STEM and Community Based Learning: Finding Intersects

Working collaboratively with local community to research, reflect, analyze, create…

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Session Goals

Discuss models of community based learning used at HMC

What issues do we face at the intersect of STEM and community based learning?

Outline an action plan on what steps to take to intersect STEM and community based learning
Community Based Learning at Harvey Mudd College

- **Brief history**
  - Seed grant Jan. 2014 to Dec. 2015
  - January 2016– strategic plan to institutionalize (3 year plan)

- **Service Learning Faculty Workshop Series**
  - From one hour session to an academic year long program
  - Year round **support**
  - Funding for **course design** (new or existing)

- **Service-Learning models**
  - Trial and error
  - Different for each course
Service Learning Models:

- Theme based
- One community partner
- Multiple community partners
- Team based projects
- Individual placements
- Intergenerational
Discussion

What challenge, opportunity, and strategies are at the intersect of STEM and community based learning?
Action Plan

- Where to start?
- Who can be an advocate?
- What support infrastructure will be needed?
  - For students
  - For faculty
  - For community educators
- Community outreach and partners (who/why?)
- Funding opportunities
Some Resources

Science Education for New Civic Engagements and Responsibilities - [http://sencer.net/model-courses/](http://sencer.net/model-courses/)

Purdue EPICS - [https://engineering.purdue.edu/EPICS](https://engineering.purdue.edu/EPICS)

Q&A and Contact

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