

NASA HUNCH Design and Prototype

Lunar Dust Brush Finalists 2020

Congratulations to the following teams who are invited for the Final Design Review in Houston at Rocket Park on Johnson Space Center April 15, 2020. These pictures are not placed in any type of order and do not reflect any kind of scale or ranking. If you see any mistakes in names or other information, please send me your corrections and I will update each of the lists accordingly. Teams that are listed here should make updates their designs and presentations. Improvements to the prototypes and presentation boards should reflect comments made by the mentors and evaluators at the CDR. I intend for all of the lists to be posted to the HUNCH Design web page and will remain there so students can reference it when applying to schools and universities.

I am very proud of the work everyone has done and wish all of you the best of luck.

Pointers for Lunar Dust Brush:

I do not expect this prototype to be made of flight materials but it should be as fully functional as possible. There should not be any cardboard. 3D prints are good but you should move beyond any wood components. Choose a person in your group and make the size of your prototype fit that person's needs. Make sure you have good testing data for different particle size of dust.

What temperature ranges can your bristles handle?

How easy is it to use when in gloves and a bulky suit?



Students: Matthias Schmidt, Leo Allen, Dan Zeigler
Project: Lunar Dust Brush
Teacher: Donna Himmelburg, Vince Stornello
Mentor: Nancy Hall and Gene Gordon
School: Fairport—New York



Students: Madalynne Brogan, Katherine Ebel-Hayes, Ryan Moreau, Vivienne Seested, Nicholas Sewaybrick
Project: Lunar Brush
Teacher: Kristin Magas
Mentor: Flo Gold
School: Tri-County RVTHS-- Massachusetts



Students: Dylan Nguyen, Eric Mullens, Nicholas Rogers
Project: Lunar Dust Brush
Teacher: Steven Marcus
Mentor: Glenn Johnson
School: Cypress Springs--Texas



Students: Amari Williams, Elijah Naidar
Project: Lunar Dust Brush
Teacher: Rebecca Allen
Mentor: Lisa Passarelli
School: Palm Bay Magnet--Florida



Students: Sean Meron, Chenoa Rawls, Kennedy Laci
Project: Lunar Dust Brush
Teacher: Eric Anderson
Mentor: Flo Gold
School: Billings Career Center--Montana