High School Students United with NASA to Create Hardware
(HUNCH)

Statement of Work

The mission of the HUNCH program is to empower and inspire students through a Project-Based, Student centric, S.T.E.M. Learning program where students learn 21st-century skills and have the opportunity to launch their careers through participation in the design and fabrication of real-world valued products for NASA.

A review process and timeline are in place to allow prospective schools to apply for admittance to the HUNCH program. School applications will be reviewed both at mid-year and the beginning of the School year, depending on volume.

HUNCH projects are divided into the following programs:

- Precision Machining involves students using CAD and CNC machines to fabricate both training and flight hardware.
- Flight Configuration involves students taking identified projects and creating flight level drawings to be used in the manufacture of the project.
- Soft Goods Design & Fabrication involves students sewing products for both flight and training
- Design & Prototyping involves students designing and fabricating products for space
- Health and Biomedical Science involves students designing solutions to different health and medical needs.
- Culinary and Nutritional Science involves students creating entrees for astronauts aboard the ISS.
- Communication involves students making videos about NASA for Public Affairs presence.

School Information

(Please Print)
Name of Teacher applying: _____

Industry experience: _____
_____
Number of years with this experience?_____

Phone number (___) ___-____ e Mail:_____

Name of School _____,
Address _____ City: _____ State: _____
Main Phone number (___) ___-____

School principal or Head of School: _____

What type of school:

____Public School
____ Private School
____ Home School
____ Career and Technical School
____ Other

Name of School Lead, Superintendent or CATE/CTE Director: _____
Address _____ City: _____ State: _____
Phone number (___) ___-____ .

Title of the course or courses or After School Program proposed to be involved in **NASA HUNCH**
_____
_____
The approximate number of student participants and their grade levels
Grade Level Number of Students Grade Level Number of Students
1st _____ 2nd _____ 3rd _____ 4th _____
5th _____ 6th _____ 7th _____ 8th _____
9th _____ 10th _____ 11th _____ 12th _____
11th _____ 12th _____
NA _____

Number of high schools in your district (or School if not part of a District). _____
Number of (K-12) in your district (or School if not part of a District). _____
How many schools feed into your school if this is a Career and Technical School? _____
Names of counties that are in your school district? _____

Facilities/Equipment
Description of classroom facilities where the HUNCH activity will take place
Standard 750 Sq Ft Classroom (__) or other Describe _____
_____

Description of equipment available for the HUNCH activity:
Precision Machining Equipment:
Make -
Model-
Type-
Work envelope-
How many-

Other machining equipment-

Additive Manufacturing (3D printing) Equipment available:
Make -
Model-
Type-
Print media type capability- (example, ABS, ONYX, ULTEM, PLA)
Work envelope-
How many-

Other Additive Manufacturing equipment-

Flight Configuration Equipment

CAD Software Used-

Version-

Ability to produce 3D printed prototypes- (Yes/No)

Cloud storage / sharing site- (Yes/No)

If Yes, please identify the online storage-

Industrial / Commercial Sewing Equipment (Softgoods)
Make-
Model-
Type-
How many-

Other sewing equipment-

Computer/Programming Equipment:
Computers, software, and capabilities of students (example: PC with Solid Works and

students know some programming). _____

Project Plan Type (One Form per Program)
What project(s) does the school want to perform?
A-Design and Prototype (__)
B- Culinary and Nutritional Science (__)
C- Health and Biomedical Science (__)
D-Communications/Video (__)
E-Precision Machining (__)
F- Flight Configuration (_)
G Additive Manufacturing (__)
H-Soft Goods Design & Fabrication (__)

Description on how the HUNCH program will be incorporated into your curriculum (example: Students
will work on the HUNCH project on a class schedule(__) or after school (__) and
_____
_____

Length of time per week on HUNCH program? _____

Is your school a Title 1 School? Yes (__) or No (__)
What is the percent of underrepresented students expected to join your classes? _____
What is the percent of Females expected to join your classes? _____
How many of your students are on Lunch Programs? _____

Please email your Statement of Work Form to:
JSC-HUNCH@mail.nasa.gov
and
Copy local Mentor