High-Impact STEM Education
a SENCER-Campus Compact partnership

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Mahalo ...
Team SENCER/Campus Compact
Science Education for New Civic Engagements and Responsibilities
National Science Foundation
2001
non-majors courses
learning communities
laboratories
majors courses
general education programs
Molecules (CO₂ vs O₂ and N₂)

Climate Change
Molecules (CO₂ vs O₂ and N₂)

Community Engagement

Climate Change
Molecules (pesticides and fertilizers)  
Genetics (GMOS)  

Undergraduate Research  
Food Security
Multidisciplinary Trouble
Sustainability
“It’s technology married with liberal arts, married with the humanities, that yields us the results that make our heart sing.”

-Steve Jobs
SENCERizing
CIVIC ENGAGEMENT implies working to make a difference in the civic life of our communities and developing the combination of knowledge, skills, values and motivation to make that difference. It means promoting the quality of life in a community, through both political and non-political processes.

For students, civic engagement can include community-based learning through service learning, undergraduate research, community-based research, or service within the community.
Knowledge through civic engagement
Indigenous knowledge and understanding
Knowledge brings responsibility
Obligation

Action
SENCERization
SENCER Summer Institutes,
Models Courses,
International Journal,
Assessment Tools,
Regional Meetings,
Web Resources
# SENCER.net

**Science Education for New Civic Engagements and Responsibilities**

## About SENCER
- About Us
- The SENCER Ideals
- SENCER Community
- SENCER Leadership
- Visiting Scholars
- Leadership Fellows
- Bennett Award
- News
- Get Involved

## Symposia
- About SENCER Symposia
- Summer Institute 2015
- DC Symposium 2015
- Regional Events
- Symposia Archives

## Regional Centers
- About the Centers
- Central Plains
- Chesapeake Bay
- Great Lakes
- MidAtlantic
- Midwest
- New England
- South
- Southwest
- West

## Resources
- Model Series
- Backgrounders
- Publications
- International Journal
- House Calls
- News
- Career Empowerment

## Assessment
- SENCER Results
- Formative Evaluations
- Assessment Initiatives
- Assessment Tools
- SENCER-SALG

## Subawards
- Implementation Awards
- SENCER FastLane
- Past Subawardees
- Apply for a Subaward
Community of Transformation

Kezar, A. and Gehrke, S.
Communities of Transformation and Their Work Scaling STEM Reform, 2015
SENCER Center of Innovation (SCIs)
2012
SCEWestNET
Nodal Network Approach

WM Keck Foundation
2015
SENIVER Model State
(video)
WHY SENCER? BECAUSE its everyone’s RESPONSIBILITY.