

Stuart-Hobson Middle School

Student Spaceflight Experiments Program (SSEP)

Mission 1 to the ISS

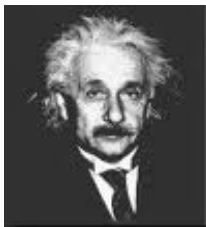


NASA Space Grant Mid Atlantic Regional
Meeting in Princeton, NJ
November 4, 2011



NBPTS

National Board for
Professional Teaching Standards



The Albert Einstein Distinguished
Educator Fellowship Program

Where Classroom Practice Informs Policy



Capitol Hill Cluster School

Where Every Child Achieves



Anthonette Peña,
8th Grade Science Teacher



Capitol Hill Cluster School
Where Every Child Achieves



Peabody Early Childhood
150 students
Pre-K 3, Pre-K 4, and
Kindergarten



Watkins Elementary
528 students
grades 1st-5th



Stuart Hobson Middle School
410 students
grades 6th-8th

Stuart-Hobson Middle School

- 20% of the students living in Capitol Hill and 80% living in other regions of the District
- Student body: 82% Black, 3% Hispanic, and 15% White
- Title I school: 51% of the student population receives free or reduced-price lunch
- Special Education: 11% of the students require Special Education accommodations

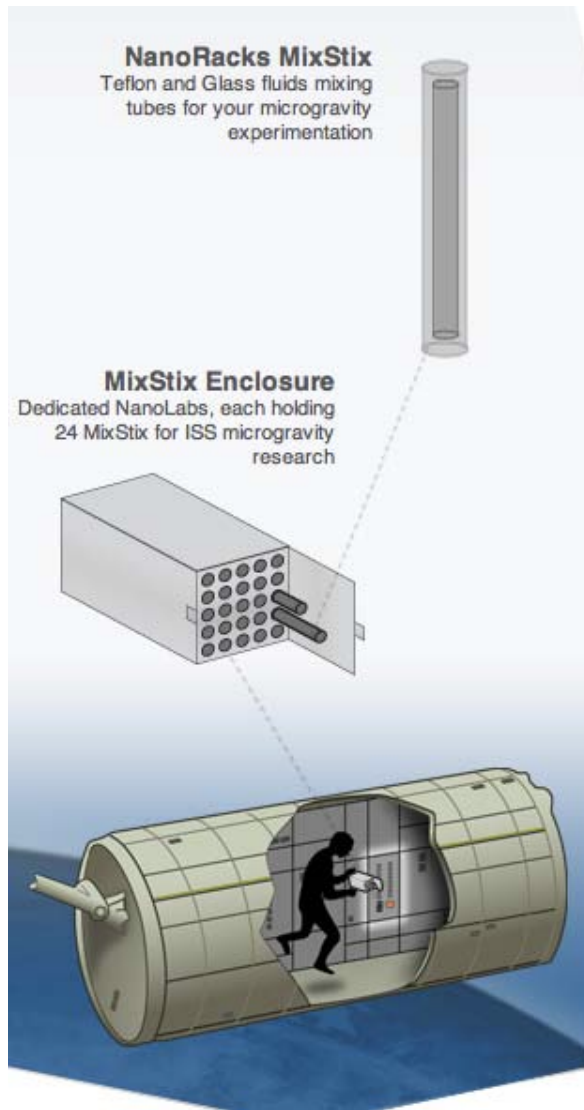
My Students





ESSENTIAL QUESTION:

What phenomenon associated with a physical, chemical, or biological system would I like to explore with gravity turned off for 45 days?



- No more than 2 or 3 experiment samples (fluids and/or solids) can be brought together; you can also just fly a single sample that requires no mixing in orbit
- The experiment will be done in the shirtsleeve environment of the International Space Station
- Sample volumes are small—this is a mini-lab with small test tubes
- The experiment is ‘turned on’ by an astronaut, and proceeds on its own for 45 days in orbit

Mission Patch Art Contest

We also have the opportunity to send two (2) Mission Patches to the International Space Station next spring.



THANK YOU!



**NASA District of Columbia
Space Grant Consortium**

National Center for Earth and Space Science Education

