Let's Build a Bridge!
What Is a Bridge?

- A raised road, commonly, going across a body of water
- For vehicles and people
- Bridges can be massive or short
Why do Bridges Stay Up?

- Supports
  - Triangles
  - Posts
  - Beams
  - Cables
Some of the Many Types of Bridges

- Pratt
- Parker
- K-Truss
- Howe
- Camelback
- Warren
- Fink
- Double Intersection Pratt
- Warren (with Verticals)
- Bowstring
- Baltimore
- Double Intersection Warren
- Waddell “A” Truss
- Pennsylvania
- Lattice
Some Bridges You May Have Heard of

Golden Gate Bridge

Tower Bridge

Brooklyn Bridge
Contest

You have until 10 minutes before the end of class to build a bridge that you think will hold the most weight.

- You can work solo or in groups of 2
- The bridge must be at least 10 inches long
- It cannot have any center poles
- The bridge will be set on 2 planks of wood
- Weights will be set on the surface of the bridge
- The bridge that can hold the most weight will win a prize!
- You must use the materials provided
Your Time Starts...
NOW!!!!