



# BRIDGING THE GAP

By Lily 5C ☺

# GOLDEN GATE BRIDGE

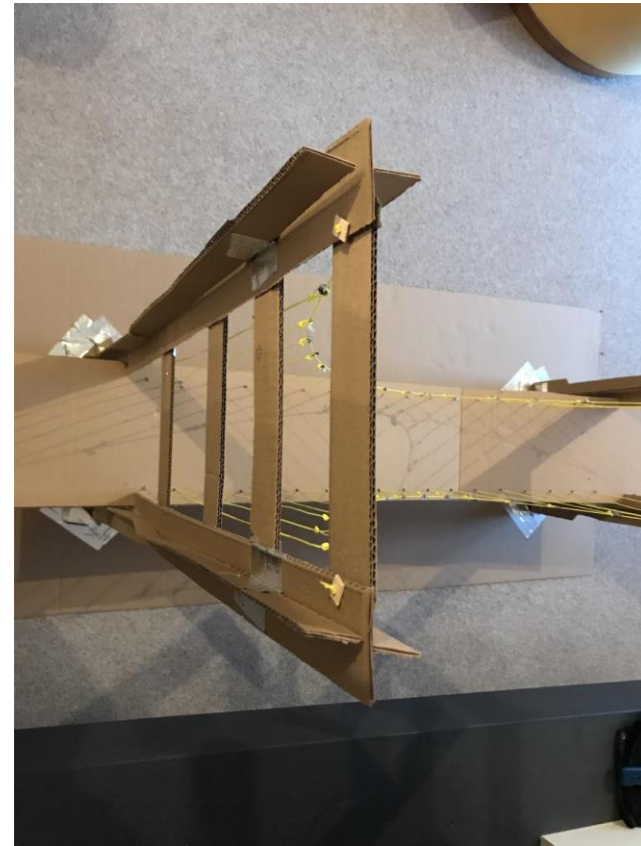
I designed my bridge on The Golden Gate. I chose this bridge because it is really pretty and is a suspension bridge which is what I wanted to build.

I thought I should do it because I had been over it and under it in 2018. So I know what it looks like very well.



# MAIN TOWER CROSS

As you can see in the picture I have designed the main towers in a cross shape. That is to make the structure stronger and more stable preventing it from collapsing.



# BRACING

On my bridge I used different types of bracing which is used to strengthen the bridge and provide stability. I used bracing like there is on the Golden Gate bridge there is horizontal bracing at the top and cross bracing at the bottom.

The cross bracing is held on by hot glue and the horizontal bracing is held on by duck tape and glue.





# CABLE

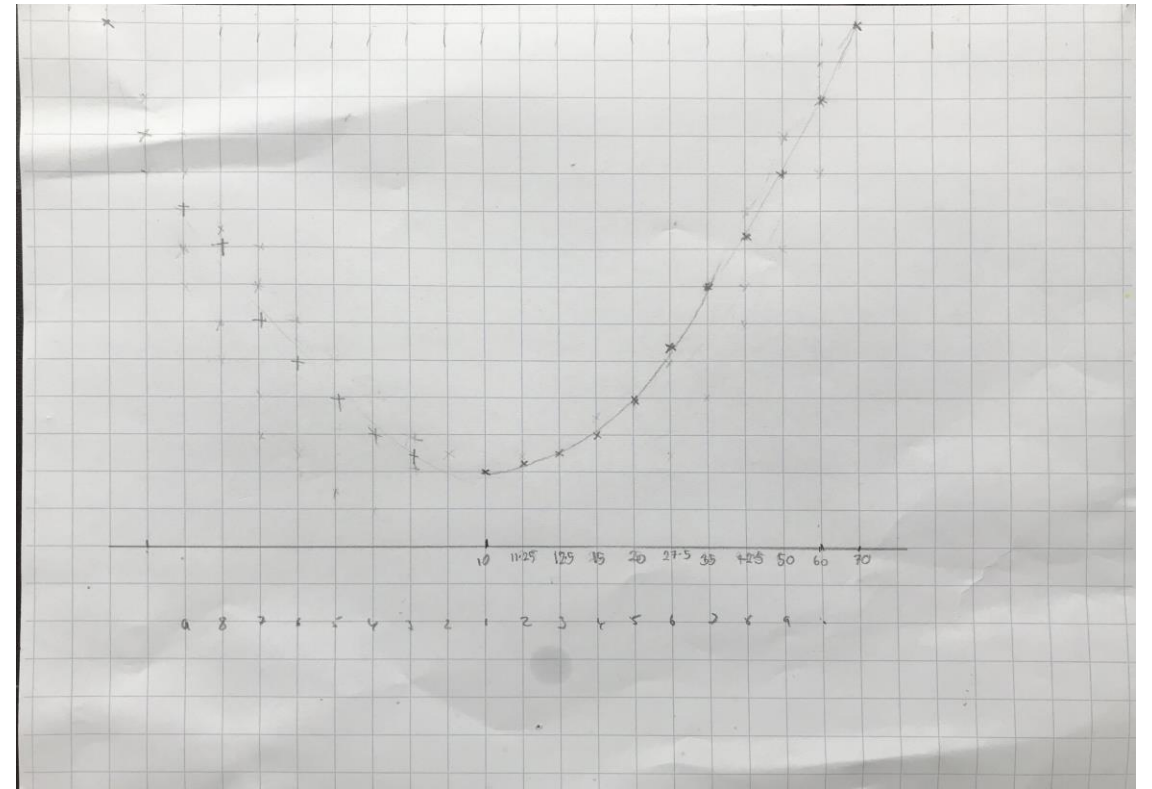
Like the Golden Gate Bridge mine has cables to support the bridge deck.

The cables on my bridge are made out of string, tape and lollipop sticks. The lollipop sticks are under the bridge to make sure that the string does not fall through the holes that we drilled into the bridge



# MY CABLE PLAN

- This is my plan for the cable. I did a plan to find out how long each piece of string needed to be.
- I drew my plan on squared paper because then it would be more accurate.



# MY BRIDGE

- This is my finished bridge. The materials I used to build my bridge are:
- Cardboard
- String
- Duck tape
- Hot glue
- Lollipop sticks
- Pencil
- Ruler
- Drill
- Stanley Knife

