National Space Club – Huntsville

Educational Outreach and STEM Engagement

2021 Year-in-Review

Special thanks to all of our members for your help and particularly that of the NSC Education Committee!

For additional info, contact Terry Abel or Andy Johnston, Education Co-Chairs
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Educational Outreach: 2021 Year-in-Review

- NASA Human Exploration Rover Challenge

[Images of various groups and individuals participating in the Rover Challenge]
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Educational Outreach: 2021 Year-in-Review

• NASA Student Launch (held at various sites)

Elements: Unique NASA mission, Proposal, Design (PDR, CDR), and Launch (LRR, Post-Launch Assessment)
• Assistance provided to various Robotics Teams

Pictured:
Meridianville Middle School

Photos courtesy of:
Cosette Lassiter
Meridianville Middle School
8th Grade Science
Educational Outreach: 2021 Year-in-Review

- **Scholarships** processed for regional colleges & universities
  - Alabama A&M University
  - Athens State University
  - Calhoun Community College
  - J.F. Drake State Community College
  - University of Alabama in Huntsville
  - University of North Alabama
- Evaluation completed; awards processed
  - 29 candidates, 13 awards
- **NSC Child-of-member** scholarship processing completed
  - 4 candidates, 2 awards
- Worked with Marshall Association and provided evaluation input on candidates
  - NSC provided $5K in scholarship funding; total of 6 awards processed.
- **NSC was a Silver Sponsor for AAMU’s Black Tie Scholarship Gala** event
- Three teacher candidates selected from **TSF for National Board Certification**
  - Huntsville City, Madison City, and Madison County (3 awards)
• **FIRST Robotics** – Local smaller competitive events were held (due to COVID) versus Regional at the VBC
• FIRST Robotics (continued)
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• **Cap and Gown** Summer Events

Hosted by Calhoun Community College
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- **Green Power Team** - Whitesburg Middle School
- Race at Milton Frank Stadium, Huntsville AL
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- Donation to the Boys and Girls Club for STEM Classrooms
- Purchase of Robotic Kits (Match with SAIC)
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- Support for STEAMFest Event and Artemis on the Square
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• Investment in **Endowed Scholarships**: 2 Additions; 1 New

  AAMU endowment increased to a value of $100K

* $10K also added at Calhoun

New Space Camp Endowment at **USSRC** for one teen girl and boy (underserved)

In partnership with Cap & Gown
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- STEM outreach event at the Cook Museum of Natural Science
- Cost Match with the State of Alabama
• **Aviation Challenge** 30\textsuperscript{th} Anniversary with the Tuskegee Airmen
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- UAH ExCITE Final Review with Lincoln County High School

NSC also helped fund UAH led efforts toward the execution of InSPIRESS and DETECTS…
• Support for Nerrette’s Robotics Team (and new Gear Girls)
• The **Von Braun Memorial Dinner** is our key event and primary source for continued STEM outreach funding.
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Educational Outreach: 2021 Year-in-Review

• Von Braun Memorial Dinner

Recognizing: Scholarship Winners, Teachers, Educator of the Year, and Rising Star
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- Three teachers were selected through our partnership with The Schools Foundation for National Board Certification
  - Huntsville City, Madison City, and Madison County School Systems
  - Recognized at the Von Braun Memorial Dinner
Partnered with the Marshall Association and provided scholarship funding for 6 awards.
- Recipients recognized at NSC breakfast event
• Calhoun B&W Gala to raise Scholarship Funds
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• Student groups routinely were our guests at NSC breakfast events!
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- UAH Space Hardware Club and Rocket Team
• Hudson Alpha Science Class Field Trips