

# PRINCIPLE 4

Instruction incorporates evidence-based curriculum and pedagogy.

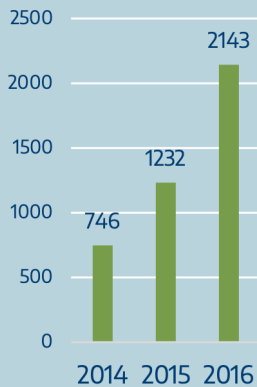


## San Jacinto College

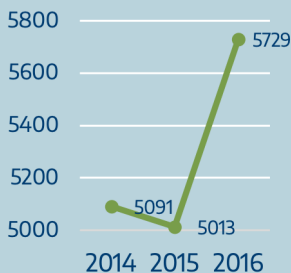
Pasadena, TX  
www.sjcd.edu

### Success Points

#### Math Readiness



#### Students Who Pass First College-Level Math Course



Texas Success Center

### Faculty Development

- The Math Research and Development (R&D) team develops and supports professional development opportunities for all math faculty.
- Five years of analysis of the Acceleration in Mathematics (AIM) model informed new ideas about student success: Students are more successful when they are actively engaged in learning, assessed more frequently, and experience less time between developmental and gateway concepts.
- Math faculty actively engage in instruction using the standards of pedagogy set by the Math R&D team.

### Professional Learning Opportunities

All New Faculty	Full-Time Faculty	Part-Time Faculty	Department Chairs & Deans
New Faculty Academy (NFA): 60-hour training experience	Funding for travel to professional association conferences	Center for Excellence in Teaching & Learning provides paid trainings	Summer academy for department chairs and deans
Week before classes: 14-hour NFA blitz followed by ongoing weekly professional development	In house training: Study skills, learner-centered teaching, metacognitive experiences, SJC pedagogy, etc.	Part-Time Faculty Teaching & Learning Conference on nurturing student success	Exposure to new ideas and emerging initiatives for instruction

### Continued Innovation

- The Math R&D team analyzed data and determined that the traditional model was ineffective, there was need to scale the AIM model to all full-time students, there was need to adjust the AIM model for part-time students, and continued development was necessary to serve students for whom the AIM model was too intense.
- The outcome was a new structure for all gateway math students: Accelerated Statistics and Probability (ASAP) and Accelerated Quantitative Reasoning (AQuiRe) were developed to support non-STEM students.

