Making STEM Relevant In Underserved Communities

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California State University
SAN MARCOS
Acknowledgements

Charles De Leone  Debbie DeRoma
STEM Ambassadors
Vista Unified School District partners

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Calls to Increase The Number And Diversity Of STEM Majors

REPORT TO THE PRESIDENT

PREPARE AND INSPIRE:
K-12 EDUCATION IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (STEM) FOR AMERICA’S FUTURE

Executive Office of the President
President’s Council of Advisors on Science and Technology
SEPTEMBER 2010
PREPUBLICATION VERSION

REPORT TO THE PRESIDENT
ENGAGE TO EXCEL: PRODUCING ONE MILLION ADDITIONAL COLLEGE GRADUATES WITH DEGREES IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

Executive Office of the President
President’s Council of Advisors on Science and Technology
FEBRUARY 2012
Supporting education, outreach and service-learning relevant to Making

Participating in regional efforts to create a vibrant Maker ecosystem
Impacts On Youth Participants

Increases in
- Interest
- Self efficacy
- Perceived relevance

Related to Making/STEM
Impacts On Undergrad Facilitators

Increased leadership, 21st century, & technical skills
Key Features

- Aligns with mission of regional comprehensive University - access, community engagement
- University participation in informal setting can support outreach, broader STEM participation
- Convening power & near peer mentors are powerful elements in this effort.
NEXT STEPS:
Scalable, Sustainable Program Model

Pilot Afterschool Program

The California State University

STEM Ambassadors & CSL Facilitators

Community of Practice
- Informals
- University
- Schools
- Makers

Regional Afterschool Program