

Butterflies Class STEM week

What is an engineer?

Can I build a bridge and drive a car
over it?

What is a good material to build a bridge?

metal?

Wood?

Glass?

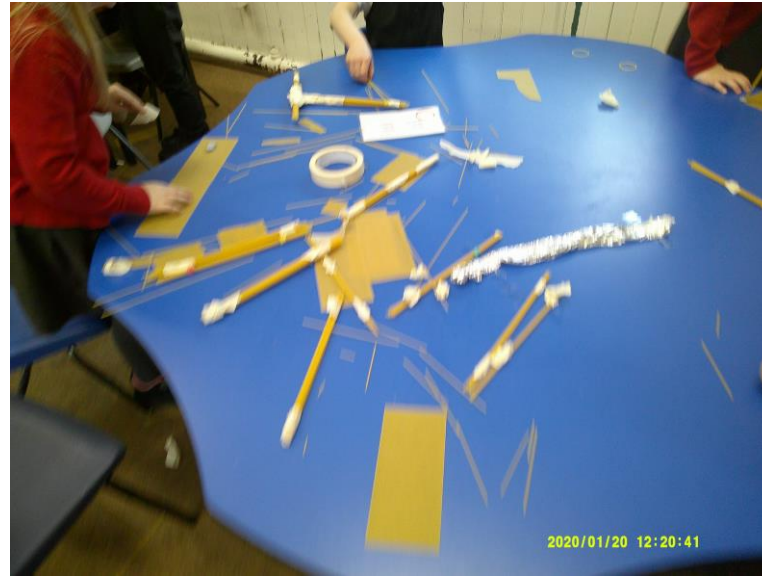
pasta?

After watching a video on building a bridge with pasta, we tried it...
The cleaner was not impressed!



Where do we start?

We remembered that triangles are very strong and good for building bridges! Lets try them.



Making our spaghetti stronger by putting lots together and taping them up.

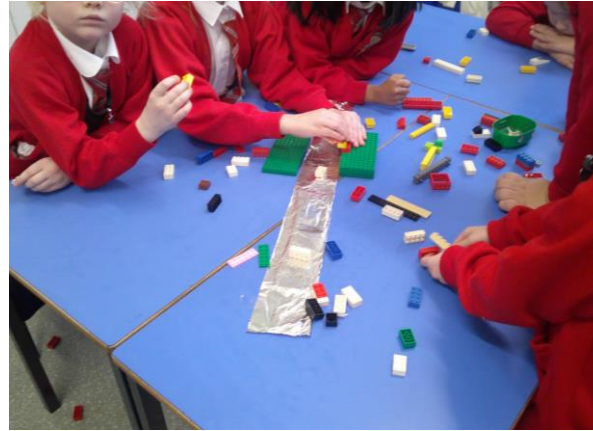


Triangles are a very strong shape for bridges. Let's try and build one.

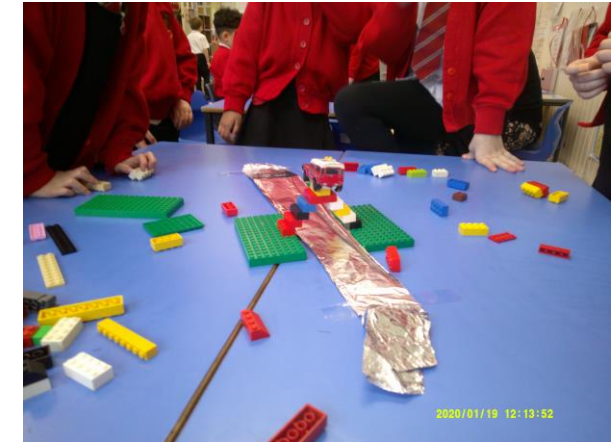
We built triangles
and managed to
build a bridge!



LEGO
We found this far
easier as the
bricks stuck
together.



We used a lots of different methods to get a bridge and all groups managed it.



Paper

Was it possible to
build a bridge of
paper?
If there are
triangles, yes!

Here you can clearly see the
triangle strength at work.



Would wood be
good?

The class thought it would be as
we learnt in our materials lesson
it was hard, tough and could be
shaped. They were right!



The background features several concentric circles in light gray, some solid and some dashed, creating a ripple effect. A large red speech bubble is centered on the page, containing white text. The speech bubble has a rectangular body and a triangular tail pointing downwards.

Butterflies Class really enjoyed
STEM week. Some of them think
they may want to be engineers!