

# HARRIS-STOWE STATE UNIVERSITY

## SCIENCE & MATHEMATICS ACADEMY

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Summer 2011 Volume 1, Issue 4

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Director's News

2011 Science and Mathematics Academy Fair



## Congratulations and time to celebrate!

Greetings,

The scholars of the 2011 Science and Mathematics Academy ended the five-week pre-college summer program on a high celebratory note! The 2011 Science and Mathematics Academy Fair on July 30, 2011, was a huge success. Preparing for the big day was an exciting time.

Each student group was randomly assigned to collaborate and conduct research with a HSSU faculty member. Many creative ideas were shared among great minds. The students' research projects varied in topics from Fibonacci Numbers to Reproduction to Pendulums and Earthquakes.

Thank you to the various HSSU faculty members who collaborated and advised the students with their research projects. The students proudly demonstrated to their family, peers and the HSSU community their academic accomplishments. All of the excitement is captured in pictures.

The keynote speaker for the celebration was Mr. Reginald Robinson, an accomplished aeronautical systems engineer at Boeing. Mr. Robinson gave an excellent presentation on the value of a science, technology, engineering and math (STEM) education to the audience. His presentation also showed how a STEM career could make a "world of difference" in society.

After a short summer break, the 2011 Science and Mathematics Academy students will return to HSSU ready to excel in their freshmen classes.

Stay tuned because the best is yet to come!

Dr. Tommie Turner

# 2011 Science and Mathematics Academy Fair

The following pictures show the student groups, instructors and research topics presented at the fair:

## Group A-Robotics

Instructor- Mr. K. Bowman

- Robotic Arm



## Group B-Physical Science & Chemistry

Instructors- Drs. J. Balakrishna and W. Brooks

- Pendulums and Earthquakes
- The Chemistry of Making Ice Cream



## Group C-Mathematics

Instructors- Ms. G. Clark and Ms. V. O'Neil

- Fibonacci Numbers



### Group D-Biology

Instructors- Dr. A. Bashir and Mr. R. Ealy

- Saturated and Unsaturated Fats and Obesity
- Decomposition Column
- Eco Column
- Water Cycle Column
- Terra-aqua Column
- Reproduction



### Technical Writing

Student Abstracts

Groups A & B

Instructor - Dr. R. Anderson

Groups C & D

Instructor- Ms. April Warren-Grice



The keynote speaker, Mr. Reginald Robinson, presented the tools that are necessary to be successful in a STEM discipline: stay in school, study hard and do not give up! Also, Mr. Robinson presented the financial benefits of STEM careers. Finally, he spoke about the challenging and tangible results that STEM careers contribute to society. Great job and thank you!

