

THE NATIONAL SPACE GRANT COLLEGE & FELLOWSHIP PROGRAM

FISCAL YEAR 2023 ANNUAL PERFORMANCE REPORT (APR)

FUNDING SOURCE:
OFFICE OF STEM ENGAGEMENT
SPACE GRANT
(CFDA) NUMBER: 43.008

MANAGING ORGANIZATION:
NASA HEADQUARTERS
OFFICE OF STEM ENGAGEMENT

TECHNICAL OFFICER:
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VIRGINIA SPACE GRANT CONSORTIUM LEAD INSTITUTION:
VIRGINIA SPACE GRANT CONSORTIUM

ACTIVITY TITLE:
VIRGINIA SPACE GRANT CONSORTIUM FY2020-2024

UNIQUE ENTITY IDENTIFIER:
077945947

VIRGINIA SPACE GRANT DIRECTOR:
CHRIS CARTER
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COOPERATIVE AGREEMENT/GRANT NUMBER:
80NSSC20M0056

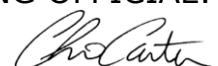
PERIOD OF PERFORMANCE:
APRIL 10, 2023 – APRIL 9, 2024

REPORTING PERIOD:
APRIL 10, 2023 – APRIL 9, 2024

SUBMISSION DATE:
02/08/2024

FINAL REPORT:
NO

SIGNATURE OF SUBMITTING OFFICIAL:



SUMMARY OF CONSORTIUM MILESTONE PROGRESS:

Milestones	Status	Reason for Delay or Cancellation (if applicable)
Graduate Research Fellowship Awards	Completed	
Undergraduate Research Scholarship Awards	Completed	
Community College STEM Scholarship Awards	Completed	
Undergraduate STEM Bridge Scholarship Awards	Completed	
NASA Research Experiences	Completed	
NASA Center Internships	Completed	
Pathways Flight Academies	Completed	
Aerospace Day in the Commonwealth	Completed	
Aerospace Cooperative Research Program (ACRP) Graduate Research Awards	Completed	
Aerospace Cooperative Research Program (ACRP) University Design Competition	Completed	
Engineering Early Advantage Program for Women	Completed	
Virginia Aerospace Science and Technology Scholars (VASTS)	Completed	
Virginia Earth System Science Scholars (VESSS)	Completed	

Building Leaders for Advancing Science and Technology (BLAST)	Completed	
Community College Faculty Professional Development Workshop	Completed	
Virginia Space Coast Scholars Program (VSCS)	Completed	
Commonwealth STEM Industry Internship Program (CSIIP)	Completed	
New Investigator Program Awards	Completed	
Student Research Conference	Completed	
Student Flight and Design Programs	Completed	
Innovative Projects Fund Awards	Completed	
Informal Education Program Awards	Completed	
OEPM Reporting	Completed	
Semi-annual Progress Report to NASA OSTEM Space Grant	Completed	
Annual Progress Report	Completed	
National Council of Space Grant Directors Spring Meeting	Completed	
National Council of Space Grant Directors Fall Meeting	Completed	

ACTIVITY/PROGRAM IMPROVEMENTS MADE IN THE PAST YEAR:

(e.g., activity management, cost efficiencies) (250-500 words)

One of VSGC's key accomplishments during this fiscal year was to strengthen our use of social media platforms to disseminate information about our programs, recruit participants, and the posting of pictures and videos to engage a wide audience. We hired a new communications coordinator, formerly with NASA Public Affairs, who has led the growth of VSGC social media presence. VSGC has also modernized our logo and branding. Also, this year, we significantly updated our website to be more picture and media rich. The communications coordinator worked closely with our media specialist to completely re-design the site with input from the VSGC Advisory Council and other stakeholders.

With funding and a partnership with the FAA, VSGC was able to expand the Pathways Flight Academies project. The Pathways Flight Academies project provides students with a 12-day residential pilot ground school and flight training that can culminate in their first solo flight. The project is a partnership with the Commonwealth of Virginia, Averett University, Rick Aviation, and the Virginia Department of Aviation. The FAA partnership allowed VSGC to place 20 additional students in the flight academies and supported 13 students with 40-hour flight scholarships.

With funding and a partnership with the U.S. Department of Education and Luminary Labs, VSGC provided professional development and support to 10 middle-school CTE teachers through the 'Bringing Space to the Middle School CTE Classroom' project. The project was a partnership with Old Dominion University who hosted the two-week workshop and provided hands-on instruction led by faculty. In addition, teachers visited and toured NASA Langley Research Center and NASA Wallops Flight Facility and received a total of 80 hours of professional development through follow-on sessions and instruction. It is anticipated this partnership will continue in 2024 and beyond.