



Hartnell College - Office of Institutional Advancement

Grant Concept Form

November 2020

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

Title: GPS to STEM Success: Equitable, Applicable, Social-Emotional Learning in First-Year Mathematics

Website: <https://rfp.calearninglab.org/> (The Grand Challenge: Overcoming the Calculus Barrier to STEM)

Abstract: Fill in Abstract below:

This is a collaborative \$1.5 M grant project between Hartnell and CSUMB (lead) for "The Grand Challenge: Overcoming the Calculus Barrier to STEM" by the California Education Learning Lab (CELL) as intersegmental teams from California's public colleges and universities to incorporate the science of learning and adaptive learning technology into their curriculum and pedagogy, with the express purpose of improving learning outcomes and closing equity gaps in STEM. Our project consists of three components to strengthen the first-year STEM pathway: focus on STEM students' needs and meaningful applications; address equity issues and improve coherence; Implementing social cohorts/mentoring pathways for students in first-year math/science.

2. Alignment with the College Strategic Plan and Feasibility

30 _____ % **Goal 1** - Increase Student Completion

[Link to Hartnell College Strategic Plan](#)

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

30 _____ % **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](#)

Focusing on the education and workforce development needs of communities; student access, learning, development, and success; excellence in teaching and student services that develop the intellectual, personal, and social competence; Diversity, Equity, and Inclusion; develop strategic relationships to grow our knowledge and strengthen our impact; Leadership and Empowerment;

~~Innovation through collaboration; Stewardship of Resources~~

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 | 5 _____ |
| 5) Low demand on resources (space, equipment, etc.) | 5 _____ |
| 6) Capable of sustaining project after grant ends | 4 _____ |

Total: ⁹ _____ (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.A; III.C;



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

N.A.

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.

- STEM programs access and success
- MESA programs: Math Engineering Science Achievement.
- STEM Guided Pathways and Meta Major, including entering the STEM path, stating n the path, and completion/transfer.
- Salinas Valley Promise



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5. Grant Type		Due Date
<input checked="" type="checkbox"/> New		04/23/2021
Continuation		04/23/2021
Funding Source		Agency/Organization
Public: <input checked="" type="checkbox"/> State <input type="checkbox"/> Federal		in 2018, Assembly Bill 1809 established the California Education Learning Lab (CELL) in order to improve learning outcomes and close equity gaps across California's public higher education segments, particularly in STEM disciplines. Learning Lab is part to grow and sustain a highly educated workforce that can meet the challenges of our changing world.
Private: <input type="checkbox"/> Foundation <input type="checkbox"/> Corporation		
<input type="checkbox"/> Individual		
6. Fiscal Information - Fiscal Agent		
<input type="checkbox"/> College <input type="checkbox"/> Foundation	Indirect Cost Rate: 8	Grant Amount: 1,500,000
7. Does the proposed project require matching funds or in-kind contributions?		
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	If yes, explain: N.A.	
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: N.A.	
9. Grant Timeline		
Grant Start Date: <u>7/1/2021</u>	Grant Ending Date: <u>06/30/2024</u>	
10. Proposal Lead		
• Proposal Lead:	<u>Dr. Jennifer Moorhouse / Dr. Mohammed Yahdi</u>	
• Title:	<u>Math Instructor / Interim Dean of STEM</u>	
• College Department:	<u>Math / STEM</u>	
• Phone:	<u>8317556895</u>	
• Email:	<u>jmoorhouse@hartnell.edu / myahdi@hartnell.edu</u>	



11. Additional Partners

Will this project include other agencies?

No Yes

If yes, explain:

This is in collaboration with CSUMB. They will provide the capacity to lead the overall management, assessment, evaluation, and reporting activities. The California Education Learning Lab (CELL) requires collaboration among intersegmental teams from at least two of California's public colleges and universities to apply for this grant.

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.

N.A.

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:

N.A.



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.

Use of existing office, classroom, collaborative, and learning spaces, as well as existing furniture, equipment, and technologies. Nothing additional will be needed.

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

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

N.A.

14a. Impact on Student Affairs and its resources?

What current resources will be used to implement this grant?

What new resources will be needed?

No new resources. Current resources will be used.



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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.)

Minimal to none, no more than the regularly provided data from the IR & IT, as that work will be led by CSUMB.

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

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

N.A.

15. Budget Plan – over the term of the grant

	Grant	HCCD Match	Match Other
Personnel Instructional	550,000	0	0
Personnel Non-Instructional	200,000	0	0
Operating	350,000	0	0
Equipment	250,000	0	0
Indirect	108,000	0	0
Total	1,458,000	0	0

Budget Notes:

\$1.5 million funding for this project. In our current planning, this is the amount needed to make this project successful and sustainable across the two institutions. The elements below give an overview of where and how the funds will be spent on this project:

Faculty time/effort (paid SPA) to implement the project; External/internal faculty professional development; Technology cost for curricular tools and tech training for faculty and student mentors; Travel for conference presentations/Articulation; Social Cohort events planning and implementation to build a community of STEM learners; The evaluation Team



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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.

Newly redesigned courses, learning support, and STEN activities for access and success integrated with current practice and services, including with MESA, Guided Pathways/College Redesign, Math Academy, STEM Internships, Salinas Valley Promise.

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

Fiscal Year:	07/01/2021	07/01/2022	07/01/2023
Personnel Instructional			
Personnel Non-Instructional			
Operating			
Other			
Total	0	0	0

Budget Notes:

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: 3/9/2021

List faculty members involved in development:

Jennifer Moorhouse, Laura Fatuzzo, Alicia Edelen, Leticia Contreras, Johnny Perez

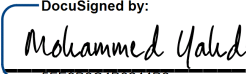

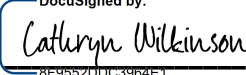


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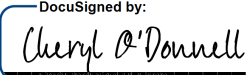
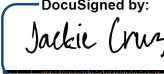
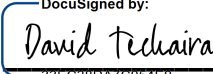




18. The proposed project supports the goals and objectives of Hartnell College

The following signatures are the responsibility of the Proposal Lead:

Support X	Do Not Support	DocuSigned by:  <small>5FE9B8C4B0244B8...</small> Proposal Lead	03/04/2021 Date
Support	Do Not Support	DocuSigned by:  <small>05E3B95A6C4F480...</small> Dean	03/05/2021 Date
Support	Do Not Support	DocuSigned by:  <small>8F9552DDC3964E1...</small> VP	03/05/2021 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 X	Do Not Support	DocuSigned by:  <small>E80E80D7B7AA498...</small> Academic Senate	03/11/2021 Date
Support X	Do Not Support	DocuSigned by:  <small>8DADC543DB574EE...</small> Vice President of Advancement and Development	03/11/2021 Date
Support X	Do Not Support	DocuSigned by:  <small>33EC38DA7C054E0...</small> Accounting Manager	03/24/2021 Date
Support	Do Not Support	DocuSigned by:  <small>1125A2F458D64D6...</small> Vice President of Administrative Services	03/24/2021 Date
Support X	Do Not Support	DocuSigned by:  <small>8C47DD6F3EE3496...</small> Vice President of Information Technology	03/24/2021 Date
Support	Do Not Support	DocuSigned by:  <small>F44C4880C8194C1...</small> Vice President of Human Resources	03/25/2021 Date
Support	Do Not Support	DocuSigned by:  <small>05E3B95A6C4F480...</small> Director/Vice President (as required)	03/24/2021 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**

DocuSigned by:

Dr. Raul Rodriguez

03/25/2021

C6E690A51F5E449
Superintendent/President

Date