

Org-Type	Higher-Education-based		
Lead	California State University, Chico	PoC	Dr. Sergei Fomin
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Address			
URL			
Service-Region	Nationwide		
Type	Professional Development for Teachers Student Program Lesson Plan Resources		
Subjects	Math		
Level	High School (9-12th grade) Undergraduate		
Other-Objectives			
Served-per-Year	Demographics		
Content	<p>The REU/RET in mathematics at California State University, Chico targets secondary teachers with a strong interest in mathematics or statistics and undergraduates students who have completed their junior year. For six weeks of each summer, twelve participants, including three teachers, will work in three research teams on problems selected from Dynamic Geometry, Knot Theory, Mathematics Education, Mathematical Modeling, and Number Theory. Depending on the field, projects may be appropriate for students from scientific disciplines other than mathematics.</p>		
Outcomes	<p>The research experience is intended to give participants an appreciation for the breadth and depth of mathematics and its applications while providing undergraduates an opportunity to improve their communication skills and providing in-service teachers an experience which will deepen their understanding of mathematical content and inspire pedagogical innovation in their classrooms. By working on open problems in mathematics, participants will experience the excitement of exploration, discovery, analysis, proof, and systematization that are part of the mathematician's world. While much of mathematics is accessible only after years of study, the field is rich enough to allow for a fuller mathematical experience at the undergraduate level.</p>		
Started		Funded-Through	
Length	Ongoing	Cost	
Primary-Funding		Primary-\$	
Materials			
Other-Funding			
How-Assessed			
Best-Practice-Why			
Promising-Practice			
Sponsor		Sponsor-Org	
Sponsor-Phone		Sponsor-Email	
Other-Orgs			