

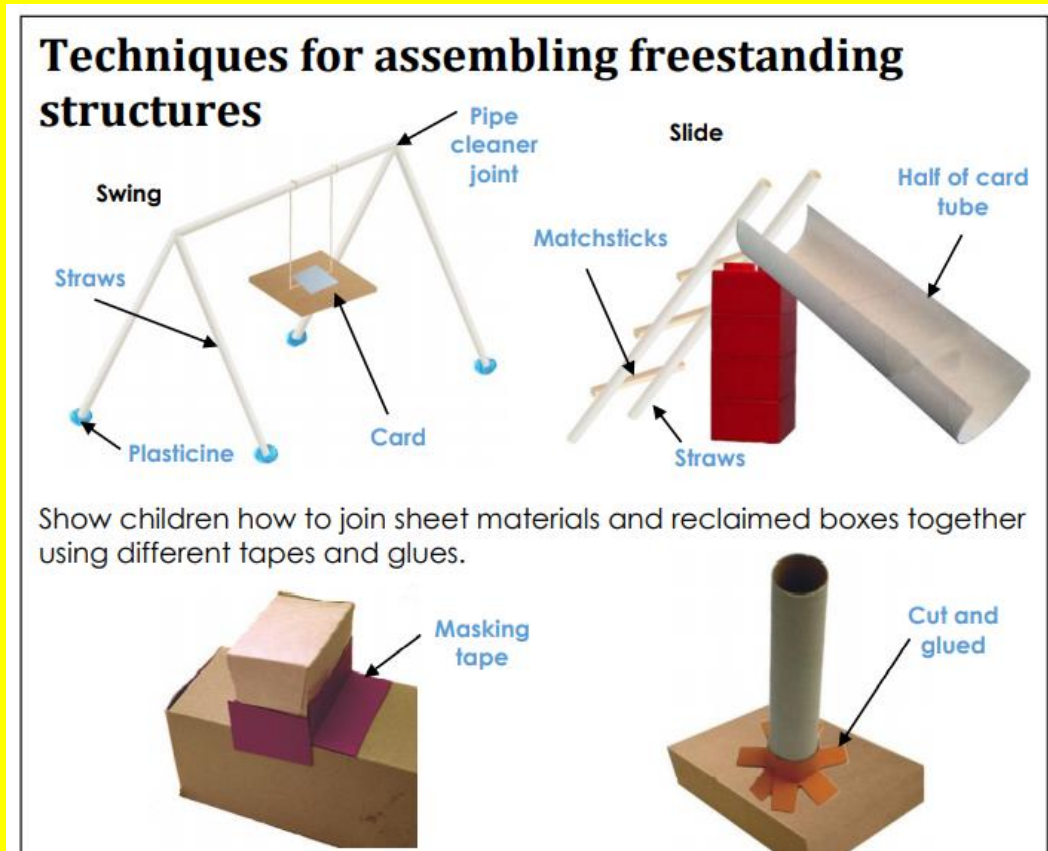
Developing our
construction skills

Last week you had brilliant ideas about why you thought the structures you found were strong and free standing. Today we are going to develop our building skills and test these methods.

The main aim is to
make our
structures stand
without us holding
them up!

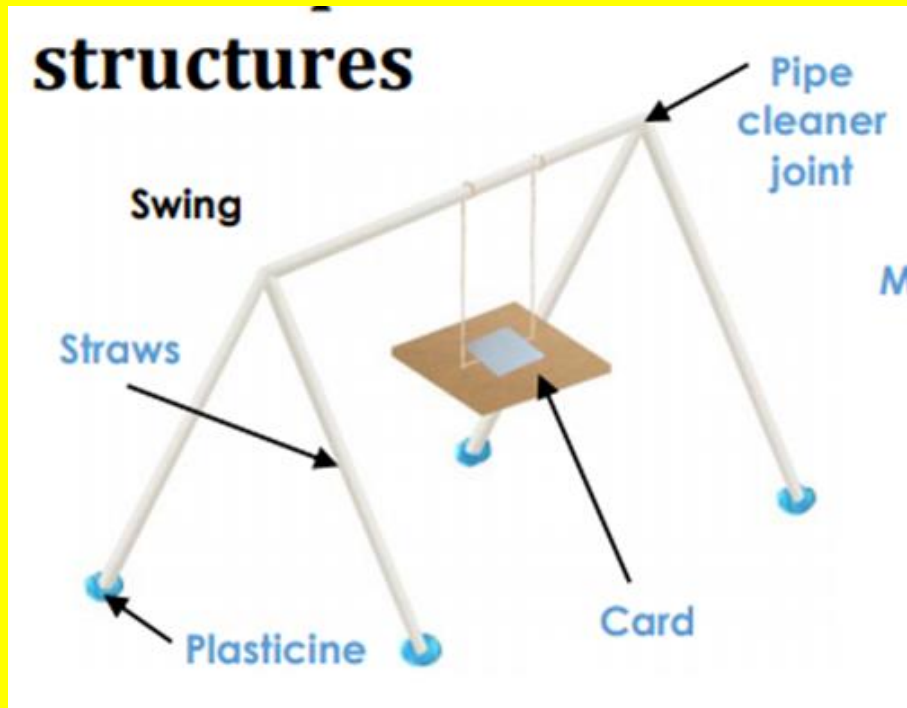
Choose 2 models from the next slides to recreate.
The models use different methods to make them stand . use these methods to make 2 structures.
Then we are going to compare the methods!
Compare means to see which one is better and which one is worse and why!

Junk Modelling models! See next slides and choose which 2 you will build out of the 5 possible options.



(If you do not have any of the resources then use whatever you have, it doesn't make a difference)

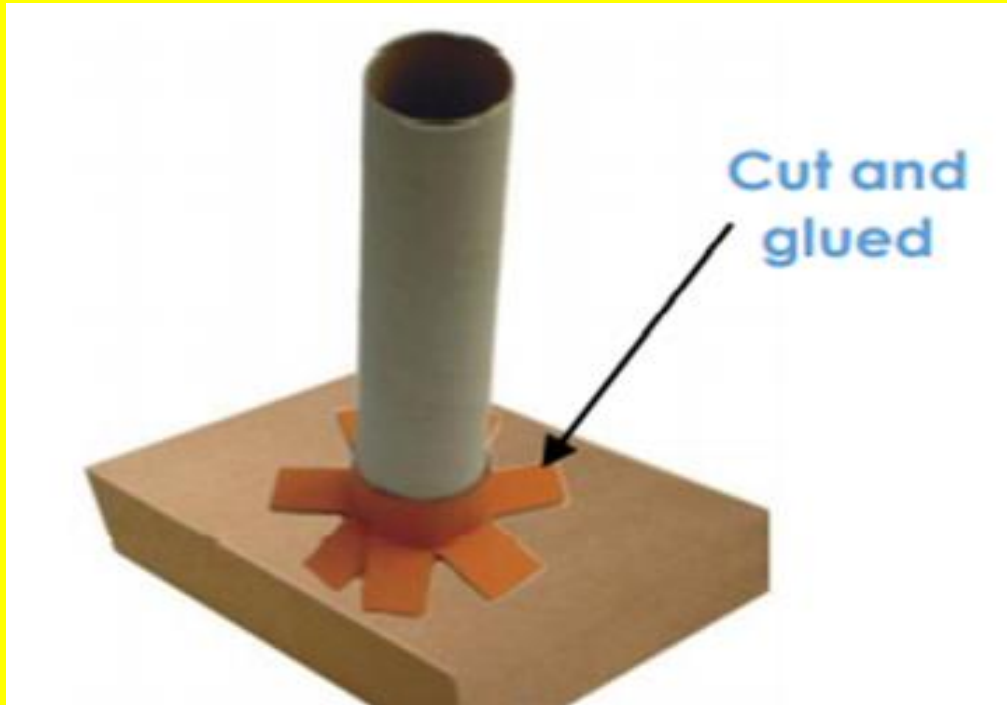
Model 1



- Method: 4 legs holding up the structure.
- Resources:
- Straws
 - Card
 - Pipe cleaner
 - String
 - Plasticine, play dough blue tac
(If you do not have any of the resources then use whatever you have, it doesn't make a difference)

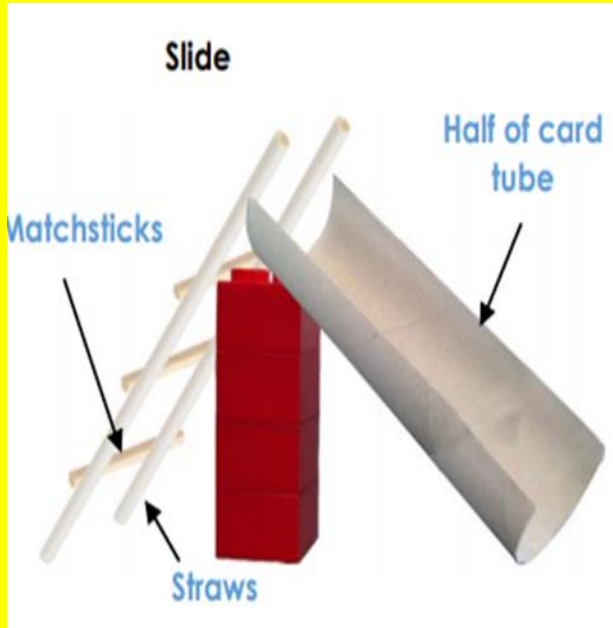
Model 2

Method 2: Cutting slits into card to make a base.



Resources:
cardboard tube
scissors
glue
cardboard base.

Model 3

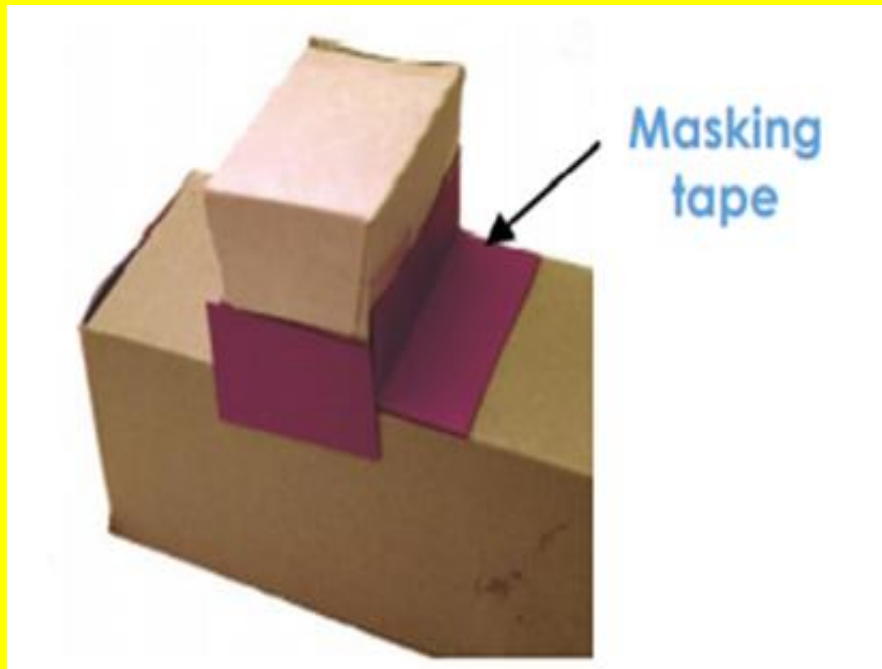


Method 3: Using lego blocks as resting support

Resources:

- Cardboard tube
- Lego blocks
- Straws/matchsticks

Model 4



Method 4: Using masking tape to join materials together.

Resources:

- Cardboard boxes
- Masking tape or any other tape you have

Model 5

Are there any other methods you could use to make a free standing model you might choose to make?

Now you should have chosen 2 models to build, it is time to build!

Have fun!

I would love to see any photos of your models that you have!

Now we are going to compare the methods.

L.O: I can compare methods for building free-standing structures.

Model 1: I chose method _____

Did it stand on its own?

Did it stand on its own for very long?

Was it easy or difficult to make?

Did you enjoy making this model?

Would you do anything differently next time, if so what?

Model 2: I chose method _____

Did it stand on its own?

Did it stand on its own for very long?

Was it easy or difficult to make?

Did you enjoy making this model?

Would you do anything differently next time, if so what?

Which model was better for a free-standing structure and why?

This is the worksheet to complete after making your models. This will allow us to compare which method was better!
(Please find the worksheet on the school website).