

NASA HUNCH Design and Prototype

Lunar Tarp Stakes Finalists 2020

Congratulations to the following teams who are invited for the Final Design Review in Houston. If you see any mistakes in names or other information, please send me any 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. These pictures are not placed in any type of order and do not reflect any kind of scale or ranking. 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 Tarp Stakes:

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. Be prepared to show data on how your prototype holds in different types of dry soil. Show how your stake will attach and hold down a tarp. What type of grommet on the tarp are you planning for?



Students: Keila Flewell, Will Toll
Project: Tarp Stakes
Teacher: Joel Bertelson
Mentor: Alli Westover, David Schlichting
School: Chatfield—Colorado



Students: Tim Staples, Cody Beers, Collin Camners
Project: Tarp Stake
Teacher: Rebecca Allen
Mentor: Lisa Passarelli
School: Palm Bay Magnet--Florida



Students: Caleb Edwards, Andrew Glass, Josh Gruber, Zach Preiser, Thayne Schmidt
Project: Lunar Tarp Stake and Insertion Tool
Teacher: Ryan Manske
Mentor: Nancy Hall
School: East Troy--Wisconsin



Students: Morgan Mumm, Sara Sherer, Jacob Sherer, Adelle Holder, Isabel Bowers, Grace Deis
Project: Lunar tarp stake
Teacher: Matt Heer
Mentor: Nancy Hall
School: Platteville--Wisconsin



Students: Sierra Lansberry, Kevin Clifford, Elon McDowell
Project: Lunar Tarp Stake and Pole
Teacher: Donna Himmelburg, Vince Stornello
Mentor: Nancy Hall and Gene Gordon
School: Fairport—New York



Students: Austin Dues, Andrew Suddith
Project: Lunar Tarp Stakes
Teacher: Brett Jenkins
Mentor: Nancy Hall
School: Kettering Fairmont—Ohio



Students: Draven Earles, Lane Arrowsmith, Robert Bruner
Project: Lunar Tarp Stakes
Teacher: Linda Wright
Mentor: Flo Gold
School: Laurel—Montana