

Project R.A.I.S.E.

Mission

To promote science and academic achievement through the effective use of technological tools in communication strategies.



Participants

- Schools
 - George Westinghouse HS
 - Marta Valle HS
 - Paul Robeson HS
 - HS of Telecommunication Art and Tech.
- Courses
 - Marine Science
 - Regents Physics
 - Regents Biology
 - Conceptual Physics

Revitalizing
Achievement by using
Instrumentation in
Science
Education



Tech Resources

Methods

Visual Aids

RAISE



Effectiveness

- Convey a modern approach for doing science, engineering, and technical work.

SMART Boards

- Energizes subject matter and motivates students

Google Spreadsheets

- Coordinate Record Collaborate



Biology Sensor

- Helps visualize information



Unique communication techniques to spark interest in science and engineering.

Fellows

- Graduate
 - William Kok
 - Farhan Mudasir
 - Elissa Seidman
 - Chris Wilkins
 - Edwin Yu



Professors

- Undergraduate
 - Margaret Cwikla
 - Yuen Man Lau
 - Mark Pytel
- Professors
 - Vikram Kapila
 - Magued Iskander
 - Noel Kriftcher

Pedagogy Workshops

- Interaction with teachers
 - Teaching strategies discussed
- Lessons in Pedagogy
 - Regular meetings with pedagogy expert

Impact

- Role Models
 - RAISE Fellows are peers to high school students. This breaks down barriers in communication and gives them positive example to follow.
- Engineering Backgrounds
 - RAISE Fellows are truly interested in the fields they teach. Their enthusiasm carries over into the classroom.

Demonstrations

- Principles of physics and their relationship to engineering
 - Target Practice Competition
 - Aim: To hit the target with the most accuracy in the least amount of tries.
 - Team one utilizes physics formulas
 - Team two employs trial and error

Method	Physics	Total and Error
Titles	1	4
Score	100	50
Final Score (Division)	100	12.5

Powerpoint presentations used to stimulate interest



polytechnic UNIVERSITY

- Founded in 1854, Polytechnic is the second oldest engineering school in the United States. Among our graduates and faculty are Nobel laureates, notable inventors, world class scientists and successful entrepreneurs.

communication



RAISE

education

RAISE

knowledge

RAISE

potential

