



UPCOMING EVENTS:

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Career Exploration * Liberal Arts * Civic Learning

A LOOK INTO APRIL



IDOT Career Day Event

Upward Bound Math & Science students attended an all-day field trip to the Illinois Department of Transportation Career Day on April 9th to explore different career options within the transportation industry. The students had the opportunity to learn about several transportation and engineering-related careers through hands-on activities, exhibits and heavy equipment demonstrations.

Black Theatre Workshop

April 9 also afforded the students the opportunity to attend a theater production that highlighted the controversial verdict of the Trayvon Martin Case presented by the Southern Illinois University Edwardsville's Black Theatre Workshop. The production showcased a campus' response to the verdict that shocked the Nation through music and dance.

Youth Government Day 2014

Many of our Students traveled to Springfield, IL on April 5th to attend the Youth in Government Event hosted by Southern Illinois University's Paul Simon Public Policy Institute. This event benefited young adults with an interest in public service, a political career, working for the government, or simply experiencing what government/political positions are all about. Upward Bound Students listened to State Rep. John Anthony and Jehan Gordon-Booth speak on their respective interests as well as toured the Abraham Lincoln presidential Library and Museum.



Students in the Spotlight



Paris Patterson



Ed Flemming



Brian Brown



Marcus Brown

We have many reasons to be proud of our Upward Bound students this year! The students have been involved in many special events, productions and working hard on their academic achievements! In June we had three of our Upward Bound Students compete at the National Beta Club Convention. Paris Patterson, Edward Flemming and Brian Brown traveled to Virginia to represent East St. Louis Senior High School and placed in the top ten out of 23 schools! A Job Well Done!

We also have students who's hard work has paid off and should not go unnoticed! Con-

gratulations to Brian Brown who achieved a **28** on his ACT and Brandy Brown being elected as Senior Class President at ESLHS! Further acknowledgements are due to students who earned or maintained a 3.5 GPA or higher this year! Congratulations to: Stephanie Anderson, Daria Atkins, Xavier Bonner, Brandy Brown, Brian Brown, Naeelah Chism, Kevneisha Guyton, Le Andrea Haley, Karmen Haywood, & Zaria Wicks.

Additional Good Luck to Marcus Brown who traveled to Florida to compete in the AAU National Basketball Championship games in July!



Trio Summer Program



During the summer students received academic counseling from Ms. Sams in both a group and individual setting. Students were counseled on various topics which included selection of majors, colleges, scholarships and financial aid. *Pictured: Ms. Sams, Marcus Brown, Le'Andrea Haley, Brian Brown, Donovan Crowder, Kevneisha Guyton, Chanda Wallace*

On June 5th Parent's and Students geared up for the Summer Session during orientation to prepare the student's for their last summer session on SIUE's main campus.

Upward Bound Student's began moving into Bluff Hall on June 23rd. On

the first day students participated in a student orientation and began setting up their rooms.

After lunch the students broke off into groups and toured the campus and walked to their classes. After the tour the groups came back to-

End of the Summer Senior Trip!

We are looking forward to the Senior Trip to our Nation's Capital in Washington D.C.



The trip this year is scheduled from July 27th through August 1st!

gether and participated in a Campus Safety Presentation presented by Officer Shindler of the SIUE Police Department. The student's asked good questions on college, personal and Internet safety and even saw a small demonstration of a police taser.

Meet Summer Staff: Summer Graduate Assistants



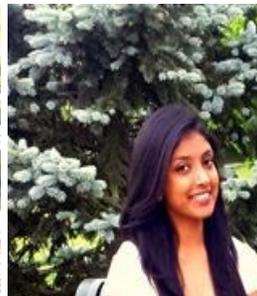
Bharath Reddy Konatham is a SIUE Graduate Student in the School of Engineering and is our summer instructor for Science and Math Prep.



Karthik Yenumula is a SIUE Graduate Student in the School of Engineering and is providing the Students instruction on Computers.



Lara Jennings is a SIUE Graduate Student in the School of Social Work and works as office support for the summer session.



Preethi Thakur is a SIUE Graduate Student in the School of Engineering and is also providing Computer instruction to Students this summer.

A special THANKS to our former Graduate Assistances!

We would like to say thank you to our graduate students who were with us throughout the past academic year from October-May.

Sai Panyam—Science

Neetha Reddy— Computers

Lara Jennings— English

Shiva Damera— Math

Meet Summer Staff: Counselors

Through out the years we have had many opportunities to get to know and work with some great counselors.

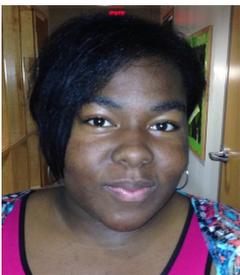
Our staff is comprised of a head counselor with 2 day time Teacher assistants who assist in classroom activities and 2 night dorm counselors.



A special thanks to Septembre Williams for being a big part of the Upward Bound Program and our Student's lives.



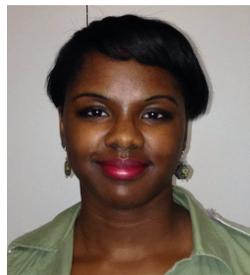
Clarence Sumlin; better known to us as CJ is one of our Night Dorm Counselor's and we would like to Thank CJ for his 5th year of service with Upward Bound Math & Science!



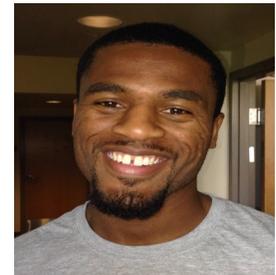
Andrea (Tasha) Wigfall
Head Counselor



Joy Johnson
Teacher Assistants



Resie Wilson-Wiley
Teacher Assistants



Curtis Lewis
Night Dorm Counselor

Summer Workshops

During the summer session Friday's are set aside for Student's to get outside the classroom and engage learning through designated workshops. The summer workshops are focused around STEM and college prep topics. The first Workshop was held on June 27th in which Students visited Anderson Hospital in Maryville, Illinois. This workshop is a Career Shadowing ac-

tivity that gave students the opportunity to gain awareness of various professional positions within a hospital setting. Some of these careers included: radiology technicians, nurses, IT Specialists, security officers and health management dieticians.

On July 11th Students joined forces with the National Corn to Ethanol Research group (NCER) on campus to learn about the advancement and research of biofuels.

The next workshop on July 18th Students ventured over to the new science building

located on SIUE's campus for STEM related activities.

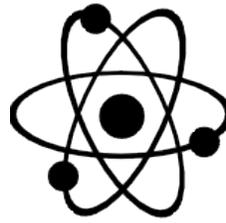
Additional workshops were put on by the counseling staff and current graduate students that facilitated round table discussions over various college related topics lead by the Student's questions. The first Round Table discussion was held Monday night July 7th. Our students had great questions for our volunteer panel! Students had the opportunity to discuss in greater detail topics that are not usually brought up during regular orientations such as, the importance of finding out if colleges or programs are accredited or are not accredited. The students participated in 3 round table discussions this summer!



Pictured: Martell Cotton, Naeelah Chism & Kevneisha Guyton.



Jump into STEM!



Science * Technology * Engineering * Mathematics

STEM Challenge Team Winners



Overall Winner

Team LCD

Le' Andrea Haley
Darwin Harris
Chanda Wallace

Long Distance

Team JBE

Brandy Brown
Edward Fleming
Jaylon Cotton-McKire

Obstacle 2

Team Blue Lighting

Martell Cotton
Markeisha Hill
Isaiah Ray

Transportation

Team B-Mac

Brian Brown
Marriel Hill
Alexus Malone
Courtney Sykes

Fastest

Team DCMX 2

Mikiyah Bell
Xavier Bonner
Charzae Brown
Donovan Crowder

Summer STEM projects



STEM Car Project



All summer long the Upward Bound Students have been working on building and fabricating their own car models from scratch. For this task the students gathered into teams and worked together on building their car. The students made their cars out of common household materials such as cardboard, paper plates, tape, balloons and string. In addition to designing the model of the car the students were also responsible for designing their own power system to power and operate their car.

After weeks of work on their cars Students had the chance to compete their cars against one another in the Great Car Challenges on July 22nd! The teams competed their cars in 4 different categories which included: an obstacle course, a wind tunnel, cargo, endurance, speed and durability. Winners from these events are listed on the left hand side.

On July 24th the student's presented their findings and experience to their fellow colleagues. In their presentations the groups discussed what went well for them, what limitations they found and their overall experience they had with the project. Judges selected a winner for the overall best presentation. We would also like to say thank you to Derek Twente who joined us after the presentations to talk about his career experience working as an engineer.

Candice Johnson joined the Upward Bound Math & Science Team in March 2014. Mrs. Johnson is the Program Coordinator who is responsible for organizing and writing our STEM curriculum. She has been working closely with the Graduate Assistants on implementing various STEM projects and we look forward to working with Mrs. Johnson throughout



the academic school year!

Pictured: Mrs. Johnson)



Students working on designing catapults. *Pictured: Jaylon Cotton-Mckire, Marriel Hill, Darwin Harris & Golden Apple Teachers Assistant- Jacob*

A special Thanks goes out to our Golden Apple Students for all your assistance this summer!

Thank you Jacob & Elsa!

Additional THANKS to our NOYCE Intern, Aaron Morris for all your hard work this summer!



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***Empowering People
Strengthening Communities***

RECRUITMENT/SERVICES

The **Upward Bound Math and Science** Center of Southern Illinois University Edwardsville East St. Louis Center is designed to prepare participants for post-secondary education and motivate their exploration of science, mathematics and related education professions. Math and Science is funded through the US Department of Education. Participants are selected for participation according to Federal Guidelines of being low income and/or potential first generation college graduates.

The Math and Science participants receive tutorial instruction in science, mathematics, language arts, foreign language and computer/laboratory instruction. The Program is conducted on the Southern Illinois University Edwardsville main campus where University faculty members instruct introductory courses.

- Education and financial aid
- Personal and career counseling
- Academic advisement
- Cultural and recreational fieldtrips and workshops
- Student Leadership Conferences
- Residential summer campus experience
- STEM activities
- Summer Career Shadowing

TRiO

UPWARD BOUND MATH·SCIENCE

“Preparing Students for the Future”