

NASA HUNCH Design and Prototype

Lunar Wheels 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 Wheels:

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 your wheels as close to the correct scale as possible.

How do you expect your wheel to attach to the axel of the wagon?

Are you planning to use bearings, bushings or axel to inside of wheel hub?

How do you think the wagon should turn?



Students: Alejandro Acosta, Oscar Barragan-Hernandez, Jordyn Matte

Project: Lunar Wheels

Teacher: Charles Dorchester

Mentor: Alli Westover, David Schlichting

School: Dr. Martin Luther King Jr. Early College—Colorado



Students: Gerardo Skrut, Austin Brewer and Julian Macfie
Project: Lunar Wheel
Teacher: Steven Marcus
Mentor: Glenn Johnson
School: Cypress Springs--Texas



Students: Elijah DePaolo, Sean Kubacki, AJ Wainwright
Project: Lunar Wheels
Teacher: Kristin Magas
Mentor: Flo Gold
School: Tri-County RVTHS—Massachusetts



Students: Michael Trojak, Dylan Weselovs, Dean DiDomenico, Alex Tolochkov, Alex Yarashevich, Matt Celeste, Benjamin Feder
Project: Lunar Wheels
Teacher: Fred Bauer
Mentor: Flo Gold
School: Council Rock South-- Pennsylvania



Students: Arwyn Albano, Tahsin Chowdhury, Khalil Elhaj, Kylie Flynn, Edmond Jones, Reema Kumrah, Timothy Mercurio, Jaidah Morales, Olivia Payumo, Nichole Posada, Abigail Prall, Amber Rana. John Rekesius, Abida Samiha, Noah Suarez, Alberlyn Vargas, Shana'e Walker
Project: Lunar Wheels
Teacher: Marianne Alvarez
Mentor: Flo Gold
School: Passaic County Vocational Tech—New Jersey



Students: Jeevan Venkatesan, Aiden McGill, Matthew Lemay, Alex Miller, Jacob Gurin, William Boland, Logan Griffiths

Project: Lunar Wheels

Teacher: Mark Westlake

Mentor: Nancy Hall

School: St. Thomas Academy—Minnesota