

NASA HUNCH Design and Prototype

Lunar Supply Pods 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 Lunar Supply Pods:

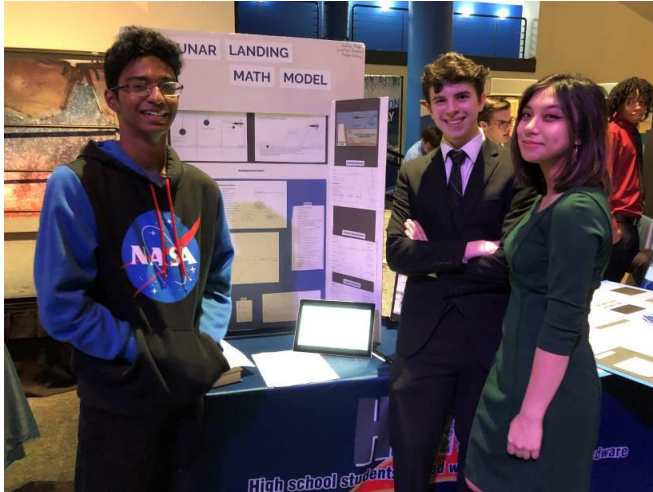
Have listings of the main equations that were used for your calculations. Explain why these equations were used. Be ready to explain how they were used to someone who may not know the equations. Some of you used Kerbal Space Program to demonstrate how this could or could not be done. Have parameters where it seems to be more possible than others. Have a couple of short videos of how it does and/or does not work.

Some of you have models of what the supply pod would look like.

How will supplies installed before launch and how will they be removed from the pod when on the moon? How would the pod be transported by the astronauts once on the moon?



Students: Zaniya Whetstone, Jarin Cox, Jared Sullivan
Project: Lunar Supply Pods
Teacher: Rebecca Allen
Mentor: Lisa Passarelli
School: Palm Bay Magnet--Florida



Students: Johnathan Andrews, Amber Glory, Joshua Ange
Project: Lunar Supply Pods
Teacher: Michael Hayes
Mentor: Alli Westover
School: iSchool--Texas



Students: David Ho, Jose Wui, Joseph Dambakli, Madelynn Partridge, Rafael Rubin deCelis, Spencer Posey, Tyler Dale, Riley Butler
Project: Lunar Supply Pods
Teacher: Jeff Marcinkowski
Mentor: Glenn Johnson
School: Oak Ridge--Texas



Students: Will Walker, Leo Harland, Wilson Bucholz, Riggs Turner
Project: Lunar Supply Pod
Teacher: Gary Duquette
Mentor: Flo Gole
School: Jackson Hole--Wyoming



Students: Wyatt Selorst, Austin Ezerski, Zachary Miller, Skyler Gentner, Alexander Newport
Project: Lunar Supply Pod
Teacher: Melissa Goodall
Mentor: Nancy Hall
School: Miami Valley—Ohio



Students: Joseph Abboud, Nathan Watson, Kyle Woolsley, Joseph Grant
Project: Lunar Supply Pod
Teacher: Michael Hayes
Mentor: Alli Westover
School: iSchool--Texas