NC STEM Research Academy East

Are you a teacher interested in supporting students in grades 6-12 STEM Research?
Are you a student in grades 6-12 interested in learning more about how to do research?
You are invited to be part of the NC STEM Student Research Academy East.

Teachers and students will be meeting either face-to-face or virtually on Saturdays during the 2022-2023 school year to work together on research projects in STEM areas of interest. The students will work on developing research questions, learn how to analyze data for research, and learn how to communicate their research. The NC STEM Research Academy culminates with the students competing in a virtual STEM research team competition online entitled eCYBERMISSION (grades 6-9) and/or attending the annual high school NC Junior Science and Humanities Symposium competition at UNCC. All research materials needed for projects will be provided. For more information about the events please visit: https://www.ecybermission.com/ and https://www.jshs.org/
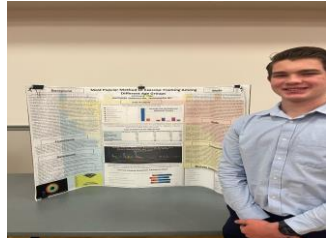
OCS Schools Current 2022-2023 Participants

Onslow Early College High School (5 years)
Northside High School (2 years)
Northwoods Park Middle
Southwest Middle
Hunters Creek Middle

Past Participants:

Students from Jacksonville High School (2 years)
OVSS Students (middle grades) (1 year)

Please contact Michelle Chadwick, Assistant Director of Advanced Learning and STEM (michelle.chadwick@onslow.k12.nc.us) for more information.

Meeting Dates
(9-11:30am) for all meetings unless students need more time. All meetings will take place at the district office unless it is scheduled on Teams.   FEPD/MR2
August 24, 2022- Sharing overview and link to interest form. Information shared at District meetings. Teachers only.
Thursday, September 15, 2022- Information meeting concerning all STEM Enrichment events for OCS staff. F/F or Virtual-Teams Meeting Room 2 Teachers only
Saturday, September 24, 2022 - How to generate a project idea. Or if already have an idea...where to go for background info/research. Good websites/search engines to use and demonstrate how to use them. Students and Teachers
Saturday, October 15, 2022- Assist in experimental design. What steps need to be taken: equipment, time frame, data to be collected, procedural steps, safety concerns/issues. Work with students on creating these and getting a list of equipment/supplies needed to conduct.Students and Teachers
Saturday, October 29, 2022- Review completed work, edit make changes. Review steps of their project, safety concerns, data collection and recording. Teams-Virtual Students and Teachers
Saturday, November 19, 2022- Review work, look over data collected. Discuss manners and methods to display data in graphs, statistical analysis, etc. or if trials need to be run again. Students and Teachers
Saturday, January 7, 2023- Review and share 2nd/3rd data collections. Review/edit analysis, graphs/results/conclusions. Introduce abstract, poster design and/or oral presentation (PPT) design. Students and Teachers
Saturday, January 28, 2023- Edit poster/oral presentation PPT and allow students to have practice run of presentation with feedback. Students and Teachers
Saturday, February 18, 2023 Final Student Presentation practice with final Feedback. Students and Teachers
NCJSHS, March 2023 University of North Carolina at Charlotte- 2 days Students and Teachers