

Cardboard Engineering

Product Design Y1

Summer Induction Task

1. Set up a Pinterest account
2. Create a board titled: **Cardboard Engineering**
3. Find an example of 10 cardboard engineering techniques
4. Collect 10 pins of examples of products that have been created out of cardboard.



Cardboard Engineering Techniques

You will need to memorise the names of each technique as you will use them throughout your time on the course.

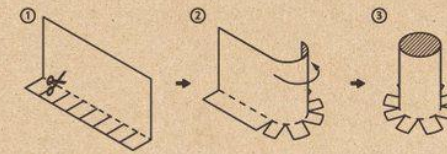
Can you imagine a Doctor forgetting the name of a body part?

You will be tested on your memory skills!

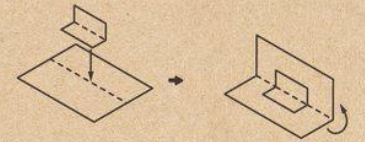
Strawbees.

CARDBOARD TIPS & TRICKS

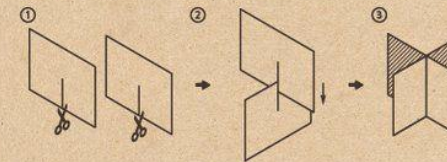
FLANGE



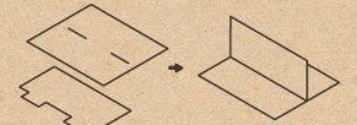
HINGE



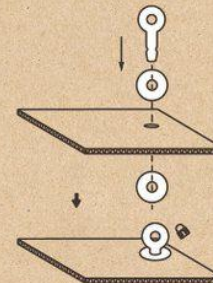
SLOT



SLOT & TABS

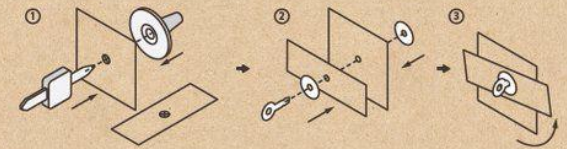


CONNECTING TO CARDBOARD

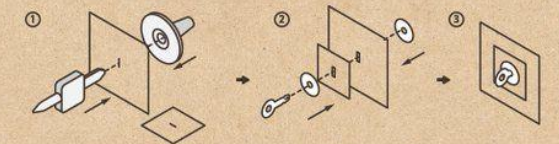


JOINTS

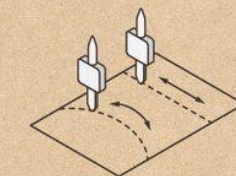
ROTATING JOINT



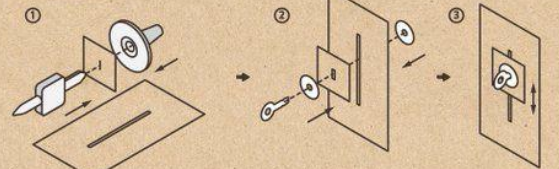
LOCKED JOINT



SCORING CARDBOARD



SLIDING JOINT



Tools/ Equipment Required

Craft Knife

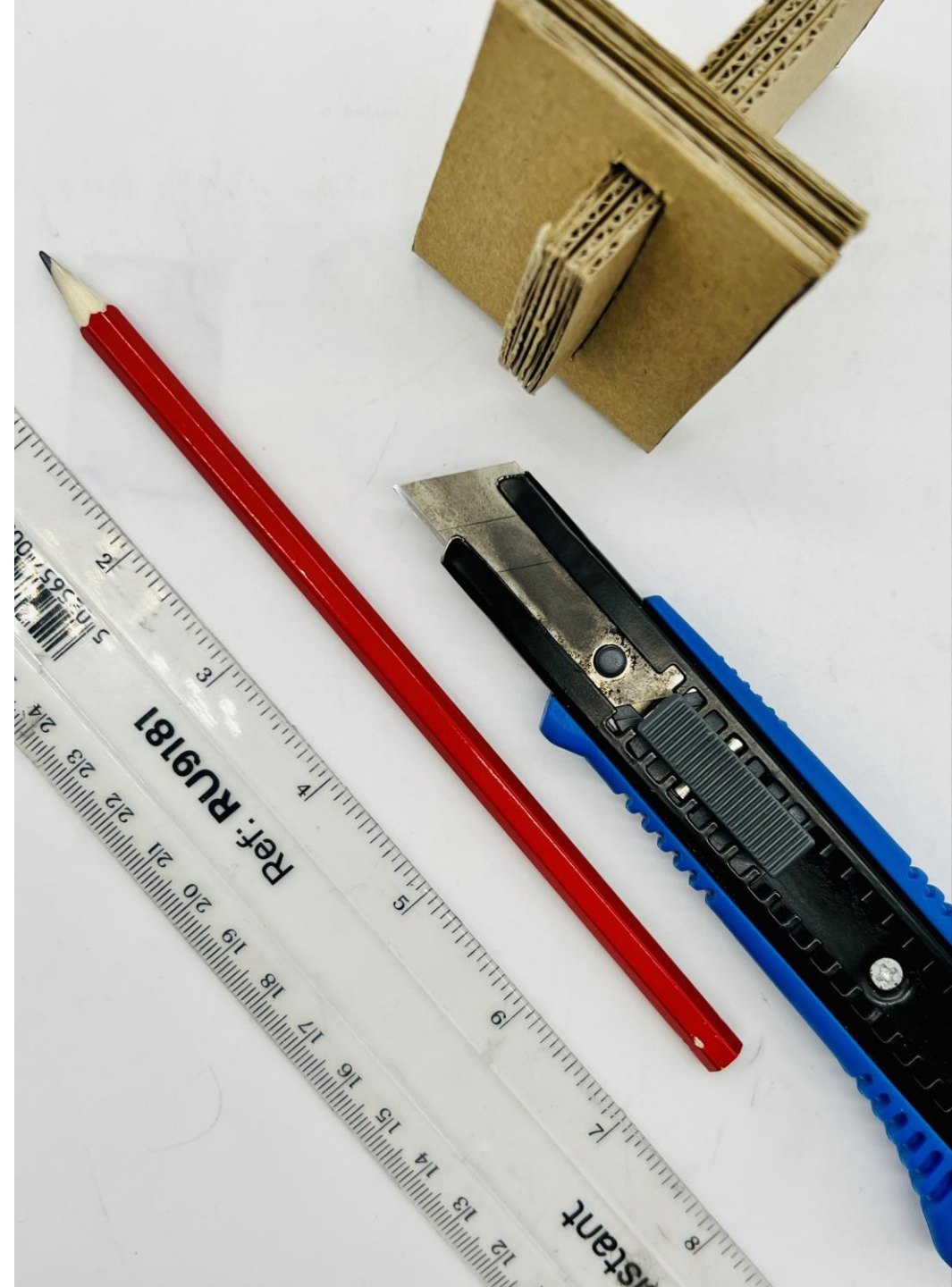
Corrugated cardboard – delivery boxes are suitable

Ruler

Pencil

Disclaimer: You are not permitted to bring a craft knife to College. We provide them on site however you will need one to complete this task at home.

Do not travel with a knife.



Task 1: Experiments

1. Your task is to create 5 examples of cardboard engineering techniques. This can be any from the example on slide 3.
2. Find a plain white background, this can be a wall, sheet of material or paper and photography each of your 5 examples.

Specifications

- You must use cardboard – this can be cardboard from an amazon delivery
- Scale/ Size of your experiments must be no larger than 15cm in height and width



Induction: Lesson 1

Working in pairs you will create a high-quality version of the cardboard engineering techniques you researched during the Summer.

You will need to pay particular attention to the quality of your cutting, measuring and overall accuracy of the dimensions.

