



The Project Title

Design, make and evaluate furniture for the three bears for role play.

What should I already know?

- I have used construction kits.
- I have used tools such as scissors, hole punches, plastic and card.
- I have joined card and paper.

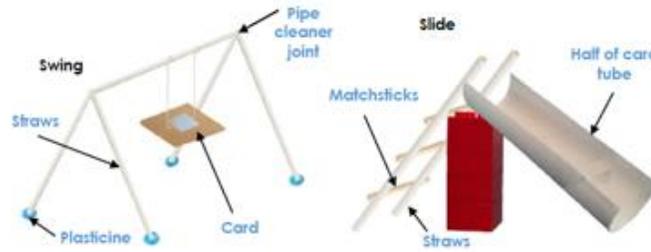
Powerful Knowledge

- Communicate ideas through talking and drawings.
- Select tools and explain choice of tools.
- Investigate freestanding structures.
- Explore how to make freestanding structures stronger, stiffer and more stable.
- Evaluate the product.

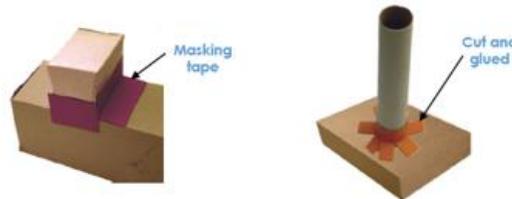
Useful Diagrams

Techniques for making freestanding structures:

Using straws, pipe cleaners and card:

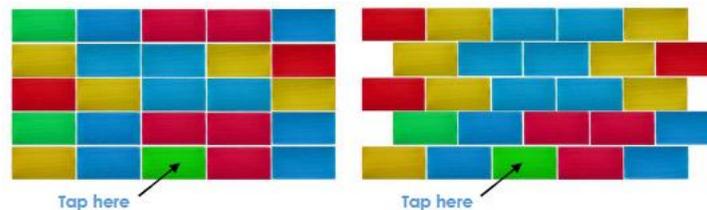


Using card, tape and glue:



Testing the stability

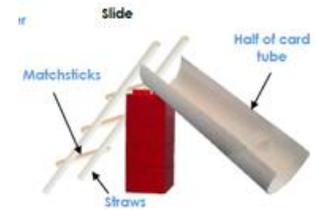
Build a wall with these two patterns. Tap away the centre brick. What happens? Which wall is the strongest?



Vocabulary

Free standing structure

A structure that stands on its own without attachment to anything else.



stable

In a steady position.



strong

Great power and stability.



weak

Not much strength, power or stability.

