



# UPWARD BOUND MATH & SCIENCE SIUE

Preparing students for the future

June — August 2017

Upward Bound Math and Science Newsletter

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# WELCOME!

## PREPARING FOR SUMMER FUN!!



Kenyatta Gailes poses with author Hybrie Janae

During the summer, a little fun is just as important as hard work. That is why our students met a famous author and attended a baseball game to get them prepared for balancing work and play.

On May 13 author Hybrie Jenae came to the SIUE East Saint Louis Learning Resource Center to give our female students a glimpse into her book *The Life and Times of an HBCU Drama Queen*. Jenae signed copies of her book which focused on how to love one's self throughout the challenges college can present. Many of our students were presented with the chance to chat with the author. Keyatta Gailes enjoyed the talk. "I was glad to hear from an author," Gailes said.

On another fun note, our students visited Saint Louis Busch Stadium and partici-

pate in the official rite of passage to summer—a baseball game! After dinner in Ballpark Village, our students saw the Saint Louis Cardinals bat off against the Milwaukee Brewers. The Cardinals gave it their best shot and students enjoyed the atmosphere of the park.



St. Louis's Busch Stadium

## SUMMER CLASSES

Summertime is a time for fun, but it is also important not to forget about the lessons of the school year. Here at Upward Bound Math and Science we want to make sure that our students are continuously challenged, so we spend the summer enriching their knowledge in the fields of Algebra 2/Trigonometry, Anatomy and Physiology, English, Spanish, French and computer coding—where students learned to make their own video games. In addition to regular school year classes, UBMS students can spend the



(Right) SIUE Spanish teacher Ana Harris has worked with UBMS for 10 years.



summer staying sharp for their return to the classroom in the fall. UBMS students will learn things that will take them into the college classroom and give them a head start on some of the most challenging academic endeavors that they will face in the future. Spanish teacher Ana Harris, who has worked with UBMS for the past ten years, agrees. "Students evolve and grow," she says of the UBMS program.

(left) Chanae Ferrell dissects a cat in Anatomy and Physiology class .

## FRIDAY WORKSHOPS

Upward Bound Math and Science is designed to provide students with an understanding of the careers and opportunities that are available to them. This summer's workshops focused on how to prepare for college—both academically and emotionally.

Programs from around the city sent representatives to the SIUE campus to talk with students about how taking care of themselves in college can help them succeed. On June 30th, Amber Brown of the SIUE Career Development Center presented students with information on how to communicate with scholarship providers and other important college officers. Later that day Dr. Laurie Punchner and Dr. Linda Markowitz gave a presentation about sexual identity and issues affecting the LGBTQ community. Many students face identity changes and the challenge of fitting in with new communities during their first years of college ,and our students will be prepared to take care of themselves.

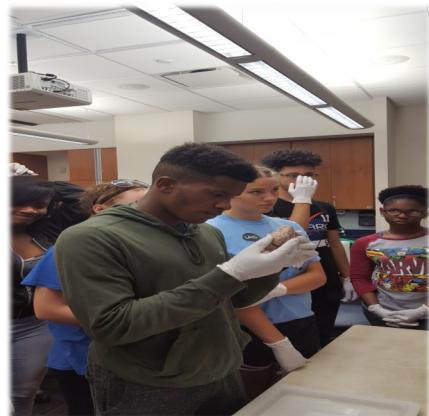
Taking care of oneself in college also includes learning how to take care of the earth

and becoming environmentally aware. On this note, July 7th was the day that students donned their hardhats and visited The SIUE National Corn to Ethanol Research Center (NCERC). Students learned how to sustain earth's resources by using corn to make ethanol—which can be used to fuel cars and is less harmful than petroleum-based fuel.

On Friday, July 14th Gina Walker from Inspired Incorporated, talked to our students about emotional management. Students were given scenarios which tested their emotions and challenged them to keep control. Students were instructed on how handle each situation for the best outcome. The college atmosphere, with it's academic and emotional challenges can test students, but thanks to Gina Walker, our students will do fine!

Another potential college challenge is excelling in sciences classes. On July 21, Washington University's Anatomy and Physiology teaching team hosted

an Anatomy and Physiology workshop. Students were taught about functions of the body. For example, to explain the function of the cerebellum students aimed a ball at a target various times, taking note of how often they missed due to cerebral recalculations.



*Antonio Darough examines a goat brain*

## SUMMER TRIP: UBMS TAKES ON TENNESSEE !!

It is that time of the year again when students add to their travel expertise by heading out of their comfort zone. This year, UBMS students took on Tennessee—Nashville and Memphis to be exact. On July 31, students left the East Saint Louis Center in the wee hours of the morning and headed to Tennessee. By 10:00 a.m. they were awake and touring Tennessee State University campus in Nashville. After lunch, they toured Fisk University, as well as The Hermitage which was the home of the seventh president — Andrew Jackson.

The next day, students arrived in Memphis and explored the University of Memphis campus where they checked out the class buildings and lecture halls that shaped famous black leaders such as Oprah Winfrey and musician Carla Thomas.

Students also participated in the Heritage Black History Tour. On this tour, students checked out the Slave Haven Un-



*.Students enter slave cabins at The Hermitage*

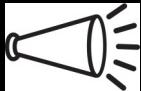
derground Railroad Museum where they learned about the quilting signals, songs, and hidden rooms that made this stop on The Underground Railroad crucial to the railroad's success. Student Kelsey Simmons enjoyed the museum. "The museum was absolutely amazing," Simmons said. "It was interesting learning about the white people who helped the slaves. I'd go again if I had the chance."

On August 2, the final day of the trip, students started the day off on a serious note by visiting the National Civil Rights Museum. The museum hosts facts about the life of Dr. Martin Luther King, as well as housing exhibits about key events in the Civil Rights Movement. Although the trip was filled with sobering information, students learned how past generations dealt with segregation and racial discrimination.

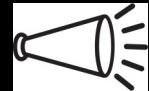
After a stop by the Stax Museum of American Soul, students were back in East Saint Louis by 9:30 p.m. and armed with plenty of knowledge about Historically Black Colleges and Universities as well as the Civil Rights Movement.



*Students pose with the University of Memphis Tiger*



# ANNOUNCEMENTS



## Director's Desk

"William Durant said that education was 'a progressive discovery' and our students are really progressing this summer. I've watched them growing, discovering and changing and it's great to see!"

—Elke Harris McIntosh, UBMS Program Director

## Teen Summit 2017

Clarence Sumlin hosted the second year of Teen Summit workshops for students this summer focusing on college preparedness. Workshops included FASFA practice and research-based exercises that familiarized students with the requirements for entering college and their fields of study. Also, students were given workshops on character building through games such as a game where Jenga blocks were used to represent virtues such as "respect" and "integrity". Students were given scenarios that potentially eroded these virtues and it was their challenge to keep the Jenga block towers from collapsing. "Students got really into it. I was surprised and pleased," Sumlin said. For next year's Summit, Sumlin plans to prepare students for financial responsibility with credit responsibility and tax-filing sessions.



Sumlin (center) teaching students through games

## Upward Bound Math & Science Summer Staff

Elke Harris -McIntosh: Program Director  
Candi Johnson: STEM Coordinator  
Septembre Lewis: Program Counselor  
Andrea Wigfall: Resident Hall Supervisor  
Clarence Sumlin: Resident Hall Counselor  
Curtis Lewis: Resident Hall Counselor  
Joy Johnson: Day Monitor  
Martell Cotton: Day Monitor  
Rene Smith: Dept. Info Supervisor

## SCIENTIFIC EVENT ALERT !!

A total solar eclipse will happen on August 21, 2017. A total solar eclipse is when the moon is directly between the earth and the sun—thus, blocking the view of the sun for some of earth's inhabitants. STEM Coordinator Candi Johnson, educated our UBMS students on eclipses. Armed with knowledge, and a UBMS pair of eclipse-viewing glasses, students will be ready for a one-of-a-kind Midwestern experience. We hope you, and your UBMS student, will be on the lookout for this astrological marvel!



### Did you know ?

## East Saint Louis History Fact

UBMS is part of the East Saint Louis community and, as such, we should know about some of the people from the community who did great things for the country.

Cecile Hoover Edwards was born in East Saint Louis, IL on October 26, 1926. She graduated high school at age 15 and attended Tuskegee Institute where she graduated with a Master's Degree in Organic Chemistry in 1947. After getting her PhD in Organic Chemistry from Iowa State, she went back to Tuskegee to teach from 1950-1952. She eventually went to Washington D.C. where she served as a nutrition professor at Howard University. She is credited with later establishing Howard University's first PhD program in nutrition.

## Shout out to all of our Summer Birthdays!!

Eyja, Wilisa, Stepheny, Damien, Jermaine, LaKindra, Jackie, Raven, Dawnelle, Chanae, Kenyatze, Tiana, Davontay, Darielle, Shayla, and Dasia



### **Special Thanks To:**

*Septembre Lewis and Candi Johnson for taking the time to carefully plan our Tennessee trip. We never would have had such fun without your help!*

Drury Inn  
Tennessee State University  
Fisk University  
The Hermitage  
Opry Mills Shopping Center  
University of Memphis  
Slave Haven Underground Railroad Museum  
WC Handy Memphis Home Museum  
The National Civil Rights Museum  
Beale Street Historic District  
Stax Museum of American Soul Music  
Lambert's "Home of Thrown Rolls"

### **Acknowledgments**

We would like to say thanks to all the stakeholders, students, parents and mentors who have worked with us over the years. Thank you for your time, energy and contributions. We appreciate you!

### **Contact us**

#### **SIUE EAST SAINT LOUIS CENTER**

Upward Bound Math & Science  
601 J.R. Thompson Blvd-Bldg. A  
East Saint Louis, IL 62201  
Phone: 618-482-6969  
Fax: 618-482-6990  
Email: [sieubms@gmail.com](mailto:sieubms@gmail.com)

**Find us on Facebook, Search:**

**Elke McIntosh (Upward Bound Math-Science)**



## **Open Recruitment**

Know a friend who **LOVES** Math & Science, in the 11th grade who would be a good fit for UBMS?

**Tell them to apply **NOW****  
**We have just a few spots left.**

*Applications can be found at:*

*<https://www.sieue.edu/upward-bound/math-science/index.html>*

### **Important Upcoming Dates**

#### **Fall Saturday Session Meeting Dates:**

October 14th & 28th  
November 11th  
December 9th



**Upward Bound Math and Science**