

Bell ringer- Please go to your google classroom and comment on your bell ringer.

### Share your research

- Create one electronic organize about your scientist.
- Add and picture of your scientist.
- 15mins ...ready...go

EQ: What are the similarities and difference between Science and Engineering?

Language Object: List 2 testable questions that will assist your table design.

### Match up: What do you already know?

Science=S  
Engineering= E  
Both= B

### IS BUILDING A PAPER TABLE A SCIENCE OR ENGINEERING CHALLENGE?



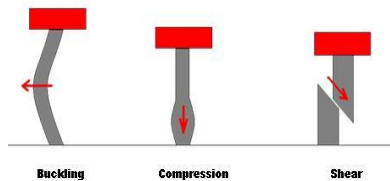
What problems might you encounter when engineering a structure?

- [Tacoma Bridge](http://www.youtube.com/watch?v=...) <http://www.youtube.com/watch?v=...>



### VOCABULARY

- Load
- Force
- Torsion



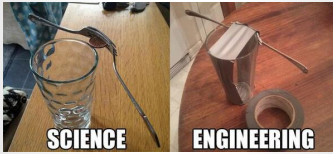
### How can we build a strong structure out of a weak material like paper?



Test able questions...

Google classroom response.

**Do you agree with this image? Why or why not?**



### **Extension**

EQ: How are independent and dependent variables different?

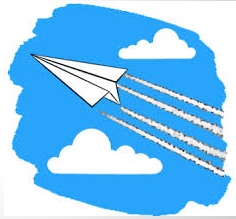
Language Object: Write a lab procedure that has clear variables and controls.

### **Pre-test on variables**

### **Worksheet page 3-4**

Airplane lab

- computer paper-2
- paper clips
- meter stick



### **Design a lab**

Controls

Variables

Procedure on how to carry out the lab

<https://www.youtube.com/watch?v=BZUccKFxTS4>