



# The Kennedy STEM Spotlight

May 2, 2016

## Notable STEM Events

### TSA Team Wins Big at State Competition!

Kennedy's TSA team participated in the state competition on April 14-April 16 in Greensboro, NC. There, they competed against other middle schools across NC in a variety of STEM-related events.

Below is a breakdown of the winning events:

#### 3rd Place-Forensics Technology:

Angela S. and Emi T.

#### 3rd Place-Environmental Engineering:

Eowyn M., Tien L., Jonathan R., Sasha S., and Bayla F.

#### 3rd Place-Medical Technology:

Jordan R., Cameron D., Rachelle H., and Stephanie T.

#### 2nd Place-Construction Challenge:

Victor C., Sasha S., Bayla F., Tien L., and Mackenzie V.

#### 2nd Place-Prepared Speech:

Jordan R.

#### 1st Place-Promotional Marketing:

Rachelle H.

#### 1st Place-Mass Production:

Victor C., Antonio L., and Jabe T.

#### 1st Place-STEM Animation:

Bhuvani S., Mackenzie V., Tien L., Eowyn M., Emi T., Jonathan R., Sasha S., Bayla F., and Angela S.



\*A group of students will proceed to the National Competition in Nashville, TN from June 28-July 2. These students will compete against other schools from all across the United States.

*Good luck to them!*

## Notable STEM Events (continued)

### STEM Night at Kennedy Middle School

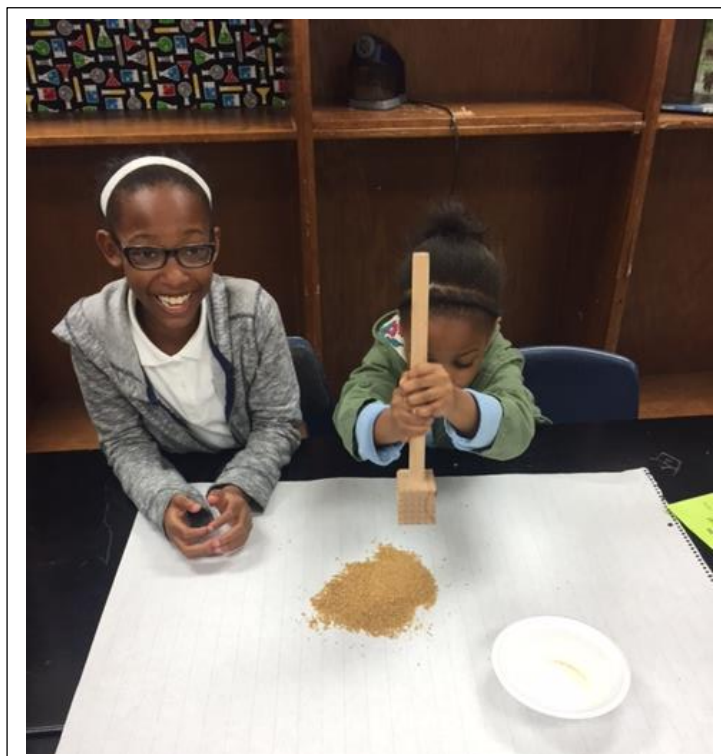
On April 12, Kennedy hosted its first STEM Night and it was a great success! During this event, current Kennedy families and rising 6<sup>th</sup> grade STEM students rotated through classrooms to take part in a variety of STEM activities hosted by teachers and local businesses. Such activities were making density towers, testing a polymer's absorbency, creating a video using the Stop Motion Animation App, detecting iron in cereal, coding, learning about decay by radioactivity, using the 3-D Printer site to design a bottle, designing a clay boat to withhold the most weight, and many more!

Throughout the night, students' names were called for some amazing door prizes like passes to the US National Whitewater Center, NASCAR Hall of Fame, Steele Creek YMCA, Chick-Fil-A, and Lake Wylie Bowl N Bounce. *Thank you to those businesses for their generous donations!*

*Also, a huge thank you to the following local businesses who came to share activities with our families: NASCAR Hall of Fame, Jackson Orthodontics, BASF Chemical, and Duke Energy!*

*Another thank you to Target at Stonecrest and local Harris Teeters for assisting with refreshments!*

**To check out some of the Stop Motion Animation App videos, visit this link:  
[tinyurl.com/kennedystopmotion](http://tinyurl.com/kennedystopmotion)**



## STEM Field Trips

### 6<sup>th</sup> Graders Visit the Schiele Museum

The 6<sup>th</sup> grade visited the Schiele Museum on April 11-14. While there, they participated in a roots, stems, and leaves lesson. Students revisited the structure of a plant and the function of each part. Some students were even called on stage to act out each part's function. Groups went on a search outside to identify tree types based on their leaf and trunk characteristics. Students also had a chance to visit the planetarium where they watched a video called, Super Volcanoes, on the humungous screen above their head.

### 8<sup>th</sup> Graders Visit the Blue Planet Water Treatment Center

To connect with the 8th grade's water unit, students toured the facility and further explored the following: the water cycle, how water gets to their faucet, what happens down the drain (Wastewater Treatment), ways to protect the environment, and how to be water smart.

## Kennedy's STEM Habits of Thinking

We encourage our students to apply these habits of thinking in all of their classrooms.

These are also skills and habits that people from a variety of careers exhibit on a daily basis.

**Inquire**

**Collaborate**

**Investigate**

**Innovate**

**Design**

**Reflect**

## Upcoming Events

May 2: Girls to Aviation Museum

May 10: Green Team Field Trip- Charlotte-Mecklenburg Recycling Center

May 25: EOG's

May 26: EOG's

May 27: No School

May 30: No School (Memorial Day)

May 31: Makeup EOG's

June 1: EOG's

June 2: EOG's

### EOG Proctor sign up

Families, we are in need of EOG proctors for our upcoming EOG assessments.

Proctors are needed for:

*Wed., May 25*

*Thurs., May 26*

*Wed., June 1*

*Thurs., June 2*

*Fri., June 3*

*Mon., June 6*

If you can volunteer for ANY of those days, please visit: <http://bit.ly/21jGpJo> to sign up.

# Photo Gallery

6<sup>th</sup> grade at the Schiele Museum



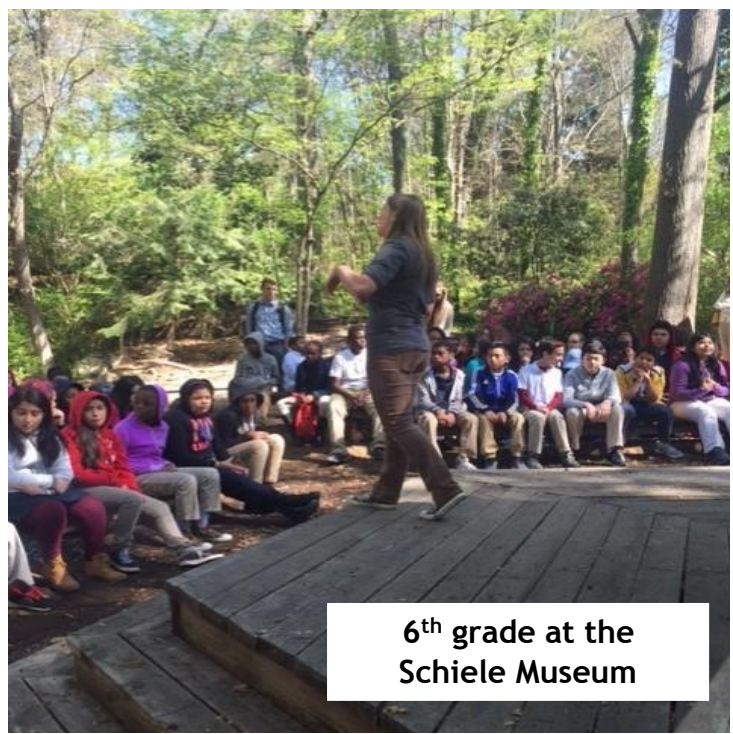
6<sup>th</sup> grade at the Schiele Museum



6<sup>th</sup> grade at the Schiele Museum



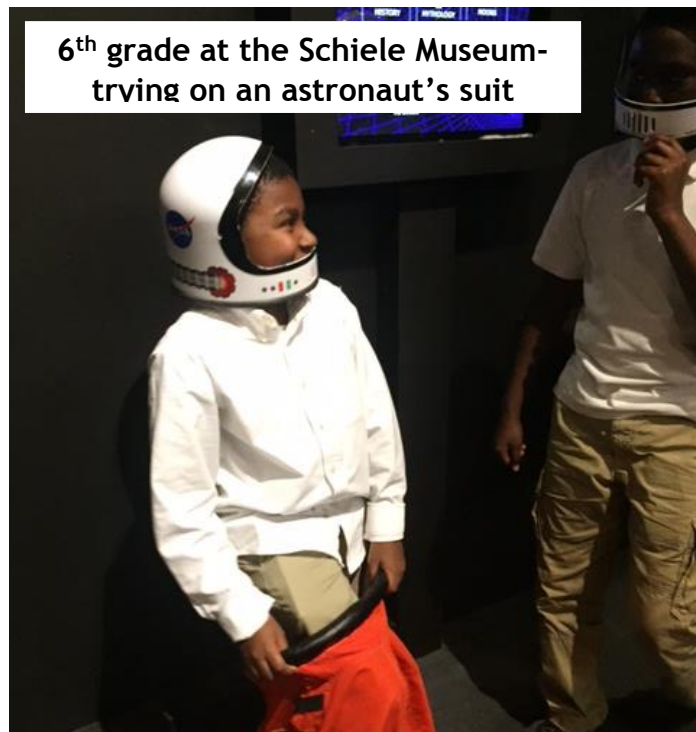
6<sup>th</sup> grade at the Schiele Museum



## Photo Gallery



6<sup>th</sup> grade at the Schiele Museum



6<sup>th</sup> grade at the Schiele Museum-  
trying on an astronaut's suit



6<sup>th</sup> grade at the Schiele  
Museum



TSA State Competition-VEX Robotics  
Team ready to compete!

## Photo Gallery

Alexander at the TSA State Competition wearing his lucky hat!



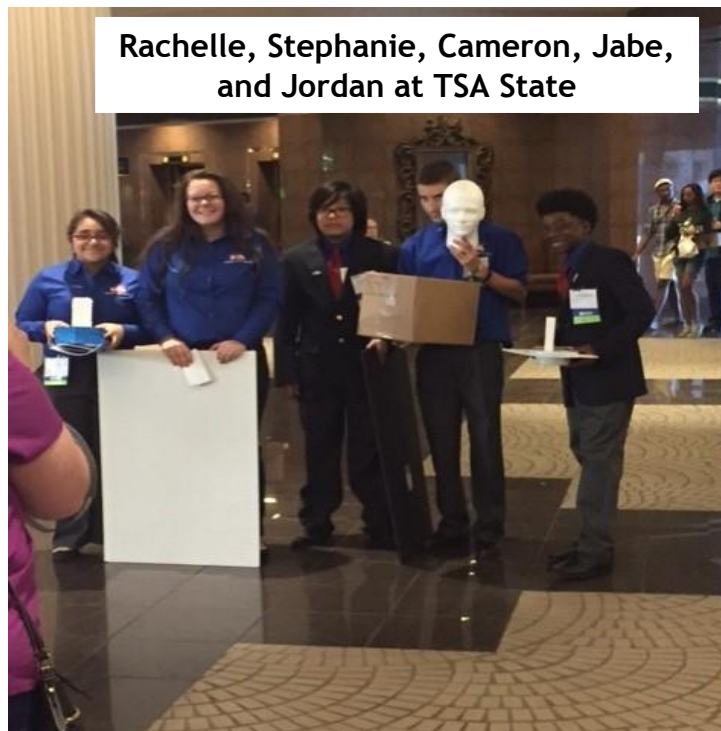
Jonathan and Nathaniel at the TSA State Competition



Antonio representing BioTechnology at TSA State Competition



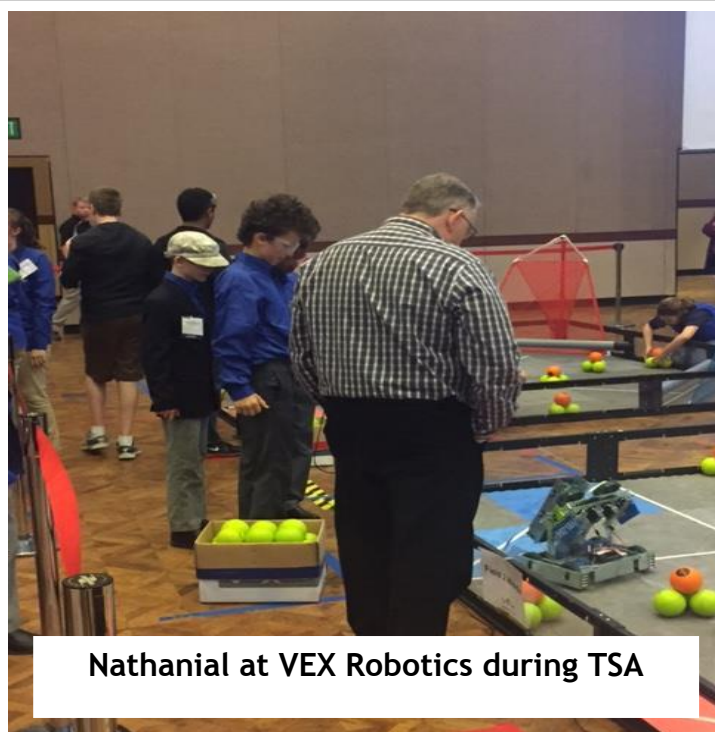
Rachelle, Stephanie, Cameron, Jabe, and Jordan at TSA State



# Photo Gallery



Bayla and Ruby at VEX Robotics during TSA



Nathaniel at VEX Robotics during TSA



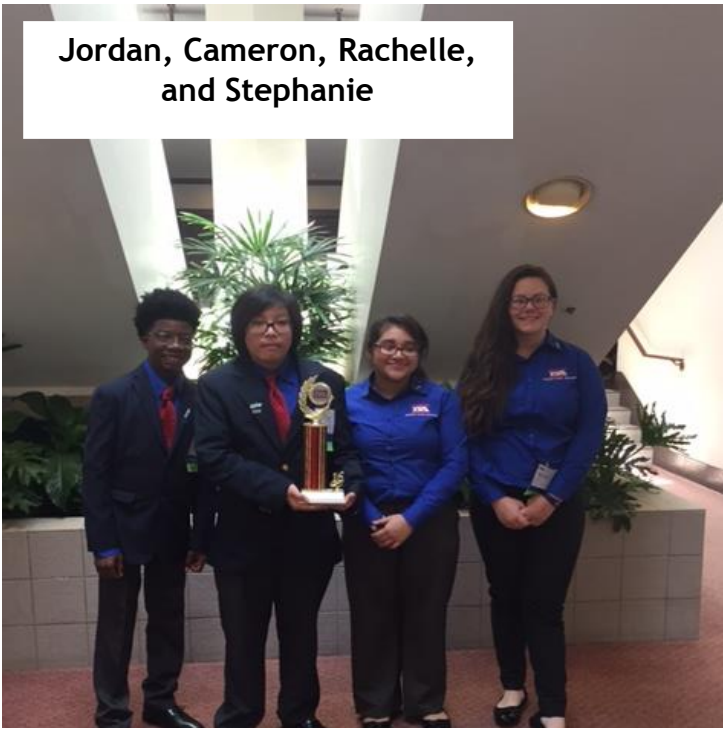
Eowyn, Tien, Jonathan, Sasha, and Bayla



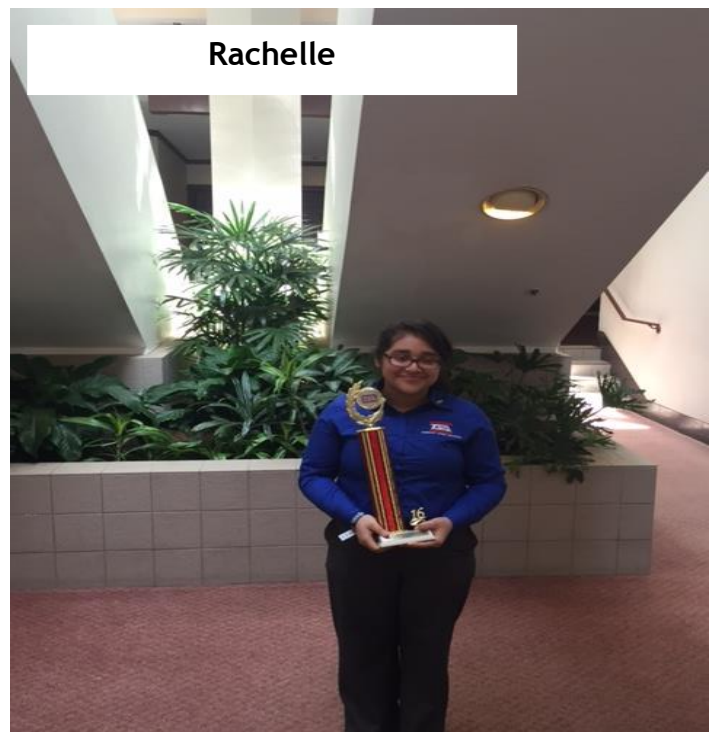
Bhuvani, Mackenzie, Tien, Eowyn, Emi, Jonathan, Sasha, Bayla, and Angela

# Photo Gallery

Jordan, Cameron, Rachelle,  
and Stephanie



Rachelle



Jabe, Victor, and Antonio



Jordan





# Photo Gallery

Victor, Sasha, Bayla, Tien, and Mackenzie



Emi and Angela



STEM Night-What Floats Your Boat

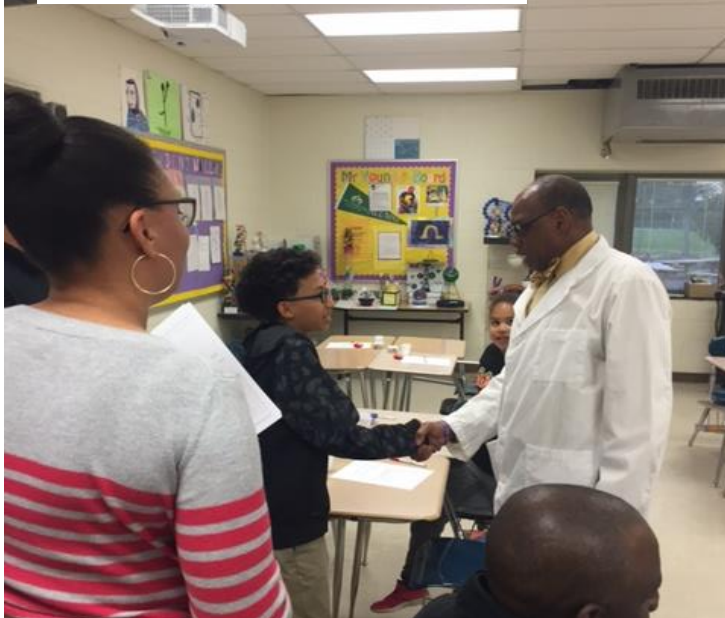


STEM Night-Marble Magic

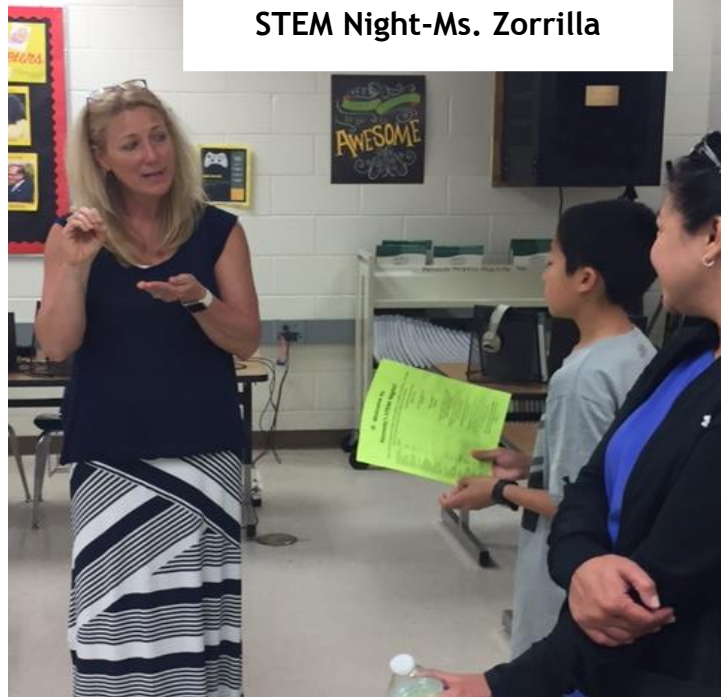


# Photo Gallery

STEM Night-Mr. Young



STEM Night-Ms. Zorrilla



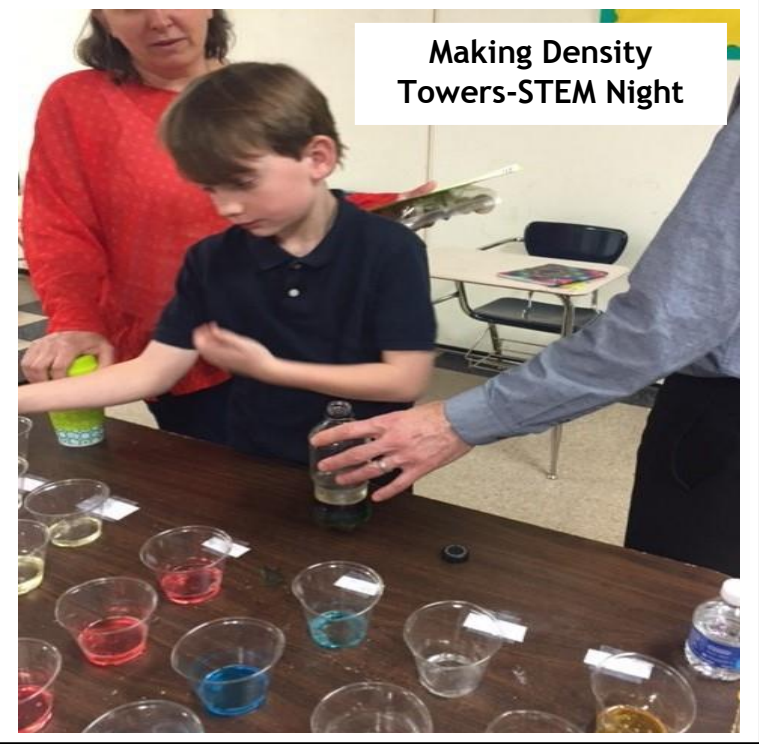
Stop Motion Animation-STEM Night



STEM Night-  
Stop Motion  
Animation



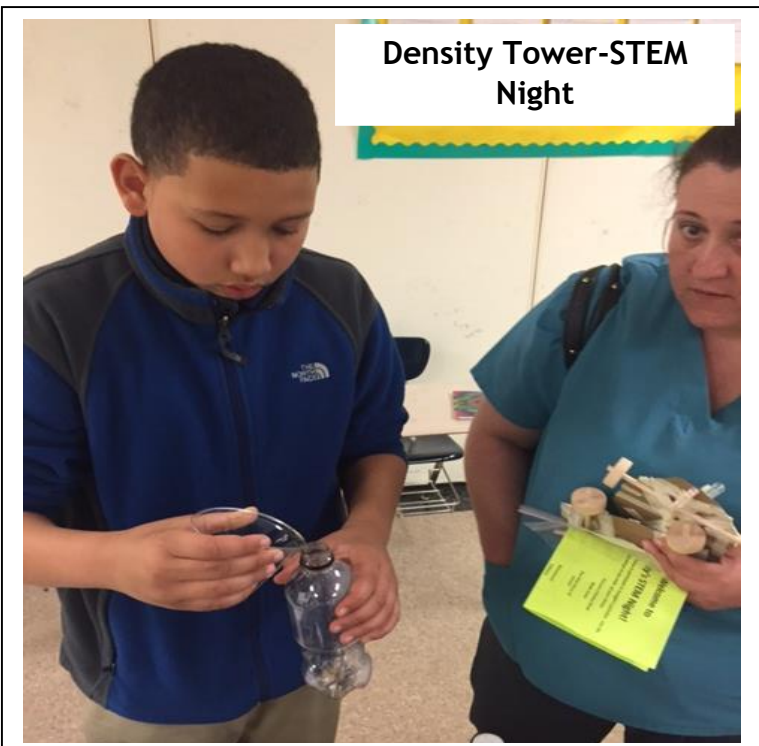
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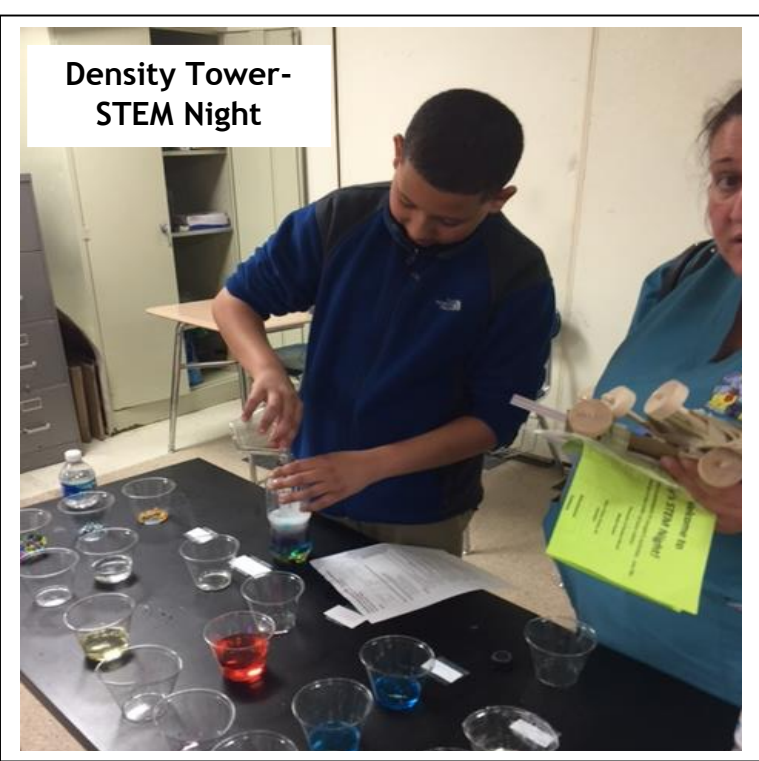
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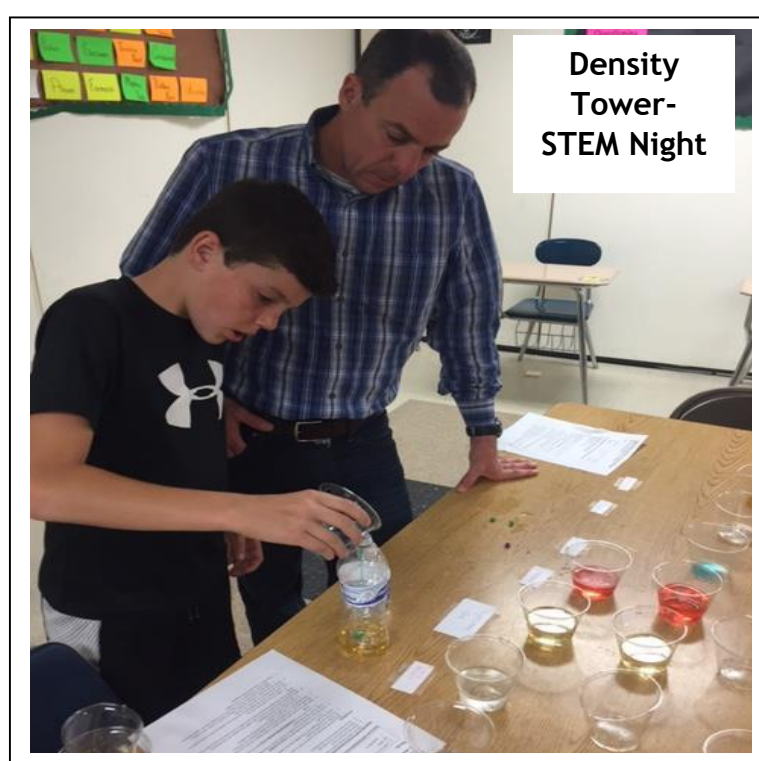
Density Tower-STEM Night



Density Tower-STEM Night



Density Tower-STEM Night



Density Tower-STEM Night

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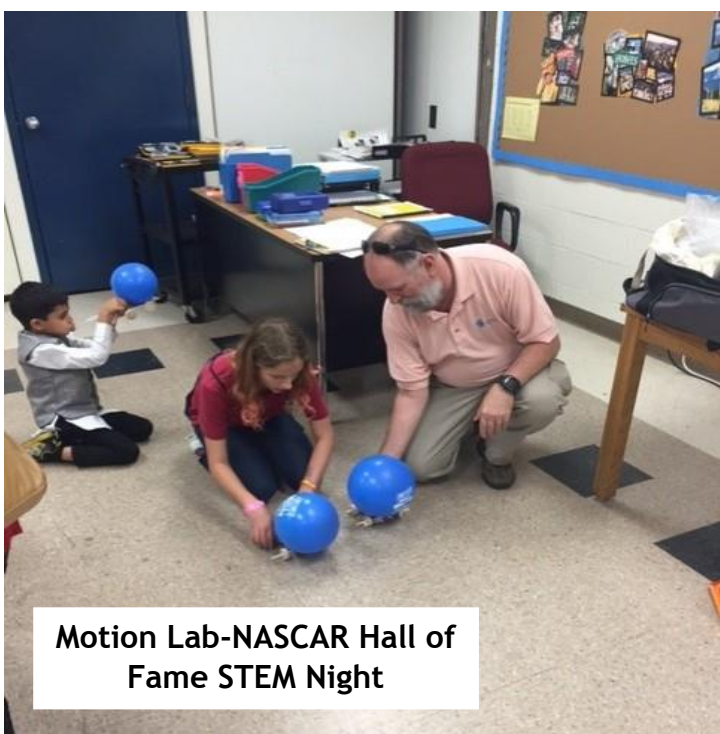
**Motion Lab-NASCAR Hall of Fame STEM Night**



**Motion Lab-NASCAR Hall of Fame STEM Night**



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**Motion Lab-NASCAR Hall of Fame STEM**



# Photo Gallery

Motion Lab-NASCAR Hall of Fame STEM Night



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Motion Lab-NASCAR Hall of Fame STEM Night

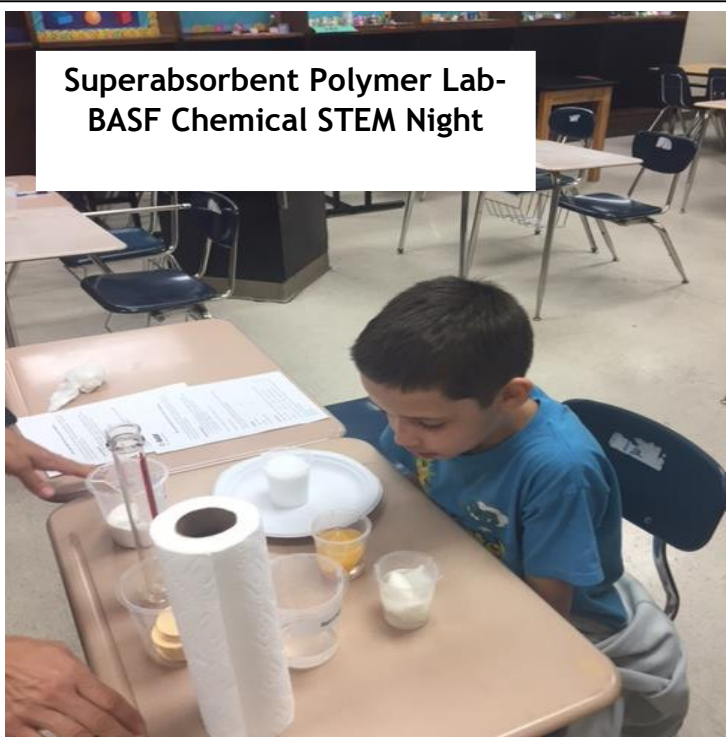


Motion Lab-NASCAR Hall of Fame STEM Night

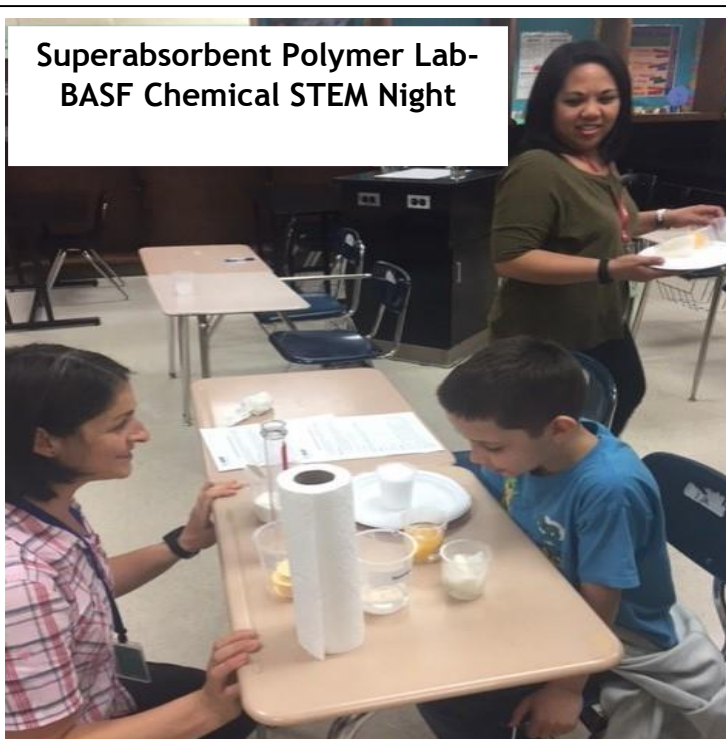


# Photo Gallery

Superabsorbent Polymer Lab-  
BASF Chemical STEM Night



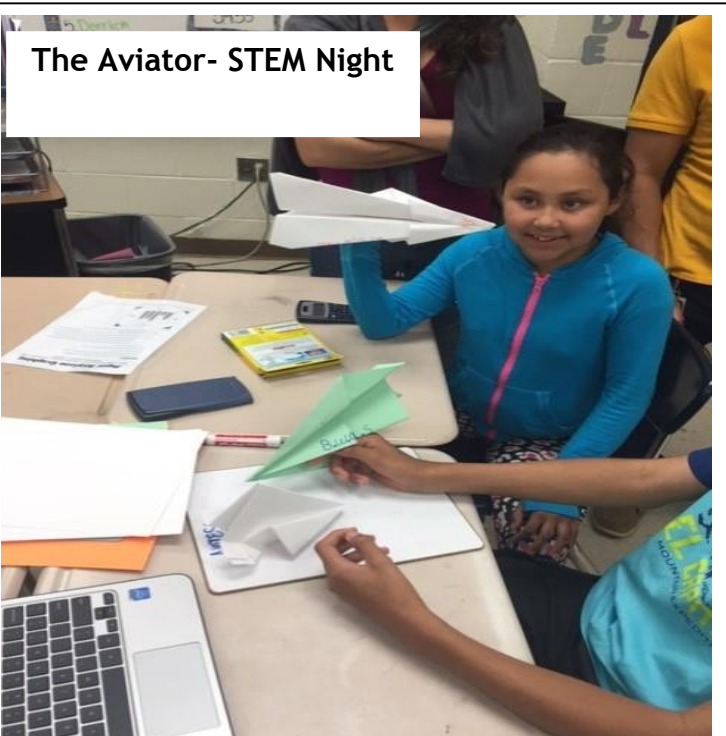
Superabsorbent Polymer Lab-  
BASF Chemical STEM Night



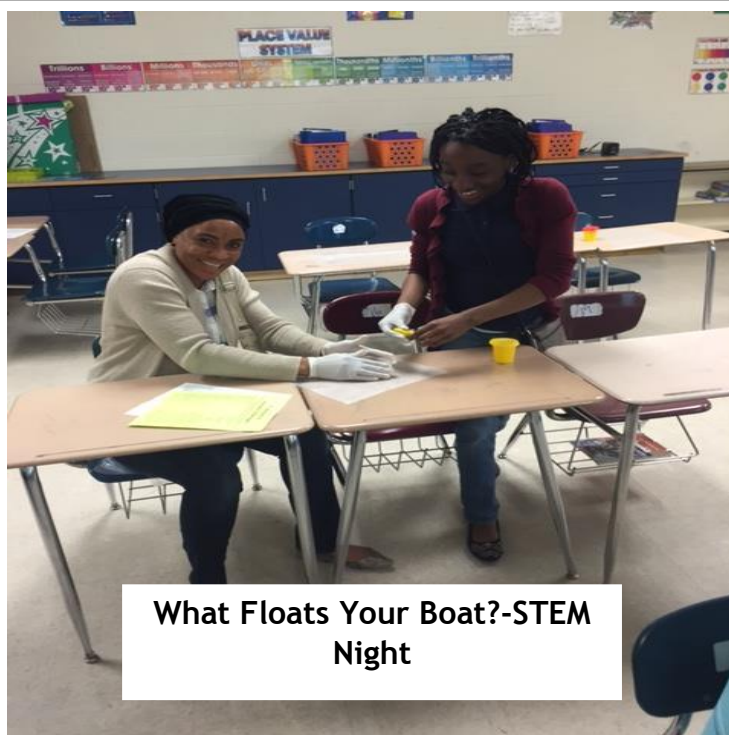
Playing it cool at STEM Night



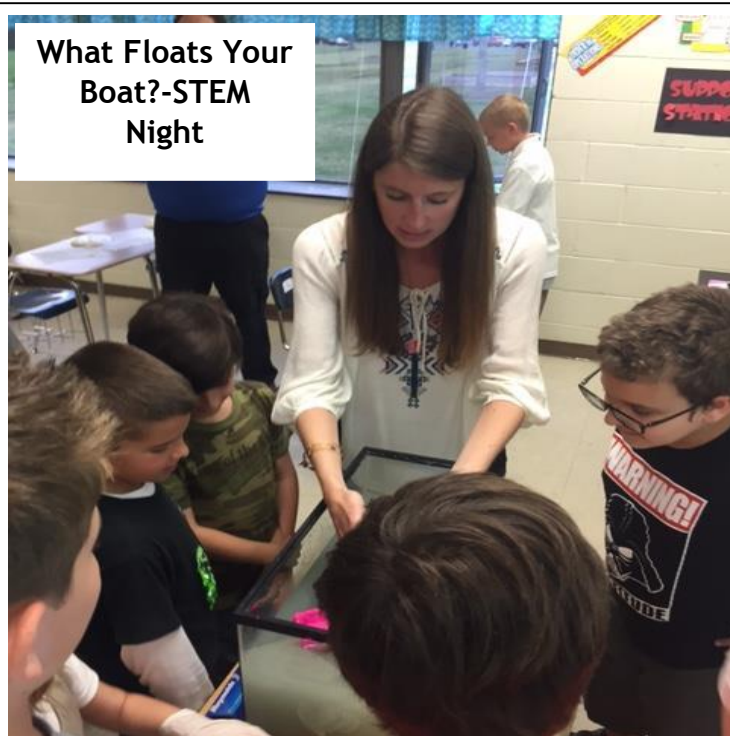
The Aviator- STEM Night



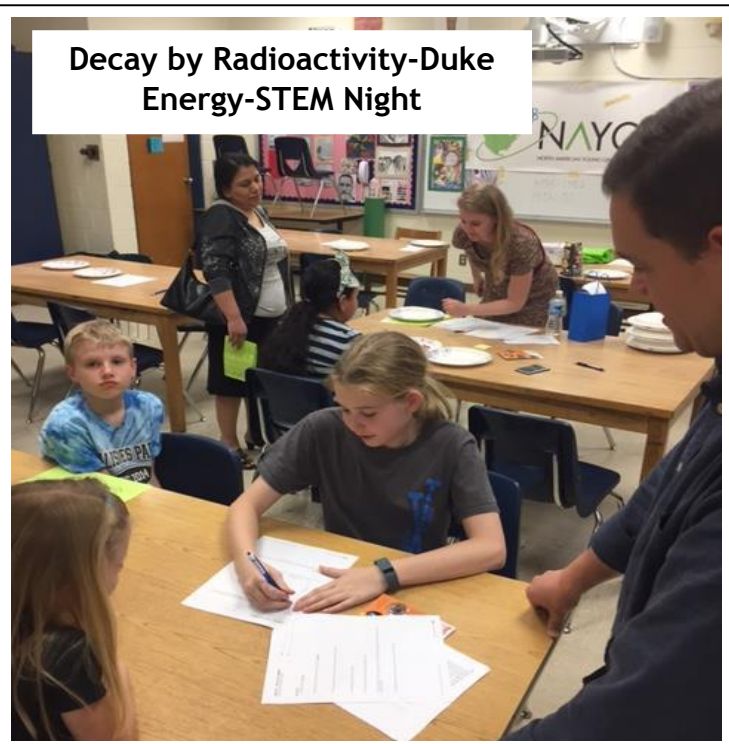
# Photo Gallery



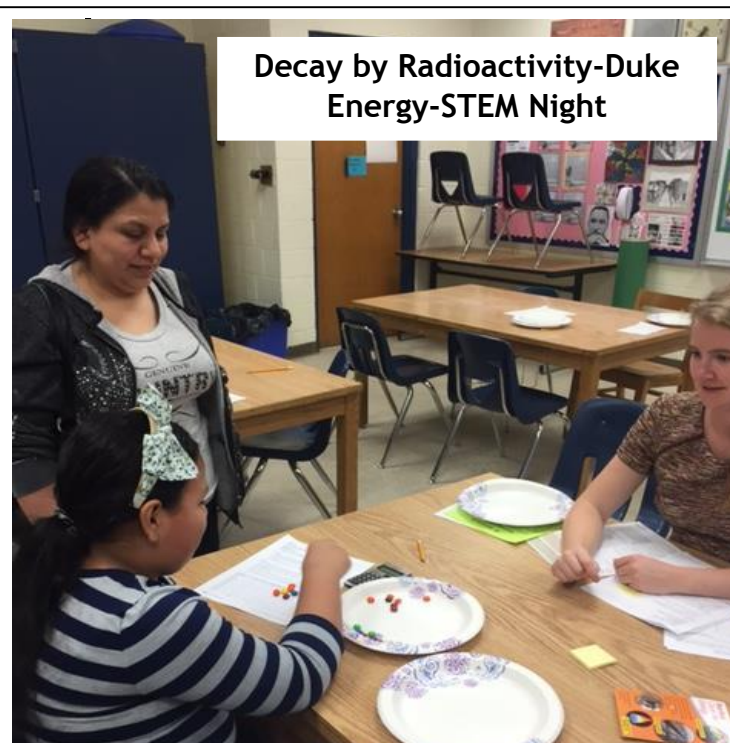
**What Floats Your Boat?-STEM Night**



**What Floats Your Boat?-STEM Night**



**Decay by Radioactivity-Duke Energy-STEM Night**



**Decay by Radioactivity-Duke Energy-STEM Night**

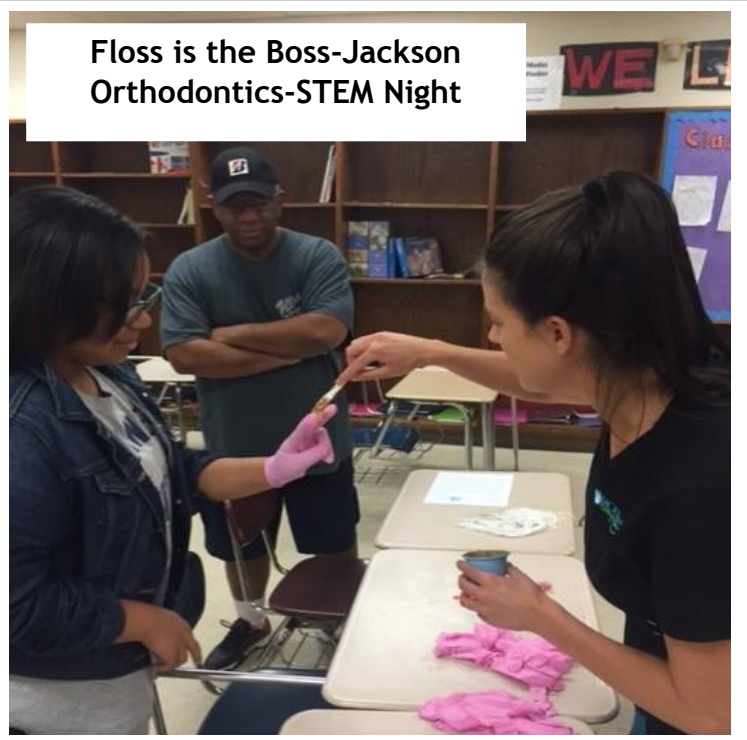


# Photo Gallery

**Testing our planes-The  
Aviator-STEM Night**



**Floss is the Boss-Jackson  
Orthodontics-STEM Night**



# Photo Gallery

8<sup>th</sup> Grade Trip-Blue Planet  
Water Treatment Center



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