"Building Green-Building Smart" Academy Update

John F. Kennedy High School
October 30, 2012

"Building Green–Building Smart" Introductions

- Teachers – the people who really make these partnership pathways work

- Mr. Stan Hearn – construction technology instructor, MVROP
- Mr. Scott Canady – Kennedy math teacher
- Mr. John Webb – Kennedy industrial arts teacher
- Ms. Carol Puklus – Kennedy math teacher

- Others – Necessary non-classroom pieces to the partnership

- Mr. Tom Hanson – Principal, Kennedy High School
- Mr. Pete Murchison – Superintendent of the MVROP
- Mr. James Maxwell – Director of Secondary Education, FUSD
- Mr. Jim Omlid – Coordinator of High School Programs, MVROP
- Mr. Eddie Velez – Assistant Principal, Kennedy High School

Why is a Green Construction academy a good idea for Kennedy?

- We are looking to answer the question, “what are we doing this for?” We want to make a connection between students and the application of a rigorous core curriculum – (we all know that math and English are a large part of the core curriculum)

- We want students to see the inherent value of algebra/geometry very early in their high school years – students are more positive about meaningful application

- We want students to complete three years of math – algebra 1, Geometry, Algebra 11. This is not always easy to do when students can’t seem to find the relevance of the classes.

Academy Goals:

- Improve Student Performance in Math
- Train students in Green Construction
- Increase high school graduation rates
- Improve Rigor
- Improve Relevance
- Improve Realationships

Starting Point (Spring, 2012)

- Planning phase of the program
- Recruiting potential candidates for Geometry in Construction (Walters JHS and Kennedy HS)
- Find / Plan training for staff before September
- Convert KHS Wood Shop into a usable classroom for Algebra in Construction.

Academy Progress

- Creation of Geometry in Construction Cohort for 2012-2013 School Year
- Creation of Algebra in Construction Cohort for 2012-2013 School Year (9th Grade)
- BGBS teacher training (August, 2012)
- Woodshop transformed into classroom for Algebra in Construction.
- High student interest in both Geometry and Algebra components of the Program.

Geometry in Construction Overview:

- 10 credits of Geometry
- 10 credits of Construction
- Currently 42 students enrolled
- The content is heavily weighted with Geometry and will gradually end the year heavily weighted in Construction.
- Students are already applying geometric principles to construction.

Algebra in Construction Overview:

- 10 credits of Algebra 1
- 10 credits of Woodshop 1
- Currently 53 students enrolled (9th Grade)
- Team taught by Ms. Puklus and Mr. Webb in the JFK Woodshop.
- The Woodshop has been equipped with a Promethian Board to better meet student needs.