

Copy and complete the images on the left.  
 You cannot use a ruler.  
 The last shape on each row is for your own repetitive design.  
 For the fourth exercise, create your own repetitive pattern.

Glass		Block partitions	
Wood		Brickwork	
Stone		Marble	
Cement		Metal	
Concrete		Water	

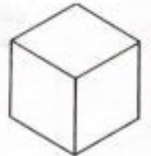
7G3.4 – Texture

When we draw things in 3D we can make them look more realistic by adding Texture.

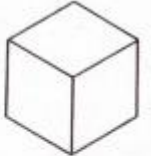
Watch the teacher's demonstration.

Light always comes from the LEFT; the top of the shape will be the lightest.

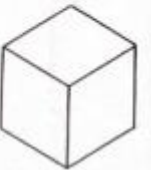
1. Wood



2. Shiny Metal or Plastic



3. Stone.



Sketching in 2D Two Dimensions.

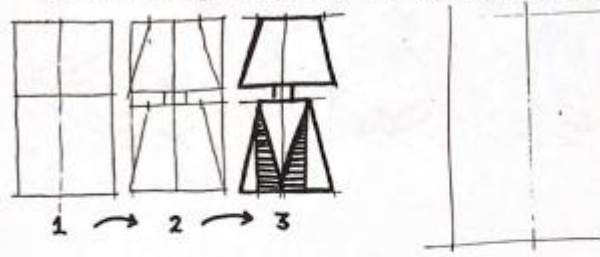
A **sketch** is a quick rough drawing of an idea or picture. Sketching is very **important** in design technology and graphics we use it to show an **idea**.

2D means drawing just one side of an object.

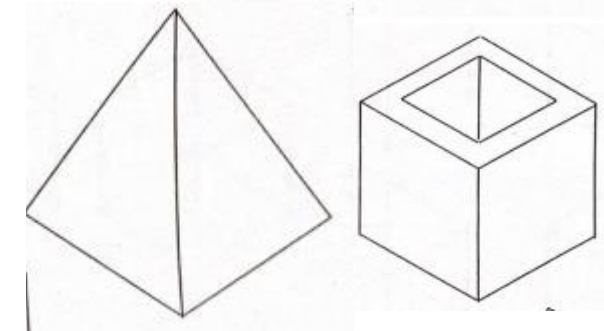
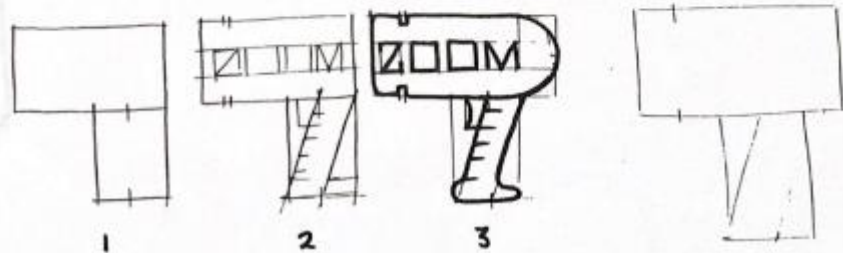
**HOW TO SKETCH** – drawing a shape.

1. Draw a box about the same size as you want your drawing.
2. Sketch roughly where you think things are. Use lines and boxes.
3. Sketch in any curved edges.
4. Draw in darker the lines and curves you want.

Here are the rough lines for a Lamp see if you can draw one.



Here are the rough lines for a hair-dryer.



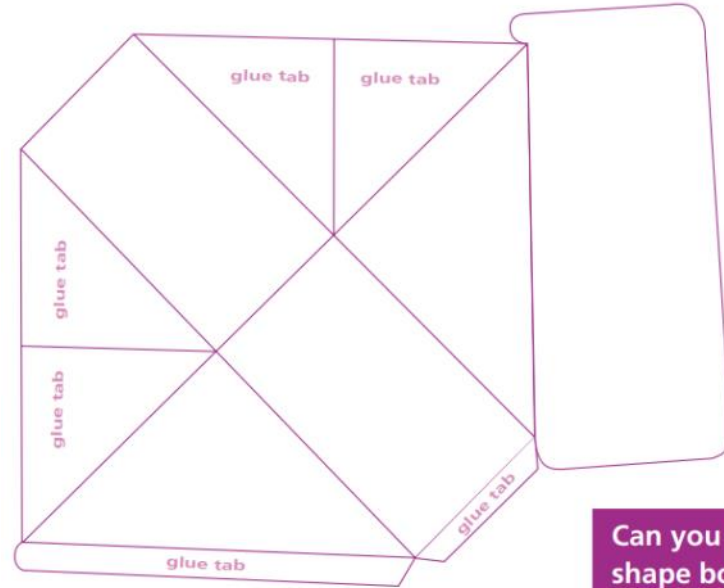
Using the texture table, sketch and render the pyramid and block.

Look at these nets. Do you know what 3-D shapes they make?

BACK NEXT

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Much of our food and drink is **packaged** in boxes



Most **boxes** are cut from a single flat piece of card.

Look carefully at the **design provided**. It is a mini version of the real thing.

Imagine cutting it out and folding it up.

Can you predict what shape box it will make?

food and drink

**One chocolate** is nice... but **four** are nicer



This net for a **box** is designed to contain one **single chocolate**.



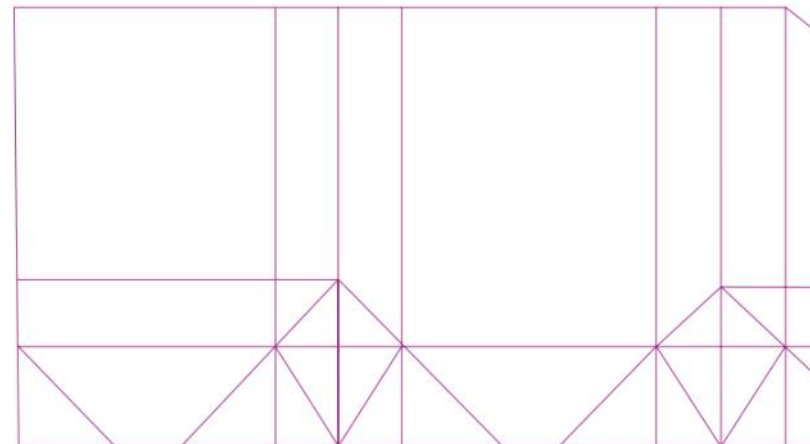
Now design a box that will hold 4 of these chocolates

You can draw your design on paper or on a drawing app on your iPad.

food and drink

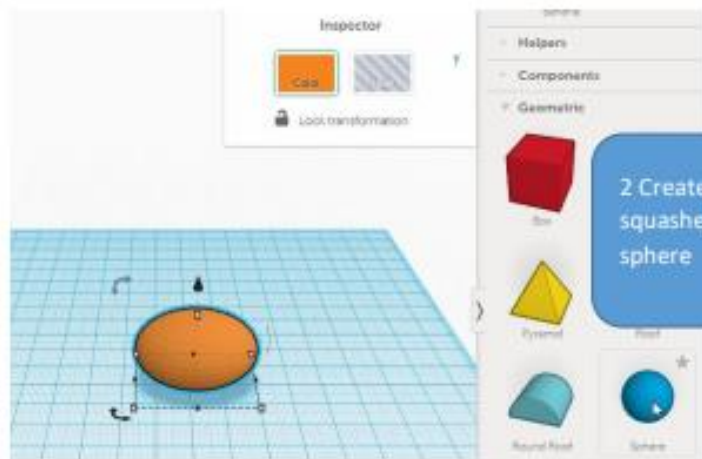
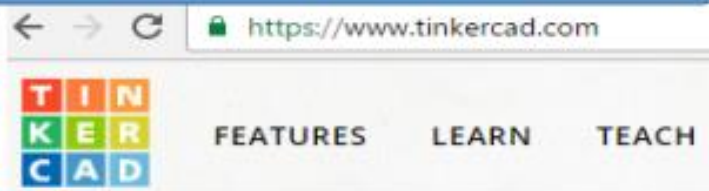
Sketch a 3d Isometric image of what the box above would look like. If the box above was going to hold a number of chocolates, Design the graphics for it.

Design a **carrier bag** to carry a fancy **box of biscuits**.

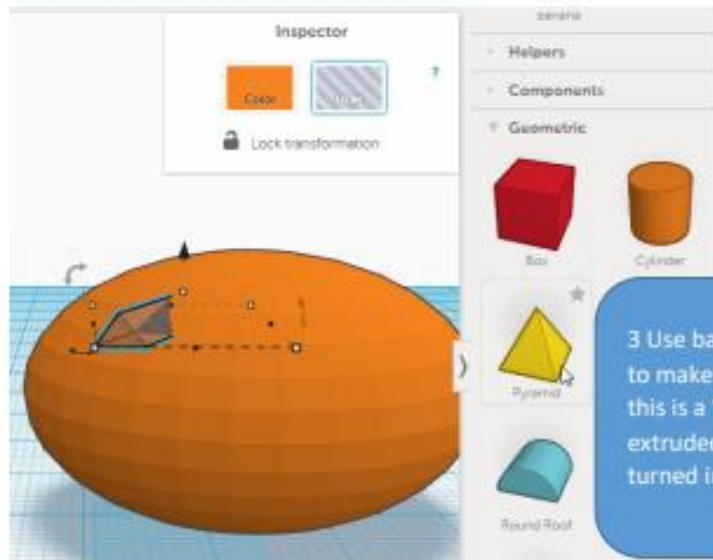


food and drink

1 Register for an account and create a new object.



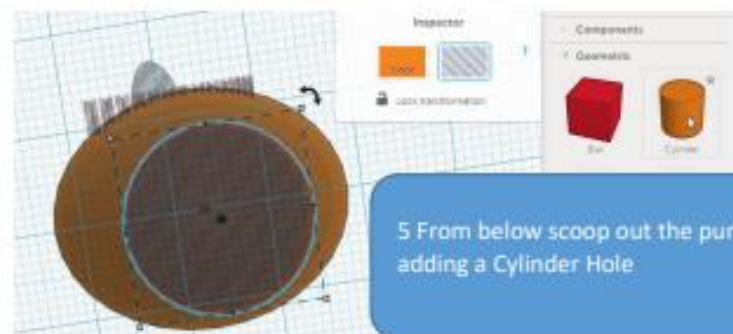
2 Create a squashed sphere



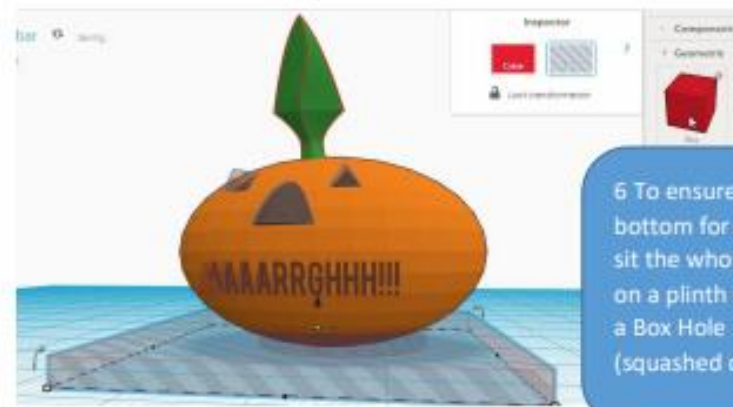
3 Use basic shapes to make the eyes – this is a "Wedge" extruded and turned into a "Hole"



4 Complete the face and accessorise (plus headwear)



5 From below scoop out the pumpkin by adding a Cylinder Hole



6 To ensure a flat bottom for printing sit the whole thing on a plinth made of a Box Hole (squashed cube)