

# NASA STEM

INSPIRE • ENGAGE • EDUCATE • EMPLOY

## ARTEMIS STUDENT CHALLENGES

NASA's Artemis program will land the first woman and first person of color on the Moon using innovative technologies to explore more of the lunar surface than ever before! Discover the Artemis Student Challenges and explore how you can take part in one of NASA's mission-related challenges.



**Student Launch** is a research-based, competitive experiential exploration activity. It strives to provide relevant, cost-effective research and development of rocket propulsion, structures, avionics, payload, and recovery systems.



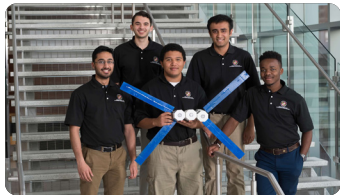
**NASA Spacesuit User Interface Technologies for Students (SUITS) Design Challenge** requires undergraduate and graduate student teams to design and create spacesuit information displays within an augmented reality environment.



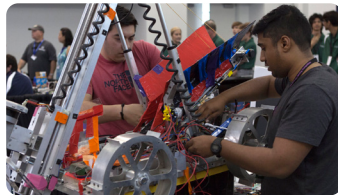
**Micro-g Neutral Buoyancy Experiment Design Teams (Micro-g NExT)** encourages undergraduate students to design, build, and test a tool or device that addresses an authentic, current space exploration challenge.



**First Nations Launch Competition** provides Native American college students the opportunity to build and launch class K high-powered rockets. Teams attend workshops to learn concepts necessary for a successful launch.



**BIG Idea Challenge** asks students and faculty from Space Grant-affiliated colleges and universities to design, develop, and demonstrate critical prototypes that support the Space Technology Mission Directorate's work for a broad array of NASA missions. (Specific challenge themes change annually).



**Lunabotics Competition** challenges university-level teams to use the NASA Systems Engineering Process to design, build, and operate a semi-autonomous or autonomous robot. Teams also perform public outreach, submit systems engineering papers and present and demonstrate their work to a NASA review panel.



**Human Exploration Rover Challenge (HERC)** is an annual competition that challenges high school and college students worldwide, to create a vehicle designed to traverse the simulated surface of another world while completing mission task objectives along the way.

To learn more about the Artemis Student Challenges visit [stem.nasa.gov/artemis](https://stem.nasa.gov/artemis)



or scan the QR code above with your smartphone camera



Additional NASA STEM resources and information can be found at [stem.nasa.gov](https://stem.nasa.gov).