

DISTANCE CHALLENGE

BREAKING BRIDGES



THE CHALLENGE

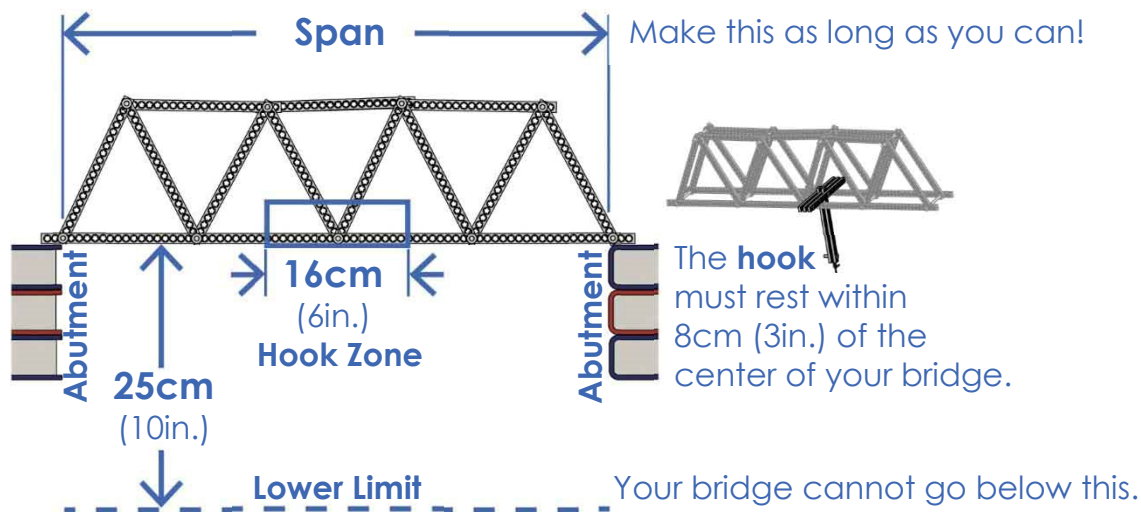
Create the **LONGEST BRIDGE!**
(that supports an empty bucket)

The Akashi Kaikyō Bridge has the longest span in the world – 1991 meters (6532 feet). That's almost 22 football fields!



CONSTRAINTS

(rules and limits for your design)



Load: This is the minimum weight your bridge must support.

1 Empty Bucket



Components: The maximum number of components that can be used on your bridge design.

- **4 Full Strips** (30cm/12in.)
- **20 Half Strips** (15cm/6in.)
- **3.2m (17ft.) Colored Wire**
- **10 Bridge Screws**
- **30 Bridge Nuts**



Add recycled materials to your bridge to make it more fun and better looking! These materials cannot be used to make your bridge stronger.