

NASA HUNCH Design and Prototype

No Heat Shield 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. 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. 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 No Heat Shield:

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 unless that is what you intend for the flight unit. 3D prints are good but you should move beyond any wood components unless that is the intended material. This is intended to be disposable for this first mission so don't expect this would be tracked once it hits the ground. Be ready to talk about the transmitter and the power supply. You may find there is a better frequency than 437 MHz but it needs to be a frequency that won't disturb other activities and governments that it passes over. How long can it transmit if it sends a signal every 5 or 10 min?



Students: Luis Cabrera, Stephen Garcia, Alejandro Rodriguez-Gomez, Alfredo Tolosa
Project: No Heat Shield
Teacher: Charles Dorchester
Mentor: Alli Westover, David Schlichting
School: Dr. Martin Luther King Jr. Early College—Colorado



Students: Hunter Gilbreth, Campbell Faust, Alexander Cimini
Project: No Heat Shield
Teacher: Ben Nuebel
Mentor: Alli Westover, David Schlichting
School: Cherokee Trail—Colorado



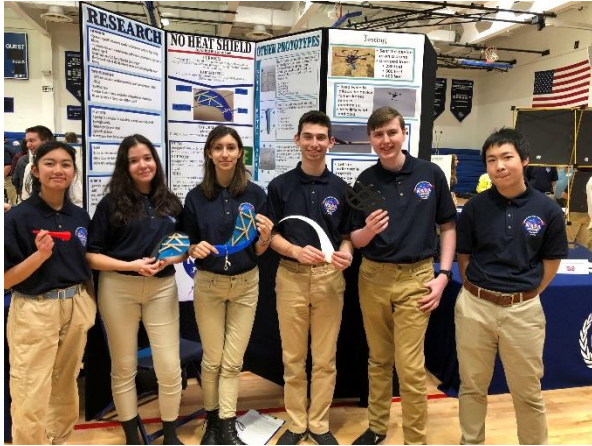
Students: Bolton Hick, Dylan Bolt, Jamie Smith Coynn, Ryan Olim, Julian Conrad, Max Henpel, Jeremy Dougherty
Project: No Heat Shield
Teacher: Joel Bertelson
Mentor: Alli Westover, David Schlichting
School: Chatfield—Colorado



Students: Luke Sammons, Tyn Mai, Anya Scott
Project: No Heat Shield
Teacher: Robin Merritt
Mentor: Glenn Johnson
School: Clear Creek--Texas



Students: Logan Cave, Greg Lindamood, Sierra Bailey
Project: No Heat Shield
Teacher: Michael Hayes
Mentor: Alli Westover
School: iSchool--Texas



Students: Landon Hennicke, Demetra Kohart, Sabrina Adler, Zach Miller, Steven Zhang, Mattheuw Floyd
Project: No Heat Shield
Teacher: Fred Bauer
Mentor: Flo Gold
School: Council Rock South-- Pennsylvania



Students: ERICA BRACKETT, HUDSON BASSETT, KYLE MALCOLM, LAWRENCE DYNNESEN
Project: No Heat Shield
Teacher: Bradbury
Mentor: Flo Gold
School: Bozeman--Montana