Week_16

Welcome Trinity Robotics, Electronics & Engineering Students.
01/17/2024

This week we will begin with a review.

Lets think about forces.

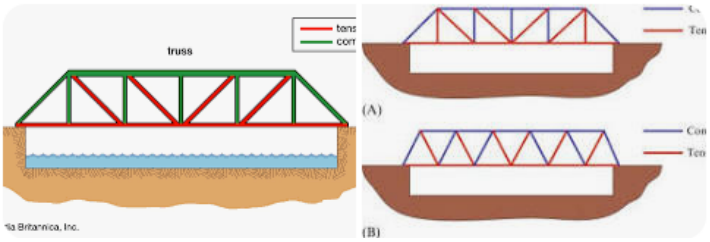
A force can be on anything and in any direction.

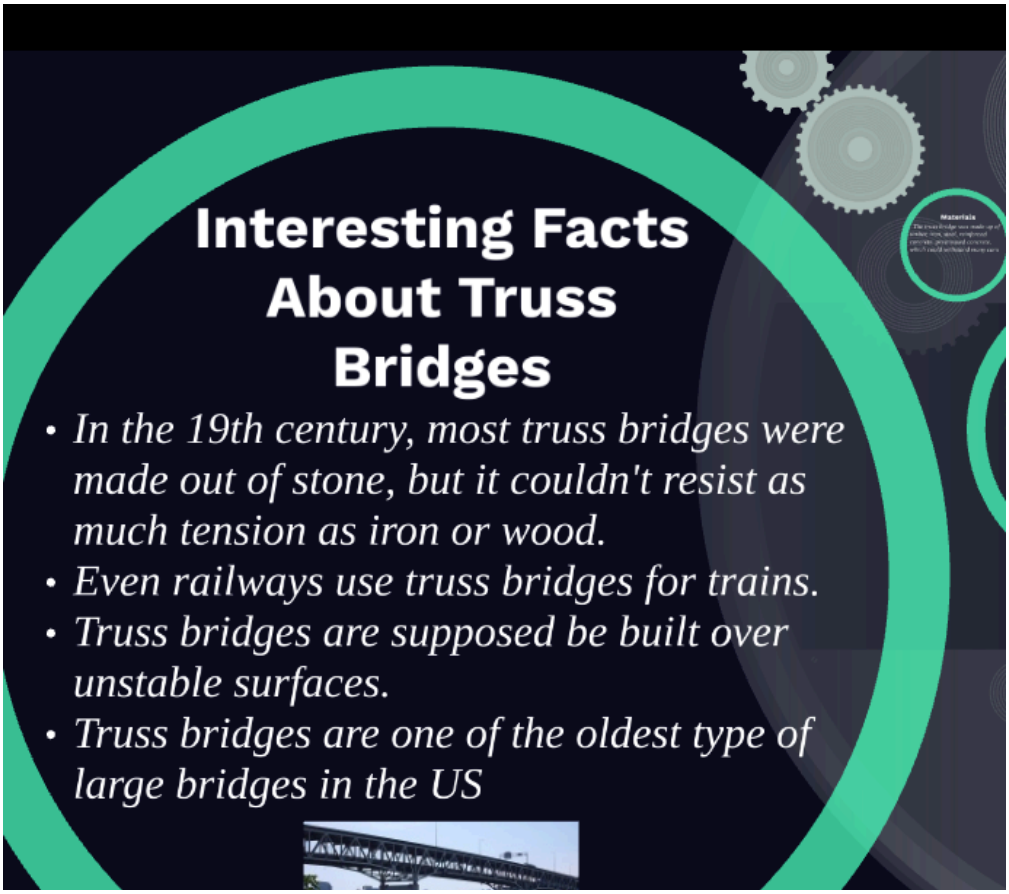
As engineers we want to design for 2 specific forces.
Tension and Compression.

On truss bridges, **a tension member is subject to forces that pull outward at its ends**. Even on a

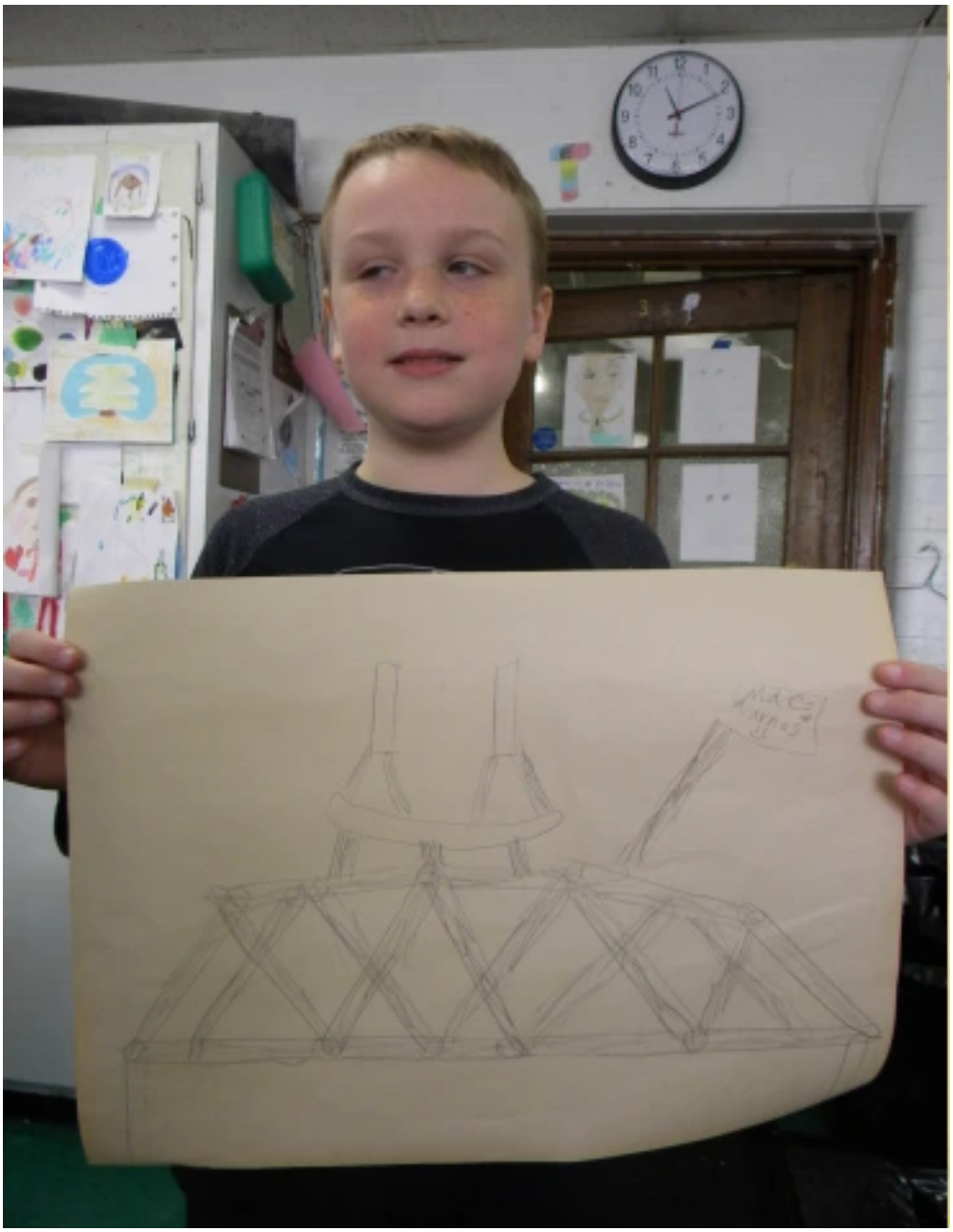
"wooden" truss bridge, these members are often individual metal pieces such as bars or rods.

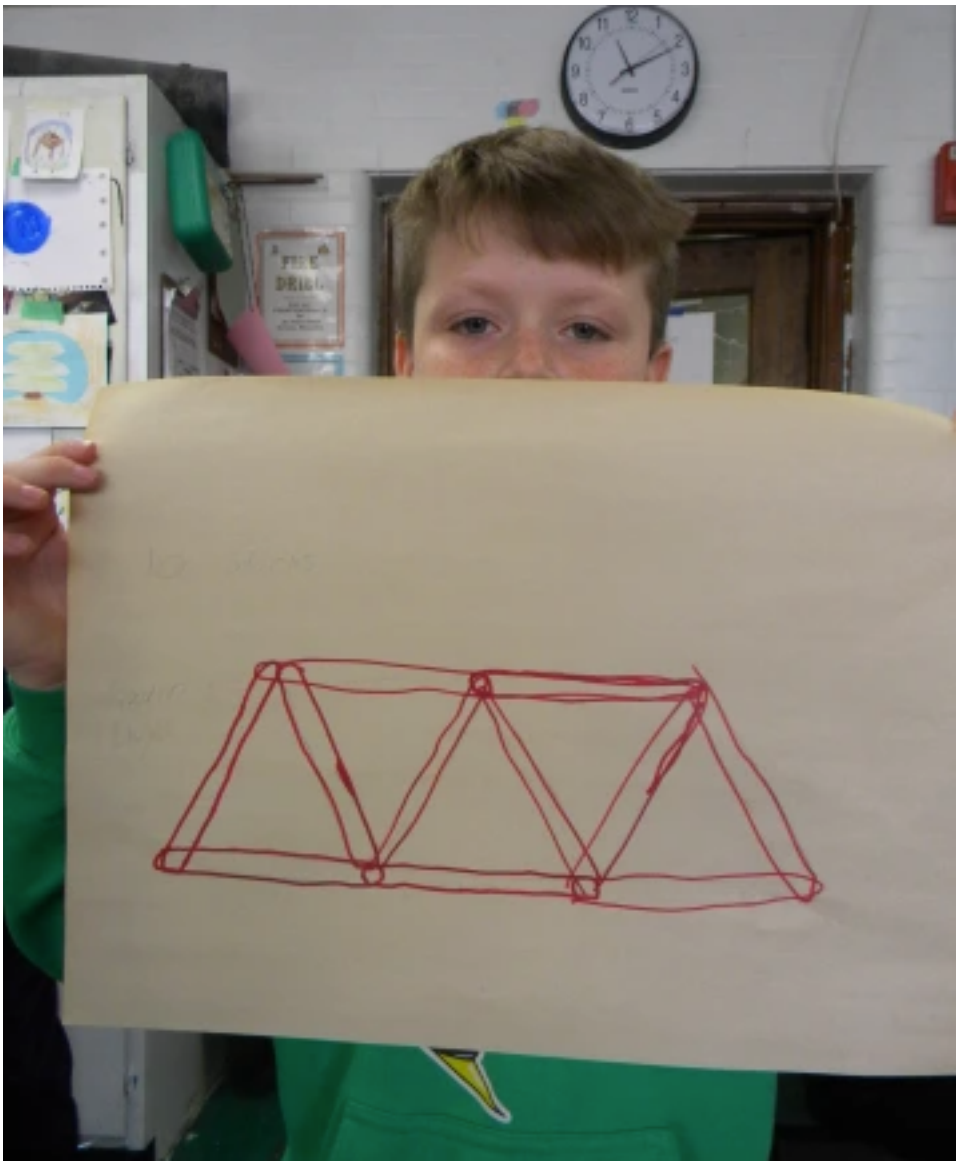
Compressive forces push or compress together and are heavier. The individual members form a triangular pattern.

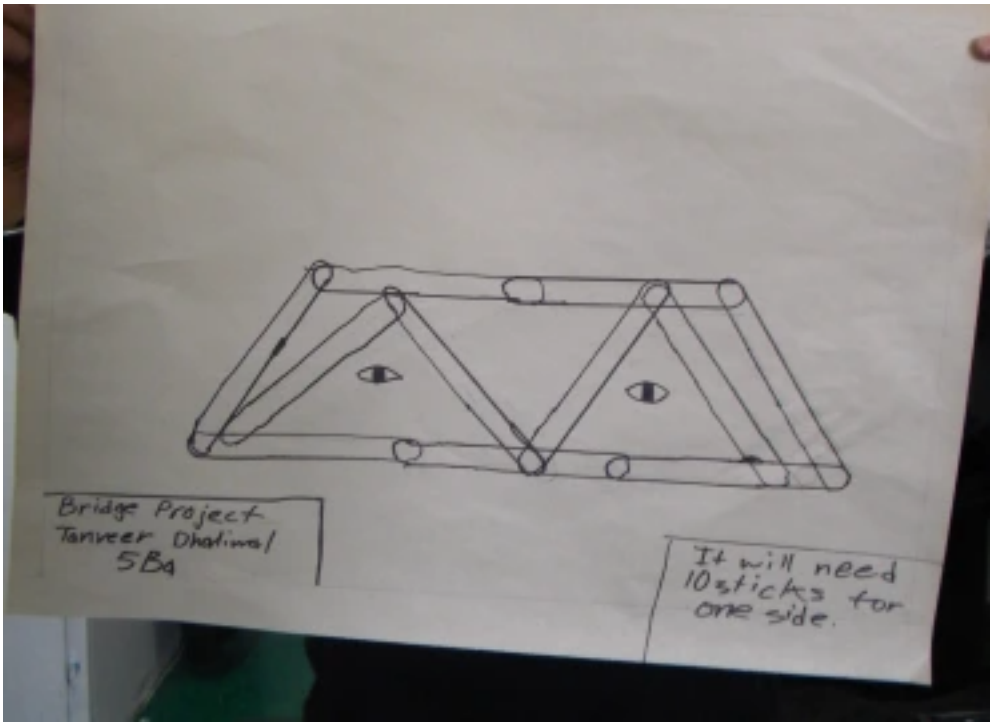




Examples:






Bridge Project
Tanveer Dhaliwal
5B4
It will need
10 sticks for
one side.

Here is a short video:

Truss info & details
https1://youtu.be/7FqteQu43qU

(Truss Design):
https1://www.youtube.com/watch?v=KJdIbCn4NuE

Next we will begin our design for our Own truss bridge…