

# Plus One Algebra Tutoring

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Eureka! Leadership Institute 2014

# The Need

- **Algebra as a “Gatekeeper”**
  - "The graduation rate was two times greater [for] students who passed Algebra 1 by their freshman year of high school" -- California Dropout Research Project at UC Santa Barbara
- **Algebra in Vallejo**
  - Only 25% of Vallejo 8th Graders who are taking algebra achieve proficiency -- 2013 Star Test

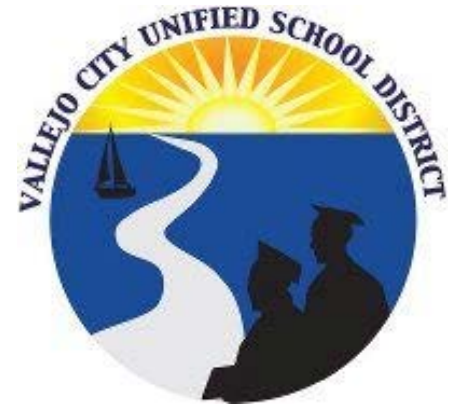
# The Project

- **One-on-one tutoring sessions, held at local middle schools**
- **Goals:**
  - Improved grades
  - Increased confidence
  - Develop role models



# Partners

- **Pasadena City College**
  - Access to tutor training materials
- **Vallejo City Unified School District**
  - Students
  - Location
  - Grades



# Project Activities

- Recruit tutors
- Train tutors
- Recruit students
- Implement one-on-one sessions



# Outcomes

- Confidence
  - 100% “strongly agreed” that their confidence in math improved
  - 57% “strongly agreed” and 43% “slightly agreed” that they felt more confident about high school
- Role models
  - 71% “strongly agreed” and 29% “slightly agreed” that they formed a positive connection with their tutor

# Testimonials

“Learning more about math was awesome” - student

The best part was “that [my tutor] got to help me with the stuff that was hard for me. . . . I wouldn’t have changed anything” - student

“It was well-used. For the people I know needed it, it worked”  
- Regina Collins, Solano Middle School Afterschool  
Coordinator

# Outcomes: Grades





# Outputs

- 20 tutors
  - 18 volunteers
  - 2 paid substitute teachers
- 30 students
  - Tutored weekly for one semester
- 50 Algebra books given to students

# Challenges! part one



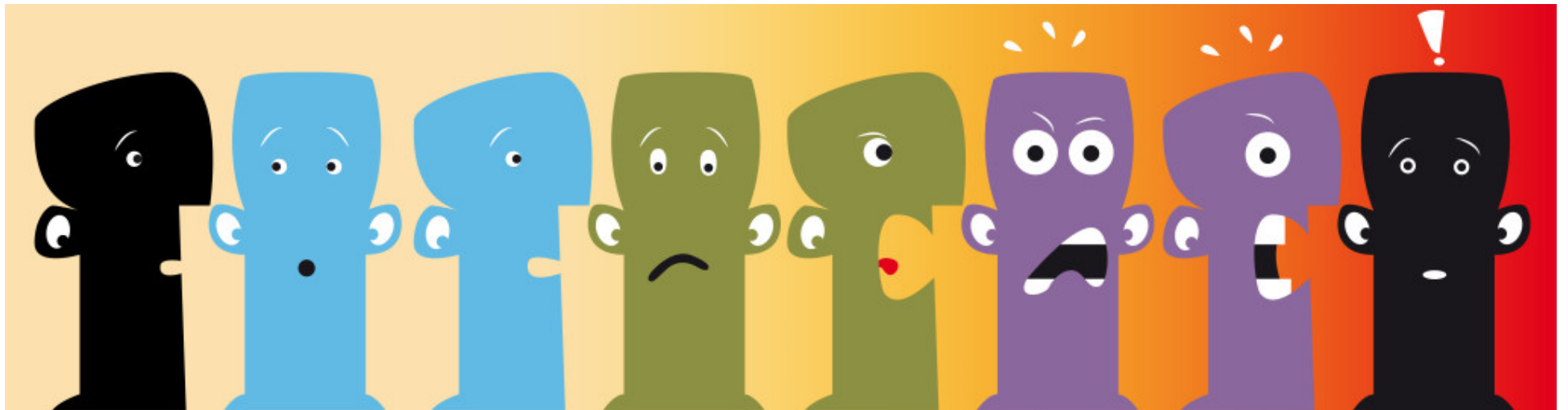
# Challenges! part two

Not enough tutors



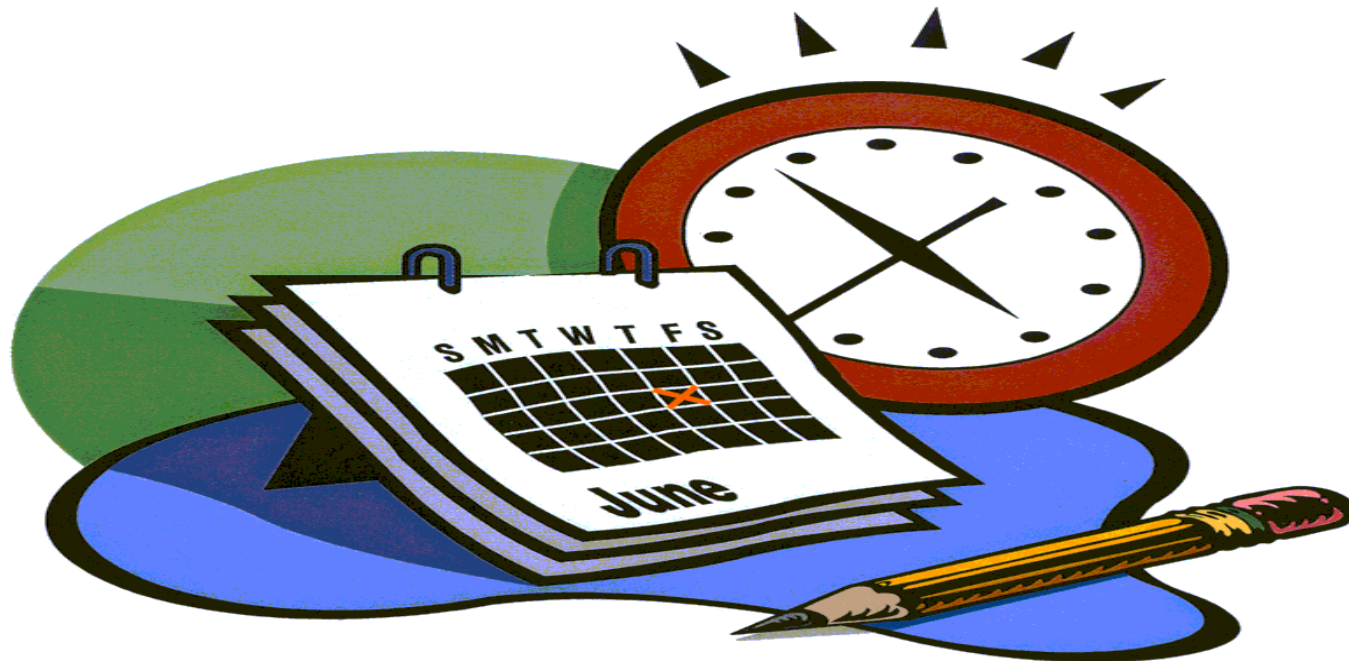
# Challenges! part three

## Miscommunication



# Lessons! part one

Not a good fit for the grant schedule?



# Lessons! Part two

Partnership



## Lessons! part three

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