Hartnell College - Office of Institutional Advancement
Grant Concept Form

November 2020

1. New/Renewal Grant Project - What do you want to do?

Title: NASA MUREP Aerospace Academy (MAA)

Website: https://www.nasa.gov/stem/murep/home/index.html

Abstract: Fill in Abstract below:

This project aims to develop the next generation of STEM professionals and leaders, strengthening and diversifying the STEM pipeline, by providing early exposure to STEM through authentic experiences with NASA content, missions, and people. Through this grant, Hartnell will upgrade its existing K12 STEM Program to provide high quality STEM engagement programs to underserved High School students in the greater Salinas area, by establishing a NASA MUREP Aerospace Academy (MAA) at the high school level. Using NASA's innovative, hands-on materials and experiential learning model, we propose to increase STEM engagement and commitment for high school students from underrepresented communities within the Salinas Valley.

2. Alignment with the College Strategic Plan and Feasibility

[Link to Hartnell College Strategic Plan](#)

25
____ % **Goal 1 -** Increase Student Completion

25
____ % **Goal 2 -** Increase Student Completion Efficiency

25
____ % **Goal 3 -** Increase Student Transfer to 4 Year Institute

25
____ % **Goal 4 -** Improve Student Employment Subsequent to Training or Completion

100
_____% **Total (should equal 100)**

Please provide a list of the Hartnell values that this grant fulfills: Hartnell College's Values
1. Diversity, Equity, and Inclusion
2. Alliances
3. Leadership and Empowerment
4. Innovation

Be prepared to provide data to support scoring below such as Labor Market Data.
* Scoring Criteria (1-5 WEAK to STRONG)

1) Staff expertise/experience in similar projects	5
2) Compelling need in college or community	5
3) Strong business/community/education partnerships	5
4) Aligns with new funding formula	4
5) Low demand on resources (space, equipment, etc.)	4
6) Capable of sustaining project after grant ends	3

Total: __2_____ **(Total should not exceed 30)**

List Accreditation Standards (i.e.; II.A.):   Link to Accreditation Standards
I.A, I.B., II.A., II.B., II.C., III.D.

3. If the project is for broad institutional capacity building, what are the plans for institution-wide development & implementation of proposed activities?

NA

4. Does the project align with or overlap with current activities or events? If yes, please provide information about activities and how current directors and program staff are involved in developing this new project/grant proposal.

Yes, this project will augment the existing K12 STEM program. The current K12 STEM Director and Staff are directly involved in the grant proposal process and will continue to have oversight of the day to day operations of the K12 STEM Program and many of the interventions outlined in the project overlap with existing K12 STEM activities.

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5. Grant Type	Due Date
New	06/21/2022
x Continuation	06/21/2022
Funding Source	**Agency/Organization**
Public: State x Federal	NASA
Private: Foundation Corporation Individual	

6. Fiscal Information - Fiscal Agent
x College Foundation Indirect Cost Rate: 83,769 Grant Amount: 480,000

7. Does the proposed project require matching funds or in-kind contributions?
x No Yes If yes, explain: NA

8. Intellectual Property
Will the proposed project include the development of intellectual property?
x No Yes If yes, explain: NA

9. Grant Timeline
Grant Start Date: 08/15/2022 _____ Grant Ending Date: 08/15/2025 _____

10. Proposal Lead

- Proposal Lead: Jennifer Moorhouse
- Title: Full Time Faculty
- College Department: Mathematics
- Phone: 8317556895
- Email: jmoorhouse@hartnell.edu

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11. Additional Partners
Will this project include other agencies?

No   x Yes   If yes, explain: We are asking local partners to collaborate with us on STEM engagement projects, such as field trips, career panels, job shadowing, mentoring, STEM events, and/or resource fairs.

12a. Human Resources - Staffing Positions to Support the Grant
What new/continuing positions will be created to meet the proposed project objectives?
Please list the proposed titles and one-sentence job description below; include cost detail and a source of funding.

PI shall receive 20% reassign time for overseeing the grant and creating instructional content:

Year 1: $32,152
Year 2: $34,328
Year 3: $36,670

12b. Will the proposed project require HCCD to eventually absorb the cost of staffing for the project?

x No   Yes   If yes, explain below and complete 16a and 16b:

NA

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13a. Facilities, Furniture and Equipment Resources to Support the Grant
Will new/remodeled space be needed? (e.g. offices, lab and activity space, etc.)?
If so, please confer with Facilities to review the underutilized space map and describe plans below.

Will furniture and equipment be needed (e.g. workstations for staff, computers, phones, chairs, etc.)?
If so, include the estimated cost and source of the funding below.

No new equipment needed.

13b. Will proposed facilities, furniture and equipment needs continue after grant?

x No   Yes   If yes, explain below and complete 16a and 16b:

NA

14a. Impact on Student Affairs and its resources?
What current resources will be used to implement this grant?
What new resources will be needed?

We will partner with Student Affairs to bring current high school students to various events
hosted by the Student Affairs Office, such as college readiness workshops, informational events
and Panther Prep. We anticipate that the impact will be minimal and will create no undue burden
on Student Affairs.

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14b. Impact on Institutional Resource and Information Technology resources?
What new institutional research will be needed? (e.g. evaluation, new data sets, new reports.)
What new informational technology will be needed? (e.g. new or additional software.)

NA

14c. Will proposed institutional research and IT needs continue after grant?

x No   Yes   If yes, explain below and complete 16a and 16b:

NA

15. Budget Plan – over the term of the grant

	Grant	HCCD Match	Match Other
Personnel Instructional	0		
Personnel Non-Instructional	103,149		
Operating	293,082		
Equipment	0		
Indirect	83,769		
Total	480,000		

Budget Notes:
None

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16a. If proposed activities will continue after grant funding ends, what are the plans for sustainability?
Indicate years and activities that will be included in Program Planning and Assessment (PPA) and Resource Requests.

The program will continue under the auspices of the K12 STEM Program, which is supported by the Hartnell College Foundation.

16b. Budget Plan – HCCD institutional commitment – after grant term ends

Fiscal Year:			
Personnel Instructional			
Personnel Non-Instructional			
Operating			
Other			
Total			

Budget Notes:

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17. Academic Senate - New Programs, Curriculum and/or Faculty
Does the proposal include new programs, curriculum, or faculty?

x No   Yes   Proposed date to present to the Academic Senate: _____09/13/2022_____

List faculty members involved in development:

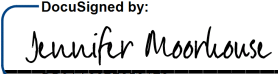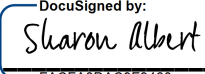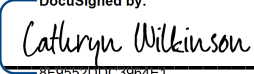Jennifer Moorhouse, Mathematics Department

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18. The proposed project supports the goals and objectives of Hartnell College
The following signatures are the responsibility of the Proposal Lead:

Support	Do Not Support		
x		*Jennifer Moorhouse* DocuSigned by: DB8AA227F2524F2... **Proposal Lead**	8/29/2022 _____ **Date**
Support x	**Do Not Support**	*Sharon Albert* DocuSigned by: FACFA8DAC9F9460... **Dean**	08/29/2022 _____ **Date**
Support	**Do Not Support** x	*Cathryn Wilkinson* DocuSigned by: 8F955ZDDC3964E1... **VP**	09/02/2022 _____ **Date**

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19. The proposed project supports the goals and objectives of Hartnell College
The following signatures are the responsibility of the Office of Institutional Advancement:

Support	Do Not Support		
		_____ **Academic Senate**	_____ **Date**
Support	**Do Not Support**	_____ **Vice President of Advancement and Development**	_____ **Date**
Support	**Do Not Support**	_____ **Accounting Manager**	_____ **Date**
Support	**Do Not Support**	_____ **Vice President of Administrative Services**	_____ **Date**
Support	**Do Not Support**	_____ **Vice President of Information Technology**	_____ **Date**
Support	**Do Not Support**	_____ **Vice President of Human Resources**	_____ **Date**
Support	**Do Not Support**	_____ **Director/Vice President (as required)**	_____ **Date**

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20 . Approval
The proposed project is approved and supports the goals and objectives of Hartnell College.

Support   **Do Not Support**

_____
Superintendent/President   **Date**