

STEM Power- Overarching Structure

Problems: Low student achievement in math/science
Achievement gap/Opportunity gap

Lever:
High-quality first instruction by the classroom teacher

Therefore, need for: High-quality professional development for teacher educators:
 NGSS/Common Core Math Content and Prioritized Skills
 Mentorship
High Leverage Practices

Pit crew support team:

STEM Power Professional Learning Team

Science
 Math
 Computer Science
 Engineering
 Special Education
 Teacher education pedagogy

University teaching faculty
 Teachers on Special Assignment:
 SCUSD
 SJUSD



Cooperating Teachers:
 SJUSD
 SCUSD
 University Supervisors

Extension of NGEI Partnership Project
 2016- 2019

Learning to teach continuum: Preservice (CSUS)... Inservice (Induction, Professional Learning opportunities...)

2018/19	2019/20	2020/21	2021/2022	2022/2023
Summer institute Monthly professional learning	Summer institute Monthly Professional learning	Summer institute Monthly professional learning	Summer institute Monthly professional learning	Summer institute Monthly professional learning
Getting on the same page	Action research	Lesson study	Coaching cycles	Coaching cycles