

MMS STEM Academy

Volume 3, Issue 1

August 28, 2015

Welcome Back

STEM Academy for Environmental Science

Tameka Osabutey

STEM Program Manager

STEM Institute went off in a big way thanks to well over 15 volunteers! See the photos on pg. 4.

Our STEM Certification Visit from the Georgia Department of Education is on September 1 and we are more than ready click <http://stemgeorgia.org/> for more information on what Georgia STEM Certification means for our students and our state.

Check our Specialty page for information and updates by clicking below:

<http://portal.rockdale.k12.ga.us/schools/mms/programs/Pages/default.aspx>

Follow our school on Twitter @MemorialMS

Quote of the Month

Failure is the opportunity to begin again more intelligently

-Henry Ford

INSIDE THIS ISSUE

- 2 High Touch High Tech
- 3 Ways you can volunteer
- 4 Interdisciplinary Projects/Calendar of Events

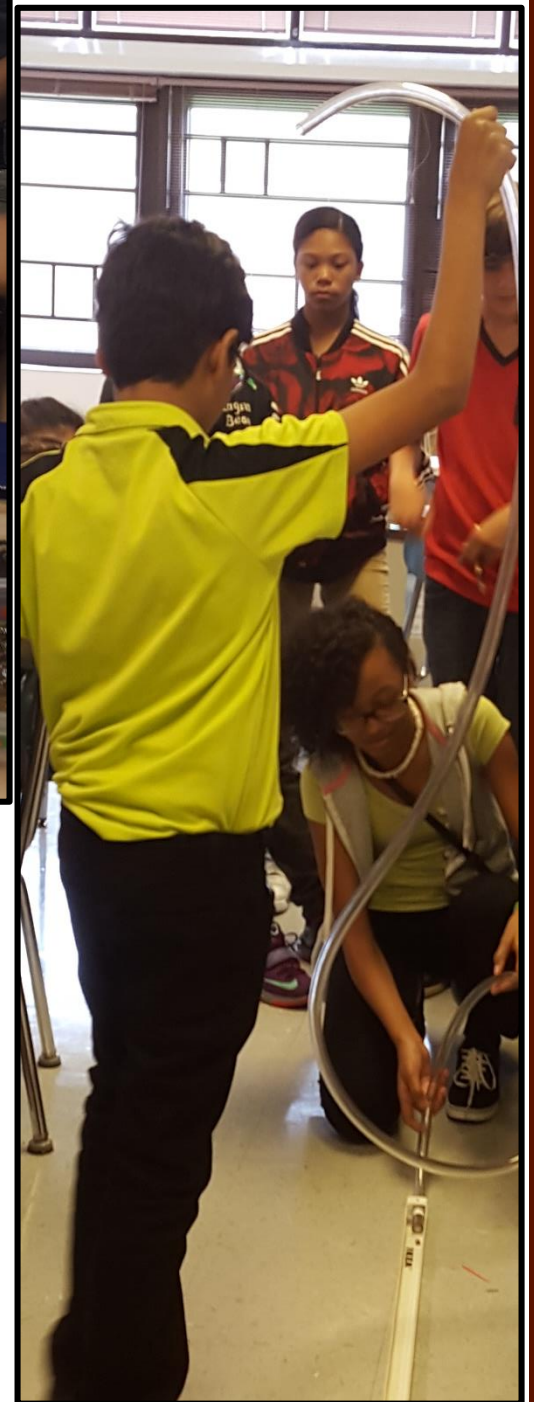
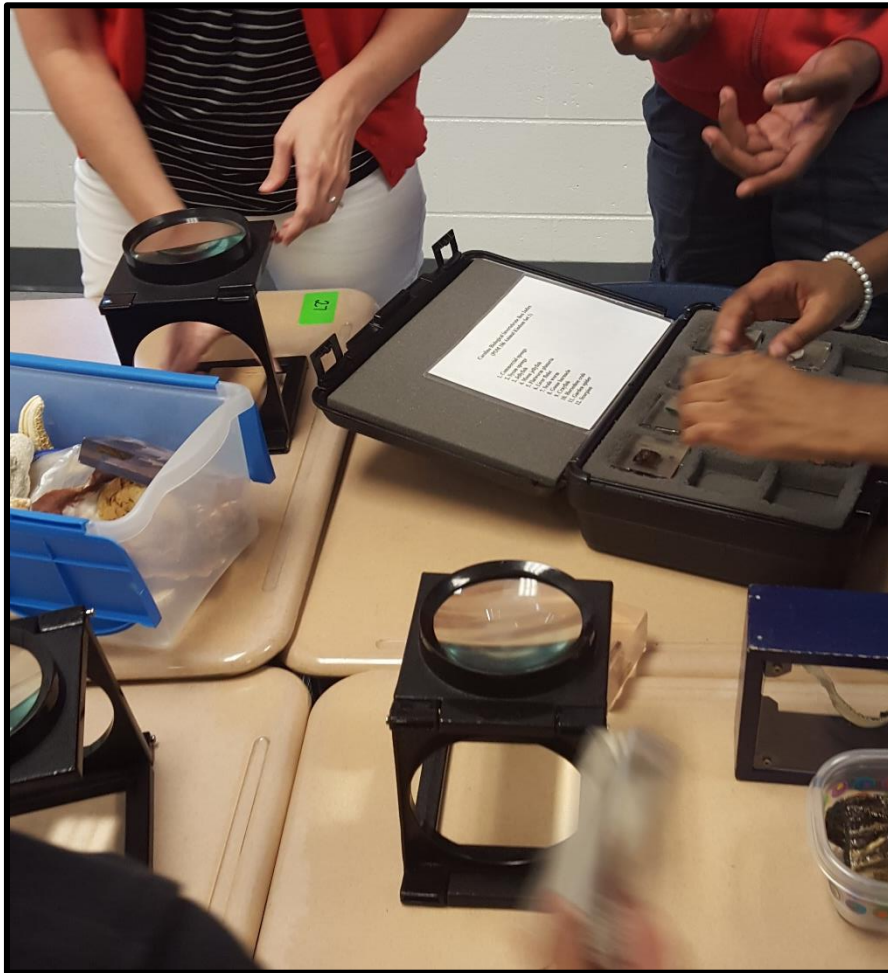
Partner Spotlight

Bob Rourke at AT & T has recommitted to his work with our TSA/Robotics Team click [Arduino](#) for examples of what our kids can do!



*MMS STEM won the Spring 2015 [Toolbox Grant!](#) Stop by our local Lowe's and say hello to Dwayne and Ana who have been helping us with our Victory Garden Project-Based Learning Plan.





SPECIAL EVENT: HIGH TOUCH HIGH TECH

6TH MINERAL MADNESS

7TH DNA DISCOVERIES

8TH EVERYTHING MATTERS

TIME SEPT 29TH -30TH ALL DAY

Our students will put their HANDS ON real minerals from around the world, learn how genes make them unique, and identify physical and chemical changes.

Click here to learn more about [High Touch High Tech!](#)



Ways you can volunteer at MMS

STEM Lab Prep
Library Aid
Dances
Lunch and Learn Speaker
Lego Robotics Aid
Science Fair Set-up
Water Donations
Science Fair Judges
Field Trip Chaperone
Snack Donations
Class Presentation Feedback
Book Fair Volunteer
Concession Stand
Fall Carnival
STEM Lab Spring Inventory
Coat Drive
Decorating Classrooms
Mailings
Beta Club Parent
Classroom Extra Hands
Clinic Supplies

PARENT INVOLVEMENT IS
ESSENTIAL TO YOUR STUDENT'S
SUCCESS. WE ARE ASKING FOR 1
HOUR A MONTH.

SIGN UP FOR EMAIL ALERTS ON
OUR PARENT PORTAL:

[HTTP://PORTAL.ROCKDALE.K12.G
A.US/ABOUT/SI/TECH/ADMIN/PAR
ENTS/PAGES/DEFAULT.ASPX](http://portal.rockdale.k12.ga.us/about/si/tech/admin/parents/pages/default.aspx)

WHEN YOU COME IN TO VOLUNTEER,
PLEASE SIGN THE STEM LOG AT THE
FRONT DESK WHICH IS ALPHABETIZED BY
YOUR CHILD'S LAST NAME TO
ACCOUNT FOR YOUR 10 HOURS.

Food Drive
Awards Ceremonies
Tablet Check-In
Summer Institute Planning
Title I Parent Member
Garden Volunteer
Soap/Hand Sanitizers STEM Lab
Pencils and Pens
Batteries
Recommend a Skype Professional

High Achievers Connection

Instructional Connections to push your child to the next level!

Georgia provides free courseware for students who want to solidify their knowledge with content designed by certified teachers.

Click here for 8th Grade Math Practice
<http://www.gavirtuallearning.org/Resources/SharedMSMath8th.aspx>

- Use the navigation menu on the left to use resources from all of the state's core courses for Middle School or High School.

Click here for Spanish Resources
[http://www.gavirtuallearning.org/Resources/SharedSpanish1\(WLCopy\).aspx](http://www.gavirtuallearning.org/Resources/SharedSpanish1(WLCopy).aspx)

- Use the navigation menu on the left to use resources from all of the state's core Foreign Languages Chinese, Japanese, Latin, German

Got AVID? Here are Examples
http://avid.org/_documents/NatCon/Presentations%20and%20Handouts/H.%20Wolfertz%20-%20Interactive%20Notebooks%20in%20AVI_D_Handouts.pdf

* Click here to see what the PSAT shows about your child's knowledge?

<https://collegereadiness.collegeboard.org/pdf/psat-nmsqt-benefits-flyer-parents.pdf>

* Essential Mathematics for Gifted Students. Algebra by Francis Sganga

www.giftedpress.com/SGANGA.htm

* Wonders of Math for Gifted Students. Prep. for High School and Higher Math by Francis Sganga

www.giftedpress.com/ADSGANGAMATHEMATICSWONDERS.htm

Soil/Water Quality

We look forward to the 6th graders focusing on Water Quality for the 4th year in a row on September 15th with Mr. Vernoy Murray of the [Rockdale County Water Treatment Plant](#). This will be our first lunch and learn for the year with small group, hands-on approach.

Bioengineering and Biomedical

Victory Garden Seed Germination/Soil Preparation for Pollination Project-Based Learning click below to learn why and how we can help!

Why We Are Helping: <https://youtu.be/JCI79nj4i-c>

Project-based Learning Support:

http://www.washingtonpost.com/politics/whats-all-the-obama-buzz-about-bees/2015/05/18/5ebd1580-fd6a-11e4-805c-c3f407e5a9e9_story.html

Energy and Sustainable Technology

By carpooling, you keep pollutants out of the air and reduce traffic. You save money and by using the uncongested HOV lane, you save time. In other words, you're part the solution. You're part of The Clean Air Campaign.

<http://www.cleanaircampaign.org/Your-Air-Quality-Transportation>

Our 8th grade students will continue the problem-based commitment to reducing the energy used for human consumption. Learn more about how our lifestyles in Metro Atlanta affect air quality to know why the students want change. ❖

Click <http://join.circlewithme.com/8L3b36> for our photo circle!

It's private - what happens in the Circle stays in the Circle

- Easier and cheaper than sending photos by text message
- Great for sharing student photos, program celebrations, or school events

Click [here](#) for apple download

Click [here](#) for Android App download

INTERDISCIPLINARY UNITS

8th Grade

NASA Roto Recovery Vehicle Challenge
<https://hannibalphysics.wikispaces.com/NASA+RRV+STEM+Challenge>

7th Grade

<http://www.turingsunflowers.com/>

6th Grade

Rock City Comes to MMS
<http://www.education.com/science-fair/geology/>

CALENDAR OF EVENTS

SPECIAL EVENT: RMSST PARENT & STUDENT INFORMATION SESSION

PLACE ROCKDALE MAGNET SCHOOL

TIME NOVEMBER 10, 2015 FROM 6:00PM-7:30PM

[HTTP://PORTAL.ROCKDALE.K12.GA.US/SCHOOLS/MAGNET/PAGES/8TH%20GRADE%20APPLICANT%20INFORMATION.ASPX](http://portal.rockdale.k12.ga.us/schools/magnet/PAGES/8TH%20GRADE%20APPLICANT%20INFORMATION.ASPX)

SPECIAL EVENT: SEAPEARCH ROBOTICS COMPETITION

PLACE GA TECH

TIME SEPT 10TH 8:45AM- 3:30PM

Go to [Seapearch Permission Slip](#) to see the 3 waiver forms each child will need to have completed by a parent/guardian to participate in the field trip.

SPECIAL EVENT: MMS SCOLIOSIS SCREENING IS SCHEDULE FOR OCTOBER 28TH

PLACE GYMNASIUM

TIME 9:00-11:30 AM AND 1:30-3:30

We need at least 12 volunteers for 8th grade in the morning and 12 for 6th grade in the afternoon.

Please email vclarke@rockdale.k12.ga.us our school nurse to confirm

CURRICULUM AT STEM LAB

STEM Lab

Optical Illusions help students challenge their perception and assist them in envisioning things in a new way. Give it a try by clicking http://kids.niehs.nih.gov/games/illusions/illusion_08.htm

STEM Institute

STEM Careers at Chick-fil-A



Digital Citizenship, STEM Wars, and our exploration STEM careers in the Food Industry

