a reminder that we have a convenient way to pay for your membership and convention registration! You can now use e-check and all major credit cards when completing these forms. If you have any questions about the process, feel free to contact me at mmiller@prcc.edu

Melinda

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



Scholarship and Grant Opportunities

OTIS W. ALLEN MEMORIAL FUND

SCIENCE EDUCATOR SCHOLARSHIP APPLICATION

NAME: (last, first, m.i.) _____

Home Address: (street/p.o., city, zip) _____

School Name & Address: (street/p.o., city, zip) _____

E-mail Address (home address prefer) _____

NSTA Conference you would like to attend: _____

Conference dates: _____

Have you ever attended a NSTA regional or national conference before? _____ yes _____ no

If yes, please provide the date and year. _____

Are you willing to make a presentation at the fall MSTTA conference about your experiences attending a regional or national conference? _____ yes _____ no

Are you a member of MSTTA? _____ yes _____ no, if yes how long? _____

On a separate sheet of paper, write a narrative (not to exceed 500 words) on why you wish to attend a NSTA conference and how the experience will benefit you as a science educator. Be sure to sign the narrative. An electronic signature will be accepted.

On a separate sheet of paper provide a total projection of your expenses. This should include travel, meals, lodging.

Conference registration and any other expenses you might incur. Following the conference a detailed expense report must be submitted to Dr. John Ammons (address below). You must also submit a copy of your conference registration receipt and a statement signed by your supervisor or principal stating you attended the conference. Be sure to include their contact information.

Please send all forms and documentation as a single attached e-mail file (.doc, .docx or pdf format to Dr. John Ammons, to jammons53@hotmail.com. Please note that priority is given to applicants wishing to attend a national conference. If no applications received, then applicants wishing to attend a regional conference will be considered.

The maximum amount awarded by MSTTA to attend a National conference is \$800 and for a regional conference (NSTA Stem as well) is \$400. Reimbursement for conference expenses will be based on receipt of final conference expenses.

Applications for national conference must be received by Jan. 1 of conference year, and for a regional meeting by April 1 of conference year.

All decisions by the scholarship committee are final. MSTTA reserves the right to limit or reduce awards based on available funds. Awardees will be notified by e-mail. If selected to receive an award, awardees must contact Dr. John Ammons, via e-mail (committee chair) to accept or reject the award within 1 week.

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

The Gulf Coast Research Lab's Marine Education Center Professional Development Opportunities

For workshop requirements and complete descriptions

visit: <http://www.usm.edu/gcrl/mec/teacher.professional.development.php>

April 10-12, 2015: Comparing the Barrier Islands of Mississippi and Louisiana

This workshop is sponsored by the Mississippi Alabama Sea Grant Consortium (MASGC) for teachers from Mississippi and Alabama.

July 13-17, 2015: AUV Jubilee

Join scientists of the CONCORDE project working to understand the effects of Deepwater Horizon Oil Spill in the coastal Gulf of Mexico. .

July 28-30, 2015: Watershed Education Aboard the R/V McIlwain

Join us as we launch a new program to guide you in engaging your middle and high school aged students in a meaningful watershed educational experience (MWEE) that takes place during the 2015-2016 school year in your classroom and during a research cruise on the Pascagoula River aboard GCRL's R/V Tom McIlwain.

Greetings Superintendents, Principals, Curriculum Coordinators, and District Test Coordinators

As you are probably aware, last spring the Mississippi Department of Education formed a partnership with the North Mississippi Education Consortium and the Department of Teacher Education at The University of Mississippi to create a network of professional development coordinators charged with providing direct supports for teachers across the state. We currently have thirteen (13) professional development coordinators serving the state in that effort.

At this time, The University of Mississippi has posted a total of eleven (11) additional Coordinator of Professional Development positions in the areas listed below.

- English Language Arts (secondary)
- Mathematics (secondary)
- Science (elementary and secondary)

Interested individuals may view additional details (qualifications, responsibilities, etc.) and apply online at <https://jobs.olemiss.edu/postings/7054>. **Only applicants who apply online through The University of Mississippi site will be considered.** The minimum base salary is approximately \$51,000. **Review of applications will begin immediately and continue until positions are filled or until an adequate applicant pool is established.**

We want to recruit the best and brightest for these positions to ensure strong support for you and your districts.

Please share this information with individuals who may be interested. Contact Trudy Cook, Program Manager, Office of Professional Development, at tcCook@mde.k12.ms.us or (662) 251-7520 if there are questions. **Replies to this message will automatically go to Mrs. Cook.**

Thanks, Nathan

JSU Recruiting Teachers for Project's MAT-PD and MAST

We are currently recruiting 9th - 12th grade science teachers in Mississippi for our professional development workshop. Participating teachers receive the following benefits:

1. **\$4,000 for completing the program**
2. **up to an additional \$6,000 in material benefits** including:
 - classroom Resources and supplies;
 - travel to the Mississippi Science Teachers Association meeting (Jackson, MS),
 - travel to the NSTA national or regional meeting (*held in either Los Angeles, CA; Nashville, TN; Minneapolis, MN; Reno, NV; Philadelphia, PA; and Kansas City, MO*) upon NSF approval;
 - six hours of graduate credit; and
 - room and board at no cost to the participant.

I encourage all high school science teachers to apply. We will accept applications until all slots are filled.

Mr. Cary Smith
Jackson State University
Department of Physics
1400 John R Lynch Street
P.O. Box 17450
Jackson, MS 39217

CSI: Classroom Student Investigations

Do you like using science to solve mysteries? So do we! CSI: Classroom Student Investigations is an excellent PROFESSIONAL DEVELOPMENT opportunity for science teachers. Forensic cases will be developed in which teachers and students will engage in inquiry-based activities to solve the cases. A wide variety of science fields (life, chemical, physical, and technology) will be included in this program. All cases will incorporate “real-world” activities and teachers will be given information how to adapt to their own classrooms. The workshop will be held June 15-26, 2015 (preference will be given to grades 7-10, but others will be considered as space allows), and a limited amount of travel support may be available. Teachers will receive room/board and up to \$2000 stipend for successful completion of summer and academic year activities. Workshop is held on the campus of Arkansas State University, Jonesboro, AR. You'll have the weekend free to explore the area- go shopping, go to movies or out to eat, travel to Memphis (about an hour away) or explore the many outdoor activities in the “Natural State” <http://www.arkansas.com/>. For more information and application forms, see our website <http://altweb.astate.edu/csiscience>

This project is funded by a grant given to Arkansas State University by the National Science Foundation (NSF 09-506 Innovative Technology Experiences for Students and Teachers-ITEST)

Flyer: <https://drive.google.com/file/d/0BxAyOcaN--eWNkRlR0xiWU1ZcDBhdVpLWFZHNWozcC1aazN3/view>

Brochure for Teacher: <https://drive.google.com/file/d/0BxAyOcaN--eWdkt6VmFCREhzeHhKTHRTVGxjdF8yeFRaQzNn/view>

Brochure for Student: <https://drive.google.com/file/d/0BxAyOcaN--eWSW9ZUlo4MW8xOGRwOE1saDNTaWtEYnJIV2xJ/view>



Calling All Teachers!

Attend a one-week professional development workshop this summer at no cost to you!

Meridian High School | Meridian, MS | June 1-5, 2015



"This was one of the best camps I have ever attended. The labs provided me the experience to be able to conduct them in my classroom. The depth of the program gave me the experience and knowledge to better understand and explain the ideas to my students."

Teachers Camp 2014

ASM Materials Camps give you something you could really use in your classroom!

Who should attend?

- High school general science, chemistry, physics, math, technology, vocational team cross-curricular 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

Everything is FREE: 4 CEUs, materials, lunches & snacks

Graduate credits available! Two (2) graduate credits available (at participant's expense) through the University of Missouri-Kansas City at \$250. (This is optional)

How to apply: Go to link: <https://www.surveymonkey.com/s/QGM39KB> or visit www.asmfoundation.org.

Questions?

For additional information, contact
Jeane Deatherage, Administrator of Foundation Programs at
jeane.deatherage@asminternational.org; 1-800-336-5152, X5533.

New Educational Materials Available at NASA.gov

NASA Education Brochure -- All Educators

Space Math VIII Educator Guide -- Grades 5-12

Space Math IX Educator Guide -- Grades 5-12

Our Solar System Lithograph Set -- All Grade Levels

NASA's BEST Next Generation Activity Guide -- Technology Demonstration Missions -- Grades 5-8

Year of the Solar System -- Real World Math -- Grades 6-12

Space Shuttle Thermal Protective Tiles Available for Educational Use

Audience: Educational Institutions, Museums and Other Education Organizations

Available While Supplies Last

Help NASA Find New Planetary Systems -- Become a Disk Detective!

Audience: All Educators and Students

Project Timeframe: Now Through 2018

Free Education Webinars From NASA Educator Professional Development

Audience: In-service, Pre-service, Home School and Informal Educators

Next Event Date: Feb. 19, 2014, at 5:30 p.m. EST

**International Space Station Research Design Challenge: Capillary Effects on Liquids
Exploratory Research Experiments**

Audience: Grade 8-12 Educators and Students

Entry Deadlines: March 1 and April 1, 2015

2014 NASA EONS Solicitation -- New MUREP ASTAR Fellowship Appendix

Audience: Prospective and First-year Graduate Students

Proposal Deadline: May 4, 2015

2015 NSBRI First Award Fellowship Program

Audience: Postdoctoral Fellows

Application Deadline: June 5, 2015

Don't miss out on upcoming NASA education opportunities.

For a full list of events, opportunities and more, visit the Educator and Student Current Opportunity pages on NASA's website:

-- Educators <http://www.nasa.gov/audience/foreducators/current-opps-index.html>-- Students <http://www.nasa.gov/audience/forstudents/current-opps-index.html>

Biomedical Research Summer Positions:

Are you excited about biomedical research? Are you interested in teaching your students about laboratory research and a career in science? Then look no further. We have an incredible opportunity for you.

The Discovery U Program in the School of Graduate Studies in the Health Sciences at the University of Mississippi Medical Center is now accepting resumes for a summer position, Science Teachers in Biomedical Research (STBR). The STBR program promotes the development of biomedical science through a hands-on approach. Participants will gain first-hand experience of how a biomedical science lab runs and receive \$4,000 for the 8-week summer program.

Please e-mail your resume and personal statement to Mary Canterbury mcanterbury@umc.edu. The personal statement should include your research interests and how the summer research experience could help your educational mission. The deadline for submission is Friday, March 13.

Teachers in the STBR program will work with faculty on cutting-edge research in one of the following disciplines:

- AIDS/HIV
- Biochemistry and Molecular Biology
- Biomaterials
- Cancer Biology
- Cardiovascular Physiology
- Cell & Molecular Pharmacology
- Cell Signaling
- Computational Medicine
- Depression and Substance Abuse
- Genetics and Gene Medicine
- Health Disparities
- Hypertension

- Kidney Disease
- Microbiology/Immunology and Virology
- Neurosciences
- Obesity and Diabetes
- Pathology and Laboratory Medicine
- Pharmacology and Toxicology
- Proteomics
- Structural and Chemical Biology
- Women's Health
- Wound Healing

The University of Mississippi Medical Center is an Equal Opportunity/Affirmative Action Employer and does not discriminate on the basis of race, color, religion, sex, age, disability, marital status, national origin, or veteran's status. Inquiries or complaints may be referred to the Office of the Director, Employee Relations, 2500 North State Street, Jackson, MS 39216-4505.

2015 K-5 Earth Science/STEM Teacher Leadership Academy

ExxonMobil Exploration and the American Geosciences Institute are pleased to announce that they will be holding the sixth annual Leadership Academy in Earth science and STEM for elementary school teachers in Houston, Texas, June 15-19, 2015. The program starts with a reception and dinner on the evening of the 15th and concludes at noon on the 19th.

The Academy will provide teachers with Earth science content, hands-on activities, resources and field experiences that they can use with their students in the classroom and with their colleagues in professional development settings. The program will be residential in Houston, and all travel, lodging and subsistence costs will be covered by a grant from ExxonMobil. We have space for 28 participants, and encourage teams of three or four to attend from each state or school district (although this is not a requirement).

Topics covered during the 40 hours of the workshop will include:

- Introducing Earth system science to students;
- Teaching Earth science with an emphasis on STEM and Science & Engineering Practices
- Investigations to help students understand the Nine Big Ideas in Earth Science (from the Earth Science Literacy Principles);
- Teaching the seven Energy Literacy Principles;
- Resources for learning and teaching Earth science (K-5 GeoSource website, Investigating Earth Systems, Nine Big Ideas and Essential Energy Literacy Principles videos, Earth Science Week Kits, and many others);
- The work of geoscientists in the energy industry;
- Using learning centers in classroom and workshop settings;
- Planning, conducting and evaluating successful Earth science workshops.

We encourage science supervisors and principals to nominate teachers for the Academy by the deadline of March 16, 2015.

We are looking for teachers who already are, or who have the potential to become science professional development leaders in their home school districts. Please send names and e-mail contact information for nominees to Dr. Ed Robeck, Director of Education and Outreach, American Geosciences Institute, at ecrobeck@agiweb.org.

A link to the downloadable application form will be sent to each applicant. We will be asking the nominees to send in three items with their completed application form, preferably in an electronic format:

1. a current curriculum vitae or resume that includes their contact information, degrees, teaching and other work experience and any professional development training they have received and/or experience in conducting workshops;
2. a letter of commitment to attend the Academy, if selected;
3. a letter of recommendation and commitment from their principal stating that the teacher will be permitted to conduct professional development workshops for their peers.

We will be sending out more detailed information about travel and hotel in future messages to the teachers selected to attend.

Giant Screen Film *Molecules to the MAX!* Now Available on DVD

Film educates and excites kids about the world of atoms and molecules

You can now catch a ride to NanoSpace in ***Molecules to the MAX!***, the 42-minute, animated 3D Giant Screen film, developed by world-renowned professors and scientists from Rensselaer Polytechnic Institute (RPI). The film is being offered on DVD to school librarians first before being made available to the public. Science teachers are encouraged to talk with their school librarians about ordering the DVD through [AV Café](#) or another preferred distributor. Additionally, Public Performance Rights (Screening license) can be purchased at edu.passionriver.com/molecules-to-the-max.

For those science teachers interested in learning more about [The Molecularium® Project's](#) initiatives designed to teach and excite kids about science, the Project's team members will be exhibiting at the NSTA Conference in Chicago (March 12-15). Please stop by booth #1627 to win a free copy of the DVD.

"If you've ever stood in front of a group of 5th graders and watched their faces as you described how atoms and molecules make up the world, you'd know the importance and joy of continuing to come up with innovative ways to excite kids about science," said Richard W. Siegel, Ph.D., director of the Rensselaer Polytechnic Institute Nanotechnology Center and innovator behind [The Molecularium® Project](#). "That's why we are thrilled to be releasing our [Molecules to the MAX!](#) film on DVD and to focus attention on the power of using entertainment to teach students," he added.

Molecules to the MAX! continues to show overseas on select IMAX screens and has been translated into Spanish, Chinese, Arabic and Japanese. In the film, Oxy, Captain of the Molecularium, is dispatched from the Unified Field of Atoms on an expedition to discover the secret of life on Earth. Along with her crew – Mel, the uptight computer, and Hydra and Hydro, the bungling hydrogen twins - they have many misadventures exploring the Earth's atmosphere and the cycle of water molecules, through clouds, snowflakes and raindrops. Lost in the far reaches of outer space, Oxy and her crew are rescued by Carbón and his gang of intergalactic carbon atoms. With lots of bravado and a little luck, Carbón is able to pilot the ship back to Earth.

The Molecularium Project is the flagship outreach and education effort of RPI's Nanotechnology Center aimed at boosting global science literacy and encouraging young people to pursue careers in STEM. Along with *Molecules to the MAX!*, its educational efforts include a 23-minute, award-winning Digital Dome film, ***Molecularium – Riding Snowflakes***, which introduced the characters **Oxy, Carbón, Hydra and Mel**; and [NanoSpace®](#), an online amusement park, where the familiar film characters are transformed into game based characters. NanoSpace, winner of the Center for Digital Education 2013 Best of the Web award, includes more than 25 fun, interactive and educational games, short animated films and activities, which provide an engaging environment to demystify molecular science. Instead of textbooks, teachers and students can use games like [BuildEm!](#), [Periodic Memory](#) and [microLAB](#). The Project's free [educator resources](#) for grades K-4 and 5-8 are available on the website at www.molecularium.



What's New...

Eating Disorders: About More Than Food

The eating disorders anorexia nervosa, bulimia nervosa, and binge-eating disorder, and their variants, all feature serious disturbances in eating behavior and weight regulation. They are associated with a wide range of adverse psychological, physical, and social consequences.

Eating disorders are real, treatable medical illnesses.

[Eating Disorder Brochure](#)

About us:

The mission of NIMH is to transform the understanding and treatment of mental illnesses through basic and clinical research, paving the way for prevention, recovery, and cure.

<http://www.nimh.nih.gov/health/index.shtml>

THE HARNESSSED ATOM - TEACHERS' EDITION

The Harnessed Atom is a middle school science, technology, engineering, and math (STEM) curriculum extension that focuses on nuclear science and energy. It is designed to provide students with accurate, unbiased, and up-to-date information on the roles that energy and nuclear science play in our lives. The curriculum includes essential principles and fundamental concepts of energy science.

This update is based on the original 1985 *Harnessed Atom* curriculum from the U.S. Department of Energy. It has been developed with extensive input from science teachers across the country in pilot test reviews and workshops, as well as technical reviews from scientists and experts at universities, professional societies, and national laboratories.

This update includes new science education standards, updated statistics, new experiments, and interactive games. It also provides information on careers in energy research and production that will help students consider coursework needed to achieve their career goals. It has been redesigned to be flexible so it can be tailored to fit within the schedule of classrooms everywhere.

The Harnessed Atom includes the student edition, a teacher's guide with the complete content of the student edition, plus the lesson plans, standards, instructor notes, interactive games, classroom activities, laboratory experiments, and outside resource suggestions.

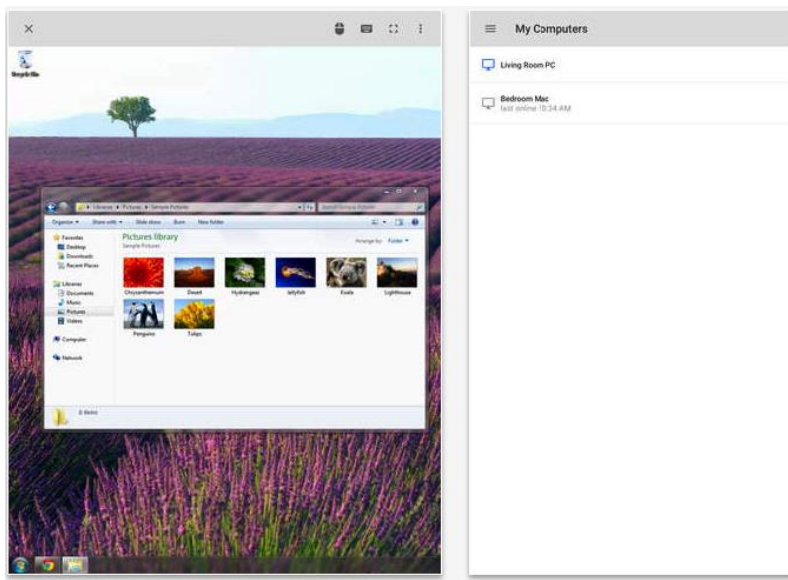
One responsibility of the U.S. Department of Energy is to keep the public informed about our Nation's different energy sources, research, policies, and options. *The Harnessed Atom* helps meet this goal by providing students with factual information they need to make informed decisions about our nation's energy options and future—and their role in it.

 [Teacher's Edition.pdf](#)

<http://energy.gov/ne/downloads/harnessed-atom-teachers-edition>

New Google App to Control Your Computer Using Your iPad

<http://www.educatorstechnology.com/2015/01/new-google-app-to-control-your-computer.html>



A few days ago Google released a free [iPad app](#) that allows you to control your computer using your iOS devices (iPad or iPhone). But to use this app you will need to install the popular “[Remote Desktop](#)” extension on your Chrome.

Chrome Remote desktop extension is an add-on that we have reviewed here in several instances. It basically allows users to remotely access another computer through Chrome browser or a Chromebook. Computers can be made available on a short-term basis for scenarios such as ad hoc remote support, or on a more long-term basis for remote access to your applications and files. All connections

are fully secured.

Modeling™ Instruction,

under development since 1990 under the leadership of David Hestenes (Emeritus Professor of Physics, Arizona State University), corrects many weaknesses of the traditional lecture-demonstration method, including fragmentation of knowledge, student passivity, and persistence of naive beliefs about the physical world. Unlike the traditional approach, in which students wade through an endless stream of seemingly unrelated topics, Modeling™ Instruction organizes the course around a small number of scientific models, thus making the course coherent. It applies structured inquiry techniques to the teaching of basic skills and practices in mathematical modeling, proportional reasoning, quantitative estimation and technology-enabled data collection and analysis.

Each summer, Modeling™ workshops are held all over the country. In 2014, almost 1200 teachers took one of the 75+ workshops in 20 states. The content areas of the workshops (depending on location) are mechanics (physics I), E&M, CASTLE, waves, light (physics II), chemistry I and II, biology, physical science, and we are proud to now offer workshops especially geared to middle school science teachers!

On the website of the American Modeling Teachers Association (AMTA) we have a list of workshops we hope will be offered next summer, the information is subject to change so check the site every so often to see if now your state offers a Modeling™ workshop! <http://modelinginstruction.org/workshops-2015/>

Workshops are scheduled for the following states:

Alabama, Arkansas, Arizona, California, Connecticut, Florida, Georgia, Illinois, Kansas, Kentucky, Louisiana, Massachusetts, Maine, Michigan, Minnesota, New Jersey, New York, Ohio, South Carolina, and Texas. Internationally in Hong Kong.

The Environmental Education Program at Camp Lake Stephens Presents

PROJECT LEARNING TREE

TEACHER PROFESSIONAL DEVELOPMENT WORKSHOP

SATURDAY, MAY 9, 2015

9 AM – 3:30 PM



Project Learning Tree (PLT) is an award-winning environmental education program for teachers and other educators, parents and community leaders working with youth from pre-K through 12th grade. PLT helps young people learn how to think – not what to think – about complex environmental issues. PLT can help address state and national standards. It provides the tools educators need to bring the environment into their classrooms and the students into the environment.



REGISTER BY MAY 6TH TO SECURE YOUR SPOT!

Workshop fee is \$15 per participant (includes PreK – 8th guide and a module for high school teachers). Snacks will be provided. 0.6 CEUs are available through Mississippi College for an additional \$10. Participants should bring their own lunch. **TO REGISTER email audrey@camplakestephens.com.**



117 Camp Lake Stephens Drive, Oxford MS 38655

Office: 662.234.3350

www.camplakestephens.com

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.

Retiring or need to change your EMAIL

<http://goo.gl/NrFG9O>



Just For Fun:



MSTA CONVENTION ADVANCE REGISTRATION FORM**2014 MSTA Annual Convention October 25-27, 2015****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 7, 2015 (applications MUST be postmarked by October 8th for early-bird "free" t-shirt).**
 - **Continued Advanced registration (no t-shirt) can be made through October 14 (postmarked date).**
 - **For hotel reservations:** Marriott Hotel-Jackson, Mississippi (Phone: 601-969-5100)
- Cut-off-date for rooms is September 30, 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 \$80.00</p> <p>___ Undergraduate/Graduate Student \$25.00</p> <p>___ Non-teaching Family/Guest/Spouse \$40.00</p> <p>These Include the Awards Luncheon on Tuesday.</p> <p>___ OR ___ Daily Admission: [Check the day(s)]</p> <p>Monday, October 26 only:</p> <p>___ Member/Non-member \$50.00</p> <p>___ Full-time Undergraduate/Graduate Student \$15.00</p> <p>___ Non-teaching Family/Guest/Spouse \$30.00</p> <p>Tuesday, October 27 only:</p> <p>___ Member/Nonmember \$80.00</p> <p>___ Full-time Undergraduate/Graduate Student \$25.00</p> <p>___ Non-teaching Family/Guest/Spouse \$40.00</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 10/08/2015.</p> <p>No registration refunds for registrations after 9/26/2015</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>
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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 \$20.00 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: _____