

Fall 2012 Semester Outline

Introduce relevant vocab in the beginning of each class

i.e. http://www.stompnetwork.org/images/pdf/units/nonlego_resized.pdf

Class 1:

- Intro to different types of engineering
 - Show pictures of different objects/structures and have them guess what kind of engineer would design each one
- Intro to Engineering Design Process

Class 2:

Civil Engineering

- Remind them what civil engineers do, and how egg drop relates
- Activity: [Civil Engineering - Egg Drop](#)

Class 3:

Civil Engineering cont'd

- Activity: [Paper Bridges](#)

Class 4:

Mechanical Engineering

- Activity: [Mechanical Engineering - Rubber band boats](#) OR [Mechanical Engineering - Catapults](#)

Chemical Engineering

Activity: Play-dough

Electrical Engineering

Activity: Insulators & Conductors

Have them search around classroom for them