

2023 Astronaut Challenge Lab for Middle and High School

NASA's Artemis Missions aim to land humans on the moon within the next few years. Your team will research possible landing sites and communicate to a panel of judges which site you think NASA should choose because it is the best landing site. There are currently 13 candidate landing sites, all in the lunar south pole region, which you can find listed here: <https://www.nasa.gov/press-release/nasa-identifies-candidate-regions-for-landing-next-americans-on-moon>

In order to communicate your site and why you chose it above the other potential sites, you will create an infographic and develop a presentation highlighting the benefits of your site. Your infographic and presentation should focus on **four** parameters that your team determines which could include but are not limited to: lunar regolith composition, availability of resources, crew safety, trajectories, scientific research potential, temperature, radiation, communication, or any other characteristics you feel make your landing location better than the others.

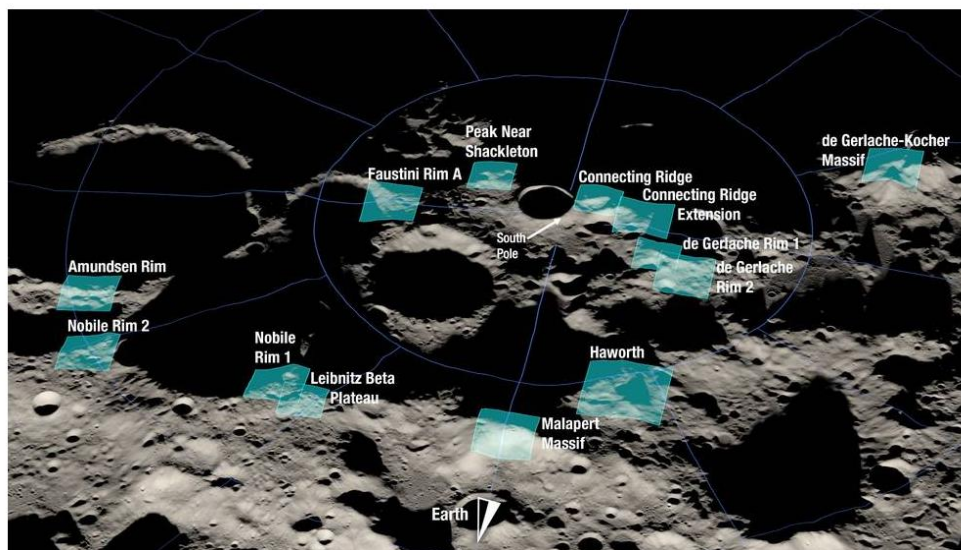
For example infographics, visit: <https://www.jpl.nasa.gov/infographics>

You will receive 2 scores for this challenge, one for the presentation, and the other for your infographic.

Please submit all infographics to renee.barnett@browardschools.com, in PDF format, by the deadline: 11:59pm, eastern time, January 21, 2023.

Presentations should be brought with the team to the competition on a flash drive. Presentations will be judged by a panel and should last no more than 10 minutes.

NASA Identifies Candidate Regions for Landing Next Americans on Moon



Shown here is a rendering of 13 candidate landing regions for Artemis III. Each region is approximately 9.3 by 9.3 miles (15 by 15 kilometers). A landing site is a location within those regions with an approximate 328-foot (100-meter) radius.
Credits: NASA