STUDENTS IN THIS PROGRAM WILL:

- Learn how to create their own web page
- Learn about web-page design and how to use an eye tracker to analyze their web page.
- Learn about the interdisciplinary area of Human Factors/Ergonomics and Human Factors Psychology.
- Learn about some important science concepts as students create content for their web page, which is aligned with the Alabama Course of Study.
- Be exposed to 21st century STEM careers
- Improve their understanding of effective teams.
- Improve presentation skills.
- Improve research skills.
- Learn about an innovative approach that integrates science, technology, and research skills in a fun and exciting program.
- Receive a $200 stipend at end of program.

APPLICATION INFORMATION

Who Should Apply?
Students in grades 9–11 from Macon County schools.

Registration Deadline: April 29, 2016
Priority Pre-Registration: April 22, 2016
(Late applications may be accepted if space permits). Early applicants will be notified regarding the status of their application by April 29, 2016.

Registration Fee:
None. However, pre-registration is required.

Submit your completed application to Ms. Susie Stenson (at the address below).

Ms. Susie Stenson
Aerospace Science Engineering
516 University Ave
Room 330 Chappie James Center
Tuskegee University, Tuskegee, AL 36088
E-mail: stenson@mytu.tuskegee.edu
Phone: 334-724-4386
Fax: 334-724-4587

PROGRAM LOCATION
Aerospace Science Engineering Department
Chappie James Center RM 330
Tuskegee University, Tuskegee, AL 36088

(Eye Tracking Technology)
Daily Tentative Schedule

Daily Drop-off: 8:00 a.m. – 8:30 a.m.

8:30 a.m. – 11:30 a.m.
Webpage development, library, team building activities, fun activities

11:30 a.m. – 1:00 p.m.
Lunch in Cafeteria

1:00 p.m. – 3:00 p.m.
Eye tracker use, fun team activities human factors, science and technology selected topic discussion, and field trips

Daily Pickup: 3:00 p.m. – 3:30 p.m.

Parents are invited to Closing Ceremony

Program Synopsis

GET READY SCHOLARS, for this exciting three week program where you will expand your knowledge in science, technology and research skills in a safe and supportive environment!

You will work in teams to research your own area of science from a list of approved areas. You will develop your own web page, evaluate the web page with an eye tracking device, and give a presentation of your results to your peers. Also, you will have the opportunity to develop effective communication skills in many fun team building exercises with your peers.

FREE lunch will be provided for your consumption in the student dining hall. You will also experience various field trips and hear distinguished speakers that will aid in your knowledge of different science, technology, and engineering careers.

Held on the campus of beautiful Tuskegee University, students will receive supervised exposure to college life, in a program taught by faculty and mentored by college students.

This program is a collaborative project between Tuskegee University and Alabama State University and has been especially designed for students in grades 9-12 in Macon county schools in Alabama who come from underrepresented groups. An additional benefit to this program is students will experience distance learning and interact with other students in the sister summer program held on Alabama State University’s campus.

Science Program Content Areas

- Learn about long term human space travel needs, including life support.
- Learn about the influence of human population, technology, and cultural and industrial changes on the environment.
- Learn about forms of marine life from simple to most complex, and medicinal, economical and commercial values of marine plants and algae.
- Learn about other sources of energy as alternatives to fossil fuels.
- Learn about the concept of entropy, as it relates to heating and cooling.
- Learn about distance learning technologies.
- Learn about effective collaborative skills using curriculum-related content in digital environments.
- Learn about human factors and develop research skills.

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