



NEWSLETTER

July 2022

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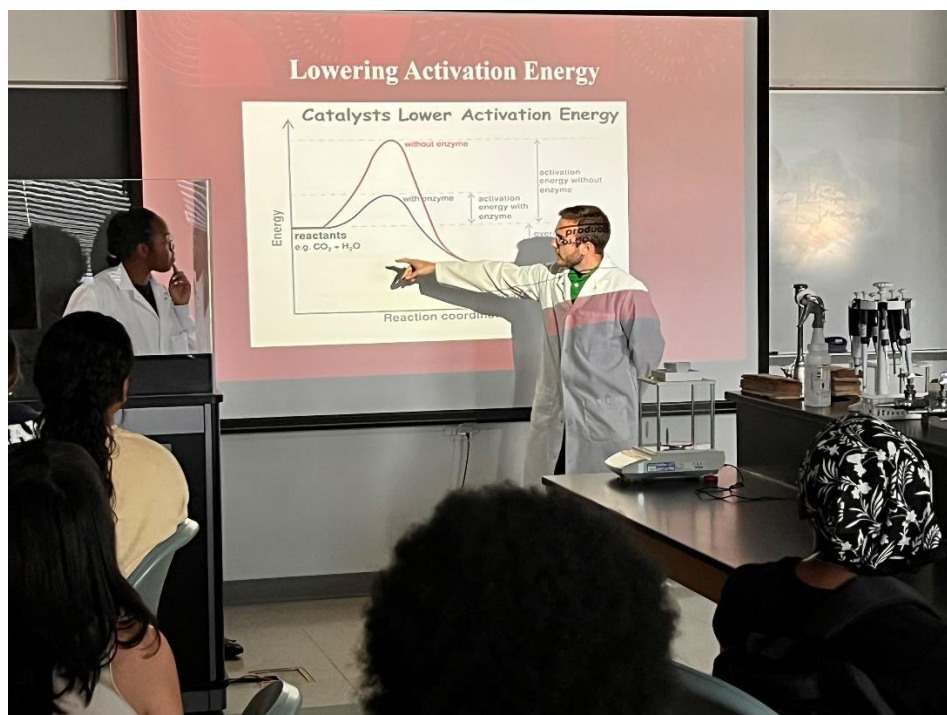
STEM Program

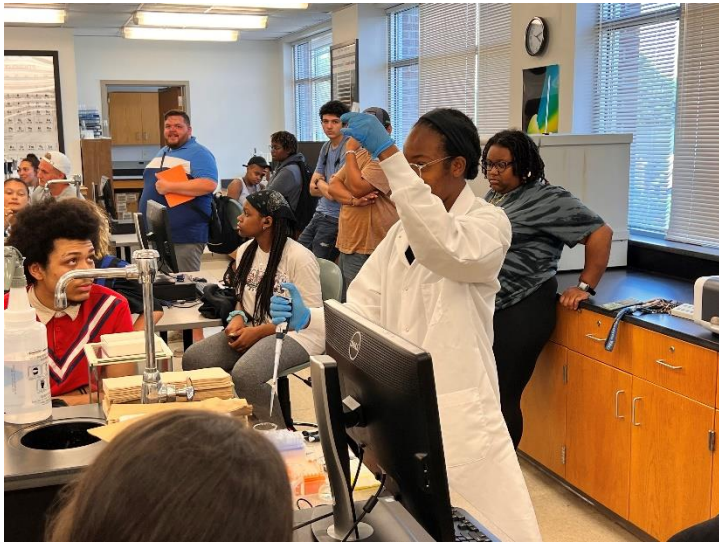


Sivanadane Mandjiny, Ph.D.
Professor and Chair

Dr. Siva Mandjiny, Trey McDonald, and Blossom Edoh did a presentation and experiment: *Lowering Activation Energy* with 32 STEM students on July 6 in the Oxendine Science Building Biochemistry Lab. It was a great time spent with the students.

The STEM program provides American Indian students with experiences and skills necessary to: accomplish goals successfully, increase similarities between their interests and career choices, and broaden their college and career opportunities in Science, Technology, Engineering and Mathematics (STEM). The project is open to American Indian students, grades 1-12, from the Lumbee Tribe's Service Area (Cumberland, Hoke, Robeson, and Scotland counties). American Indian families and tribal communities will play a key role in the academic success of student participants. The consortium is comprised of the Lumbee Tribe of North Carolina, Public Schools of Robeson County, Robeson Community College, and the University of North Carolina at Pembroke.







WSGC Student Spotlight: UNCP FNL Rocket Team



Congratulations to this week's #WSGCStudentSpotlight, UNCP Rocket Team! The team joins the FNL program from University of North Carolina Pembroke.

The Team members are **Alex Velarde** (Applied Physics); **Sydney Allen** (Biology); **Micah Ferguson** (Applied Physics); **Caleb Locklear** (Applied Physics); **Bryan Martinez** (Chemistry); **Benjamin Savage** (Applied Physics); **Eric Schwarz** (Biology); and **Mace Velarde** (Applied Physics).

This is the first year that UNC Pembroke has participated in the First Nations Launch Competition.

University of North Carolina - Pembroke received the following awards in the 13th Annual FNL competition for the Mars Challenge:

- Oral Presentation - 3rd Place
- Altitude Award
- Grand Prize - 3rd Place

Congratulations UNCP Rocket Team, and best of luck to you in your future!



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You can find the article about the UNCP Rocket Team here:

<https://spacegrant.carthage.edu/live/blogs/327-wsgc-student-spotlight-university-of-north>

Congratulations, Dr. Steven Singletary. It is great news both for the University and to the department.

UNCP to Host Aerospace Summer Camp

The Office for Regional Initiatives at UNC Pembroke will be hosting a fun-filled aerospace camp for rising fifth through eighth graders this summer.

The “Mission to Mars” camp will be held July 18-22. The camp will be held in the School of Education building from 8:30 a.m. to 4 p.m.

The camp will feature hands-on adventures exploring science, engineering, and technology to explore Mars. Participants will also learn about astronomy, rocketry, planetary science, space exploration technology, mission planning and engineering.

Campers will learn the basics of aerospace engineering through interactive activities such as 3D design and printing, model rocketry, robotic vehicles, and life on mars.

The camp is sponsored by Cummings Aerospace, based in Huntsville, Alabama. Cummings Aerospace President and CEO Shelia Cummings is a Pembroke native and a member of the Lumbee Tribe. Her company is regarded as a leading provider of high-value engineering solutions for complex systems in the aerospace and defense industry. Cummings began her academic career at UNC Pembroke before completing an aerospace engineering degree at the University of Maryland at College Park.

Thank You, Dr. Steven Singletary, working with the many students at this camp. We appreciate all you do for the University and the department. Job well done.



Sheila Cummings
Founder, President, and CEO
of Cummings Aerospace