

## Apollo 50 Next Giant Leap Student Challenge Information:

July 20, 2019 will mark the 50th anniversary of the landing of Neil Armstrong and Buzz Aldrin on the moon in Apollo 11. NASA's Northwest Earth and Space Sciences Pipeline (NESSP) will hold a middle school-high school student drone and robotic challenge to celebrate!

### What does the Apollo Challenge look like?

- Students will use LEGO EV3 and a drone to accomplish maneuvers similar to Apollo 11's landing.
- Design a unique mission patch for a team of 5 students (or more).
- Design and build a lunar lander model and transport with drone.
- Design, build, and program EV3 robotic unit to accomplish movement on challenge map.
- Design a unique costume reflecting team/community for event/competition.
- Compete in ACH school competition for regional advancement. (end of May)
- Compete in Regional Hub (July, Seattle)

Mrs. Douglas is leading **grade 6-8 ACH teams** for this challenge. Students must apply with statement of intent, parent/student agreement, and attend team meetings consistently. Any student in currently in grades 6-8 may apply. Meetings will be coordinated with Mrs. Douglas and involve evenings and weekend times. The Challenge has deadlines that student teams must meet in order to advance. Students will be involved in making social media post on school facebook and Mrs. Douglas' STEM twitter account.