



September, 2019

Dear Teachers and Administrators,

We hope you all had a terrific summer. We are really excited about the coming school year as we continue to expand the HUNCH program to new schools and acquire new industry partners to help to support your incredible work for NASA. This school year, we are continuing to make modifications that are necessary in order to incorporate more schools across the country. The important dates and changes that we are planning for NASA HUNCH reviews and recognition ceremonies are explained in this letter.

The planned major milestones for the NASA HUNCH Program activities are defined as follows from the current Space Act Agreements:

- At the beginning of each school year, NASA will coordinate with participating teachers to develop and document the school year program plan that defines the scope of the project(s) selected for the school year.
- It is expected that teachers will adhere to the jointly established schedule and expectations outlined in the school year program plan. As needed, changes may be made to adjust the schedule and expectations plan.
- At the end of the fall semester, NASA will collaborate with participating teachers to review the progress of the project(s) and adjust the program plan (if needed) to enhance the experience of participating students.

The NASA HUNCH Recognition Ceremony once again will be hosted from Johnson Space Center (JSC) by a pre-recorded online video. It is expected that HUNCH schools across the country will be holding their own Recognition Ceremonies and incorporate this video into their own HUNCH Recognition Ceremonies. One of the main objectives of this letter is to inform school teachers and administrators about the need to host this event for their individual school so that they can plan ahead. Currently, we are planning the ceremony on **Saturday, May 9, 2020**. **This year the HUNCH Recognition Ceremony is not live so that HUNCH Managers will be able to travel to a school on May 9. Having your school or district's HUNCH Recognition Ceremony on May 9 will increase your chances of having a HUNCH Manager participate in your event.** We are still streaming the ceremony, and the link will be provided ahead of time. We have taken feedback from last year into consideration to make sure the streaming quality and connection is improved. The stream will most likely be live on multiple platforms for greater ease of access or quality.

The 2020 NASA HUNCH Recognition Ceremony video will include the following:

- Announcement of the recipient of the Stacy Hale Founders Award
- Please let us know if you are acquiring local volunteer mentors. We would like to make sure they are recognized during our Recognition Ceremony.

- NASA HUNCH Officials and JSC Administrators will welcome audiences and recognize the accomplishments of the HUNCH students across the nation over the course of the school year.
- We are also hoping to have a pre-recorded or live International Space Station (ISS) crew downlink thanking HUNCH students and showcasing HUNCH products onboard the ISS, as well as NASA Administration recognizing the accomplishments and contributions of HUNCH to the NASA mission since the program's inception.

It is anticipated that the schools will host their own individual HUNCH Recognition Ceremonies with teachers, administration, family, industrial volunteers and dignitaries present to view this video presentation. NASA HUNCH mentors will provide each teacher with certificates, pins, etc. for all of their students as always. However, it is expected that local dignitaries from each school will give out the certificates. It is hoped that the students' projects would be displayed and pictures taken of each group and sent to your NASA mentor or put on NASA HUNCH's social media.

Below are the planned schedules for the HUNCH projects.

Manufacturing of Hardware

This year manufacturing students across the country will produce and document precision machined space flight hardware to support NASA in its need for Class I space flight hardware for the International Space Station (ISS) program. HUNCH students have already produced over 700 items that have flown to the ISS and will continue to provide this support.

Please visit the website at <https://nasahunch.com> to learn more about this program and see photos of some of the products sent to the ISS that HUNCH students have fabricated.

Manufacturing of Softgoods

The Softgoods program has many projects for students participating in this year's program. With various training softgoods projects as well as several flight items on the list we look forward to an exciting and busy year. Participation in the Softgoods program for this year is closed however if your school is interested in participating next school year please visit the website at <https://nasa.hunch.com> for more information as we continue to grow every year.

Culinary Challenge

This year the Culinary Challenge is requesting an ethnic entrée for the astronauts on the ISS. Regionally speaking most Culinary preliminary challenges will be in January, February time frame. The top 10 selections will be made in March. The final review for the culinary will be on April 16, 2020. Please make sure you visit the culinary website at www.hunchculinary.com for detailed information about this year's challenge. Schools not currently in the HUNCH program are invited to participate in this challenge.

Design and Prototyping

This year's projects are online at www.hunchdesign.com. The dates for the Preliminary Design Review (PDR) and Critical Design Reviews (CDR) for Design and Prototyping will be determined by each of the regional project managers. However, for the PDR we are targeting end of October, November, and early December. The Critical Design Reviews will be sometime during the end of January, February, to beginning of March.

The Final Design and Prototyping Review will be at the Rocket Park by Johnson Space Center on April 15, 2020. Attendance at this review is by invitation only for the top projects, with selections expected around mid-March.

Please visit the website at <http://www.hunchdesign.com> for individual timelines and detailed information about this year's projects.

All participants traveling to Houston for the Design and Prototyping Review will be given free passes to Space Center Houston.

Design Development For Flight

We are excited to be adding a new HUNCH project titled Design Development For Flight. Mike Bennett, a past HUNCH instructor at Cypress Woods High School since 2003, has joined the HUNCH team at Johnson Space Center (JSC). Mike will be working with selected teams that are doing the final drawings and prototypes of Design and Prototyping projects that are being sent to the International Space Station. The reviews for these projects will be on an individual basis as the dates for flight will vary.

Video Challenge

Once again we are pleased to be partnering with the Association for Career and Technical Education (ACTE) on the video challenge. This year **students in middle, high school and post-secondary institutions** are invited to participate. *Working on the Moon and Beyond* is the title of this year's video challenge. Two minute or less videos should showcase career and technical courses and careers that will be needed for people to live and work on the moon and beyond. Videos need to be submitted by YouTube links by **March 2, 2020**. Cash Awards donated by ACTE and NASA HUNCH flown patches to the ISS will be awarded for the top videos. More information will be available on the [ACTE](#) and NASA HUNCH websites starting September 5, 2020.

New NASA HUNCH webpage and Social Media

Please follow us on social media. HUNCH wants to hear from you and see what you're up to with your project and team! Twitter: [@NASAHUNCH](#). Facebook: [NASA HUNCH \(@nasahunch\)](#)

We will be launching version 2.0 of our NASA HUNCH webpage. Please visit www.nasahunch.com and let us know how you like it. The software engineers at AMES Research Center have been creatively constructing this new version for us.

The **Talent and Authorization forms** need to be submitted as soon as possible. The cutoff date is February 4, 2020. On this date we will no longer count any submissions. We need the time to compile names and print certificates for shipping to schools. Yearlong schools are the exception and can contact us directly for post-February submissions. We must only accept individual submissions, as it is first a legal necessity to collect. Teachers should not be filling out their students' forms, as it is one more real-life experience to complete in the program; just like any job, they need to fill out their paperwork. If teachers or students have issues submitting and not getting completion notifications, they need to resubmit and let us know ASAP.

Teachers and students fill out different forms that can be found at <http://nasahunch.com/getinvolved.html>. The password HUNCHTALENT is the same as last year. Students will be asked to provide a parent or guardian's email, so please let them know they will need

this information before they go online. The new Talent and Authorization form is simplified and contains several dropdown boxes.

We are privileged this year to have many outstanding industry supporters. Below is a listing of these businesses that are willing to help your students with either products or mentoring.

Partners:

1. Apple
2. Raspberry Pi
3. Mastercam
4. Haas
5. Integrate Systems
6. Space Foundation
7. Sandvik Coromant
8. Edge Factor
9. New Matter
10. Lockheed Martin
11. Sierra Nevada
12. Axiom Space
13. Larson Motorsports
14. Knights Manufacturing
15. Techshot
16. Association for Career and Technical Education (ACTE)
17. Blazing Trails
18. Society of Manufacturing Engineers (SME) Education Foundation

Thank you all so very much for making HUNCH such a valued program for your students and NASA. Please do not hesitate to contact your HUNCH mentor if you have any questions or concerns.

We wish you a very rewarding school year.

Sincerely,

The NASA HUNCH Team