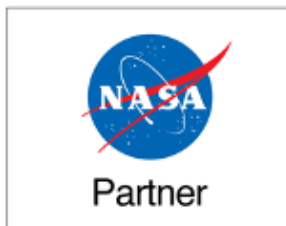




Full challenge details and registration available at waspacegrant.org/artemis2021

Questions? Send them to nasa@uw.edu



REGISTER NOW!

FOR THE LUNAR LAVA TUBE EXPLORATION CHALLENGE

waspacegrant.org/artemis2021

What's the challenge?

Build a rover and develop software for the rover to navigate the challenge course, a model lunar lava tube! Mission objectives include rough terrain navigation and obstacle avoidance, deploying a tunnel barrier for future habitat development, and imaging rock samples. Each team will be paired with a Lunar Base to test their solutions while working remotely.

No experience? No problem! We have multiple challenge divisions to accommodate students with varying levels of experience and training opportunities! Supply support is also available for qualifying teams.

How can you get involved?

Get a team together! Teams need 3 -5 undergraduate students and at least one faculty or graduate student mentor. Registration closes January 25, 2021!

Challenge activities will run from January - April 2021 and include opportunities to hear from NASA Science Matter Experts.

Why lava tubes?

As natural cavities below the surface, the moon's lava tubes offer many advantages for a human-occupied lunar facility. However, by their very nature, lava tubes present exceptionally hazardous sites for exploration. Challenges likely include obstacles such as very rocky terrain, steep inclines, low light, and limited communications.

Your team's mission is to develop possible solutions to these challenges.

