



CSU STEM Partnership Opportunities

Prepared for

CMMAP

10 August 2011

Center Overview

ted in January 2011

main Goals:

Facilitate and Coordinate STEM Education Outreach & Professional Development

Foster Innovation in Undergraduate and Graduate STEM Education and STEM Teacher Preparation

Be a Leader and Advocate for Policy Reform in STEM Education

Provide Research and Program Evaluation Services



Recent CMMAP-CSU STEM Center Activity

2011 Summer Camp experience





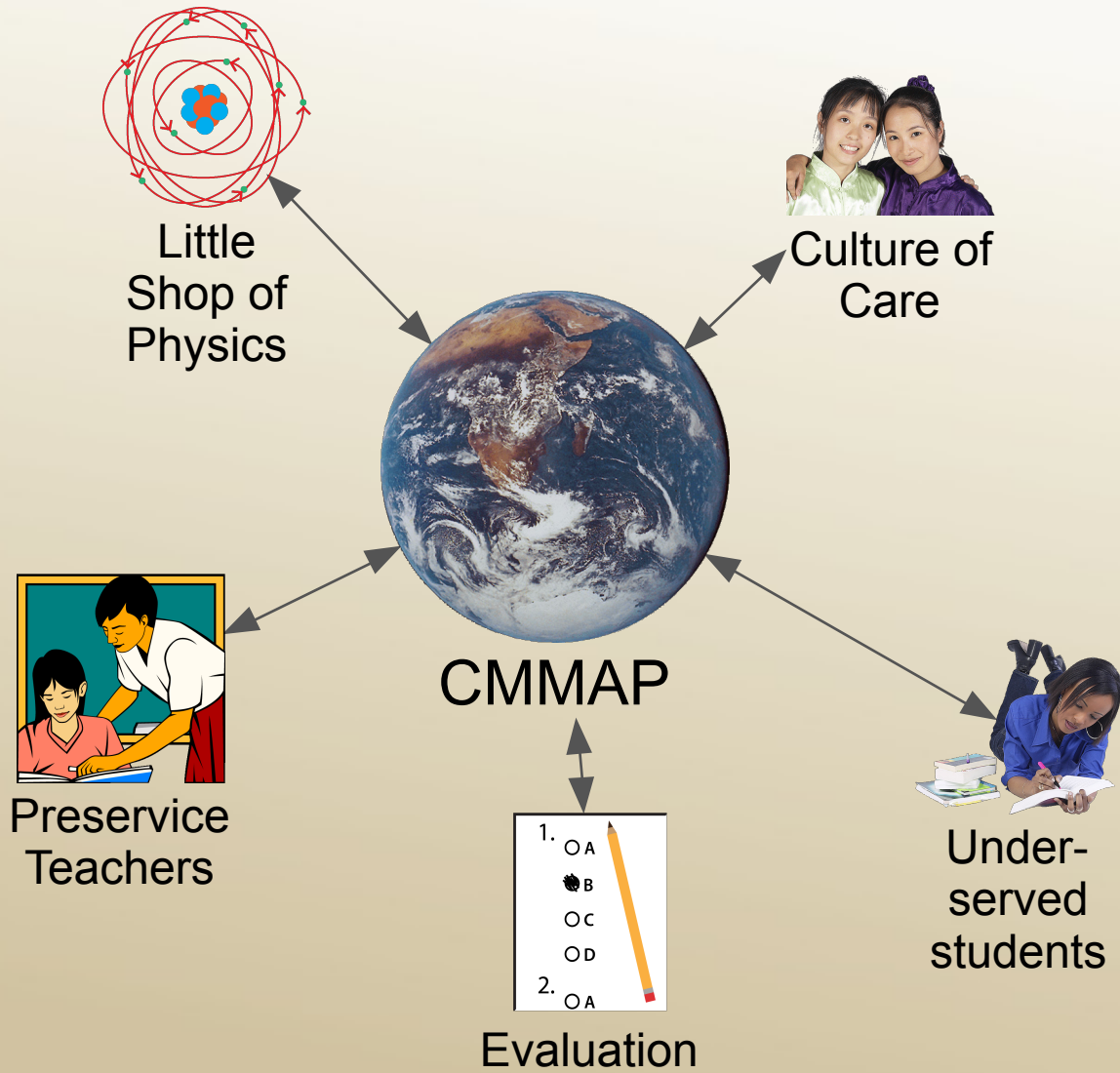
Camp Details

Students from Under-Represented
Populations

Week-long resident experience

Pre-service teacher participation

CMMAP curriculum





NSF Broader Impacts Criterion

How well does the activity advance discovery and understanding while promoting teaching, training and learning?

How well does the proposed activity broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.)?



NSF Broader Impacts Criterion

to what extent will it enhance the infrastructure for research and education, such as facilities, instrumentation, networks and partnerships?

Will the results be disseminated broadly to enhance scientific and technological understanding?

What may be the benefits of the proposed activity to society?



Partnership benefits

Addresses Broader impact for NSF

- Under-Represented students,

- K12 Audiences,

- Future STEM teachers exposed to CMMAP research and curriculum



CSU STEM Center Personnel

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or Academic and Student Affairs in COE)



CSU STEM Center Personnel

Research Associate: Dr. Laura Sample McMeeking
(background in Education Evaluation)



CSU STEM Center Personnel

Post Doc: Dr. Heidi Iverson (background in Science Education innovation)



Center Goals

**Facilitate and Coordinate STEM Education
Outreach & Professional Development**



EM Education Outreach & Professional Development

State-Wide Partnerships

- CSU Engagement Office
- Summer Camps
- Pre-service teacher preparation and involvement
- School Partnerships



Statewide Organization



Center Goals

Foster Innovation in Undergraduate and Graduate STEM Education and STEM Teacher Preparation



Center Goals

**State Leader and Advocate for Policy Reform
in STEM Education**



Center Goals

**Provide Research and Program
Evaluation Services**



Partnership Opportunities



Scaling up existing materials

venues for dissemination

web based

summer camps

valuation

increase impact of their work?



Proposal collaborations?

ring educational credibility and
laboration to education proposals.

tegration with other units, broader impac
oss-cutting efforts





