

HARRIS-STOWE STATE UNIVERSITY

SCIENCE & MATHEMATICS ACADEMY

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As the Director of the Institute for Sciences and Mathematics let me begin by saying **CONGRATULATIONS** to the 2012 Science and Mathematics Academy participants. The students began their five-week summer journey at Harris-Stowe State University with the White Lab Coat Induction Ceremony. I appreciate Dr. Beronda Montgomery, a plant biologist at Michigan State University, for being the opening keynote speaker.

Also during the summer program, the students were engaged in academic classes taught by various Harris-Stowe State University faculty, heard aspiring presentations from guest scientists and engaged in weekly science, technology, engineering and mathematics (STEM) field experiences. The students were definitely exposed to STEM opportunities and college life at Harris-Stowe State University.

The academy students ended the program by showcasing their respective group projects at the closing Science Expo/Fair. I am grateful to Dr. Jayashree Balakrishna for her creative spirit by adapting and coordinating the murder mystery themed Science Expo. Also, thank you to all of the Harris-Stowe State University STEM faculty who worked every week with your respective student groups. Finally, I appreciate Dr. Travis Brown, program manager at the Center for STEM Diversity at Tufts University, for being the closing keynote speaker.

Researchers are uncovering new STEM discoveries daily. As the students study and prepare today there are numerous opportunities to uncover in the future for our Harris-Stowe State University 2012 Science and Mathematics Academy students. The sky is the limit!

Best,

Dr. Tommie Turner



The 2012 Science and Mathematics Academy White Lab Coat Jacketing Ceremony

The opening “Lab Coat Jacketing” ceremony was a huge success and a celebration for the incoming academy students. In the presence of supportive family, friends and the Harris-Stowe academic community, all selected participants were inducted into the 2012 Science and Mathematics Academy. Each student received their Science and Mathematics Academy lab coat and certificate of membership.

Dr. Beronda Montgomery flew to St. Louis from East Lansing, Michigan, to participate in the special day with the academy students and their families. She gave an inspiring presentation on her plant biology research at Michigan State University and her motivation on being a scientist. Dr. Montgomery and the Harris-Stowe State University faculty welcomed each student into the summer academy.



SCIENCE, TECHNOLOGY, ENGINEERING AND MATH (STEM) FIELD EXPERIENCES

During the summer, the academy students experienced diverse STEM field experiences ranging from competitive team engineering challenges to conservation of animals to biodiversity of plants. These engaging adventures included Parks College of Engineering, Aviation and Technology at Saint Louis University, the Herbarium at the Missouri Botanical Garden, the Saint Louis Zoo and the Donald Danforth Plant Science Center. Watch out because the students definitely showed their creativity and curiosity!



2012 SCIENCE AND MATHEMATICS ACADEMY CLOSING SCIENCE EXPO

The five-week enrichment academy successfully ended on a high note. Harris-Stowe State University President Dr. Albert L. Walker was present to personally congratulate the students and their families. Dr. Travis Brown's compelling advice on "Clear Eyes, Full Heart, Can't Lose" provided the perfect tools for the students to be successful in STEM. Under the guidance of a Harris-Stowe State University STEM faculty member, the students showcased their group projects at the expo. Congratulations and way to go!

