



Hartnell College - Office of Institutional Advancement

Grant Concept Form

March 2020

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

Title: NSF: Rural Integrated STEM Education (RISE) Ready

Website: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5733

Abstract:

As part of a "grow our own initiative," we are putting together a regional proposal for scholarships for students to become 6th-12th grade STEM teachers. The National Science Foundation Robert Noyce Teacher Scholarship Program provides scholarships for students and support for the STEM Education pathway for five years. We envision providing paid early STEM teaching and learning experiences for your Community College students and a pathway with support and advising for your students to obtain a Bachelor of Science degree followed by the credential program to prepare them as future STEM 6th-12th grade teachers.

2. Alignment with the College Strategic Plan and Feasibility

20 _____ % **Goal 1** - Increase Student Completion [Link to Hartnell College Strategic Plan](#)

10 _____ % **Goal 2** - Increase Student Completion Efficiency

60 _____ % **Goal 3** - Increase Student Transfer to 4 Year Institute

10 _____ % **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](#)
Academic and Service Excellence; Diversity, Equity, and Inclusion; Alliances; Leadership and Empowerment

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

Total: ²⁷ _____ (Total should not exceed 30)

List Accreditation Standards (i.e.; II.A.):

IIa, IIb

[Link to Accreditation Standards](#)



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

Not broad, capacity building.

We would like to pay a STEM or Education faculty member for 40 hours per year as a liaison/co-PI to help students transfer into a STEM education pathway. We would also like to offer two \$2000 stipends to Community College students per semester to participate in early STEM Teaching and Learning experiences.

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 project aligns with the Teacher Preparation Pathway and Maestros Program. It overlaps with the UCSC Integrated Noyce project; however, our target is specifically preparing rural STEM teachers. The STEM teacher course pathway maps directly onto STEM courses. It supports transfer students and students enrolling in the credential program to become future teachers.



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5. Grant Type		Due Date
<input checked="" type="checkbox"/> New		08/25/2020
<input type="checkbox"/> Continuation		
Funding Source		Agency/Organization
Public: State <input checked="" type="checkbox"/> Federal		National Science Foundation
Private: Foundation Corporation		
Individual		
6. Fiscal Information - Fiscal Agent		
<input checked="" type="checkbox"/> College	<input type="checkbox"/> Foundation	Indirect Cost Rate: ³⁰ Grant Amount: ^{50,000}
7. Does the proposed project require matching funds or in-kind contributions?		
<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	If yes, explain: ^{no}
8. Intellectual Property		
<i>Will the proposed project include the development of intellectual property?</i>		
<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	If yes, explain: ^{no}
9. Grant Timeline		
Grant Start Date: <u>01/31/2021</u>	Grant Ending Date: <u>1/30/2026</u>	
10. Proposal Lead		
• Proposal Lead:	<u>Mary Rayappan</u>	
• Title:	<u>Professor</u>	
• College Department:	<u>STEM</u>	
• Phone:	<u>6757</u>	
• Email:	<u>mrayappan@hartnell.edu</u>	



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11. Additional Partners

Will this project include other agencies?

No Yes

If yes, explain:
CSUMB
MPC
Cabrillo
Gavilan

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.

We would like to pay a STEM or Education faculty member for 40 hours per year as a liaison/co-PI with an NIC special project agreement to help students transfer into a STEM education pathway.

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

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

Once the pathway is established, the counselors for Hartnell will disseminate the recruitment materials to students considering becoming future STEM teachers as part of their normal counseling activities.



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13a. Facilities, Furniture and Equipment Resources to Support the Grant

What new and/or remodeled space will be needed? (e.g. offices, lab and activity space, etc.)

What furniture will be needed? (e.g. workstations for staff, tables, and chairs, etc.)

What equipment will be needed? (e.g. computers/laptops for staff, phones, etc.)

Please describe below and include estimated cost and source of funding:

No facilities, furniture, or equipment are required.

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

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

no

14a. Impact on Student Affairs and its resources?

What current resources will be used to implement this grant?

What new resources will be needed?

This is a new program we would like Student Affairs to disseminate information, along with current programs.



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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.)

No new data will be required-we have already acquired baseline data through the capacity building grant.

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

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

no

15. Budget Plan – over the term of the grant

	Grant	HCCD Match	Match Other
Personnel Instructional	0		
Personnel Non-Instructional	50310		
Operating	1300		
Equipment	0		
Indirect	6480		
Total	58090		

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.

It is feasible to apply for additional scholarships/funding through the NSF: Noyce program, but without external funding it will not be feasible to sustain the scholarships and stipends.

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

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

Budget Notes:

None.

17. Academic Senate - New Programs, Curriculum and/or Faculty

Does the proposal include new programs, curriculum, or faculty?

No Yes Proposed date to present to the Academic Senate: _____

List faculty members involved in development:

This program utilizes existing programs and curriculum.



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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	DocuSigned by: <i>Shannon Bliss</i> DEF85D1F5AE3422...	06/18/2020
		Proposal Lead	Date
Support	Do Not Support	DocuSigned by: <i>N/A - see above</i> 05E3B95A6C4F480...	06/19/2020
		Dean	Date
Support	Do Not Support	DocuSigned by: <i>Cathryn Wilkinson</i> 8F9552DDC3964E1...	06/19/2020
		VP	Date

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	DocuSigned by: <i>N/A</i> 5EA0AE20C7224E3...	06/22/2020
		Academic Senate	Date
Support	Do Not Support	DocuSigned by: <i>Jackie Cruz</i> 8DADC543DB574EE...	06/23/2020
		Vice President of Advancement and Development	Date
Support	Do Not Support	DocuSigned by: <i>Paul Luciano</i> B893C55827EE41B...	06/22/2020
		Accounting Manager	Date
Support	Do Not Support	DocuSigned by: <i>[Signature]</i> EB5ED6340A7C4DC...	06/30/2020
X		Vice President of Administrative Services	Date
Support	Do Not Support	DocuSigned by: <i>Dr. Romero Jalomo</i> 96D711B81012450...	06/30/2020
X		Director/Vice President (as required)	Date

20 . Approval

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

Support	Do Not Support		
		Superintendent/President	Date