

Org-Type	Higher-Education-based		
Lead	College of Science and Mathematics, CSU Fresno	PoC	David M. Andrews, Director
PoC-Phone	559-278-5174	PoC-Email	davidan@csufresno.edu
Address	2555 E. San Ramon Mail Stop SB 73, CA, 93740		
URL			
Service-Region	Central Coast		
Type	Professional Development for Teachers		
Subjects	General Science Chemistry Physics Earth Science Other		
Level	Teacher Certification Professional Development		
Other-Objectives	planetary geology, modeling chemistry, modeling physics, bioinformatics, oceanography linked to NASA data, lesson study mathematics, problem solving, ecology of California and geology of California to name just a few areas		
Served-per-Year	5000	Demographics	
Content	<p>The Science and Mathematics Education Center (SMEC) was developed in 1999 to provide services to enhance the preservice science and mathematics teacher preparation program at CSU Fresno and to expand professional development outreach programs and opportunities for science and mathematics teachers in the Central Valley of California. SMEC is linked closely with the CSU Chancellors Office in several important state-wide programs and works closely with NASA in educational outreach initiatives. SMEC has overseen several multi-million dollar science and mathematics education programs over the past six years. It is based in the CSU Fresno College of Science and Mathematics as an independent auxiliary organization. Primary funding is derived from such sources as NSF and the Ca Dept of Ed. The university provides infrastructure and some staffing.</p>		
Outcomes	<p>Improvement in the preparation and readiness of future science and mathematics teachers. It is also trying to play a role in recruitment of science and mathematics teachers for middle and secondary school science and math classrooms. SMEC also target improvement in pedagogy as practiced in the K-12 science and math classroom and at the university to a degree. Professional development programs attempt to infuse outstanding pedagogical practices in the delivery of science and math content.</p>		
Started		Funded-Through	
Length		Cost	
Primary-Funding		Primary-\$	
Materials			
Other-Funding			
How-Assessed			
Best-Practice-Why	Yes. We have incorporated research based pedagogical science and math content programs for several years that have been nationally evaluated and nationally recognized.		
Promising-Practice			
Sponsor		Sponsor-Org	
Sponsor-Phone		Sponsor-Email	
Other-Orgs	Reedley College, Fresno City College, West Hills College, Lemoore, Fresno Unified School District, Sanger Unified School District, Tulare City Schools, Kings Canyon School District, Central Unified School District, Selma Unified School District, Visalia Unified School District, Sierra Unified School District, Madera Unified School District, Dinuba Unified School District, UC Merced, CSU Office of the Chancellor and CSU campuses NASA, NSF, US Dept of Ed, DOE, Ca Dept of Ed		