**Engineering is Elementary**

**A Sticky Situation: Designing Walls**

**Title of Workshop:**

Engineering is Elementary:

A Sticky Situation: Designing Walls

**Intended Audience:**

Classroom teachers, paraprofessionals, and administrators working with Migrant Students

**Approximate Time Needed**

**6 Hours-**Full Day Training if you are interested in a in depth look at the lessons and supports for this four lesson unit.

**2Hours-** With FPD’s to go over the attributes of the units for possible afterschool or summer school use.

**Purpose**

There is a dual purpose to this training.

1. To go through entire unit with classroom teachers for mechanical use in the classroom. Teachers walk away with understanding the lessons from both a student and teacher perspective. In addition participants will learn about the materials in the unit along with supports to meet the unique needs of migrant students.
2. To provide participants with different models of implementation including summer school and afterschool sessions.

**Participant Outcomes /Success Criteria**

**Outcomes:**

* Immersion into the world of engineering through literature, hands on scientific inquiry and the design of solutions to real world problems through the engineering design process
* Supports to make both the science and engineering more comprehensible through sheltered instructional strategies and science notebooking techniques
* Explore models of implementation for summer school and extended learning opportunities

**Materials Needed**

Teacher’s Editions (One per participant)

Student literature book (One per participant)

Technology in a bag-with migrant supports

Kit Materials (Four boxes)

GLAD Big Book-Could use PowerPoint for training

GLAD Observation Charts-Hung on Wall

**Handouts**

* **Prep Lesson/Assessment Handouts**
  + P-1 [Found at the end of Prep Lesson]
  + A-1 [Found in the Assessment Section]
  + A-2 [Found in the Assessment Section]
* **Lesson One Handouts** 
  + 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 1-9
* **Lesson Two Handouts**
  + 2-1, 2-3, 2-5, 2-7, 2-9
* **Lesson Three Handouts** 
  + 3-1, 3-2, 3-3, 3-4, 3-6, 3-7
* **Lesson Four Handouts**
  + 4-1, 4-4, 4-5, 4-6, 4-7, 4-9
* Other
  + Migrant Template to add to unit
  + Home School Connections
  + Story Book Illustrations
  + Family Letters in Spanish

**Draft Agenda Topics**