



Saint Joseph's
CATHOLIC SCHOOL

Design and Technology Department

Y7 Just For Fun Booklet

Just for fun!

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Food

Just for fun!

Coleslaw

Ingredients

½ firm white cabbage
1 onion
2 carrots
3tbsp mayonnaise
1tsp curry powder (optional)
A few fat sultanas (optional)



Method

1. Peel the onion and carrot
2. Place cabbage in food processor and whizz
3. Add the carrot and onion and whizz
4. Turn out into a clean glass bowl (onion makes plastic stink!)
5. Add mayonnaise and curry powder and mix all together
6. Taste and adjust seasoning
7. Keep chilled until ready to use.



Food

Just for fun!

Chocolate & Pear Cake

Ingredients

100g caster sugar
100g soft margarine
2 eggs
100g self raising flour
1 pear
1tbsp cocoa powder



Method

1. Preheat the oven to 180°C or gas mark 4.
2. Grease and/or line a cake tin.
3. Cream the sugar and margarine together, ideally using an electric hand whisk, until light and fluffy.
4. In a small bowl, beat the eggs with a fork.
5. Add the beaten egg, a little at a time, to the margarine and sugar.
6. Sieve the flour and baking powder into a bowl, or onto a plate or piece of greaseproof paper.
7. Fold the flour and baking powder into the mixture, a spoonful at a time.
8. Spread the mixture in the cake tin.
9. Core the pear and slice thinly.
10. Arrange the pear slices over the cake mix, and then sprinkle the cinnamon and sugar on top.
11. Place in the oven and bake for around 20 minutes, until golden brown and springy to the touch.
12. Remove from the oven and allow to cool.



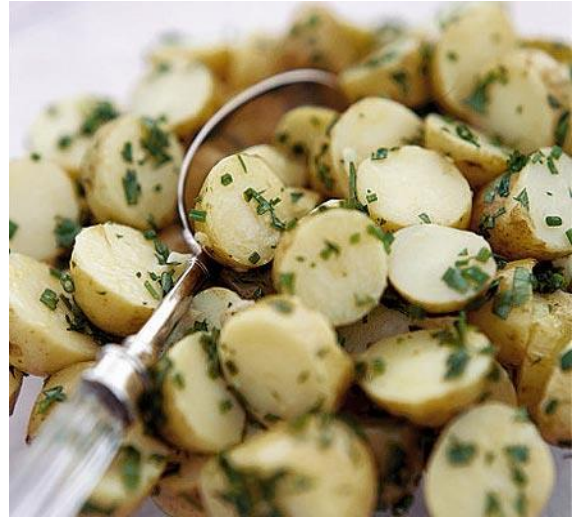
Food

Just for fun!

Fabulous Potato Salad

Ingredients

A small bag of jersey royal new potatoes
1 red onion
3 firm tomatoes
1 red pepper
A good hand full of parsley
French dressing



Method

1. Put the potatoes on to boil, they will be done when you can stick a knife in, don't over cook them
2. Chop pepper finely
3. Chop tomatoes into slithers remove seeds
4. Chop parsley
5. Peel and chop red onion
6. Place all vegetables into a bowl
7. Add the potatoes when they have cooled slightly
8. Drizzle over a tablespoon of French dressing
9. Serve just warm.



Food

Just for fun!

Fruit Muffins

Ingredients

150g self-raising flour
50g caster sugar
1 egg
75ml milk
75ml vegetable oil (sunflower or similar)
50 -75g fresh fruit or frozen fruit are good as they defrost when cooked leaving the fruit whole yum!



Method

1. Put the oven on at 180oc
2. In a large bowl put the flour and the sugar
3. Add the fruit
4. In a measuring jug, measure out the oil and the milk, add the egg, beat with a fork
5. Pour the milk mixture on to the dry ingredients
6. Stir very carefully with a plastic spoon
7. The mixture will look like a lumpy batter!
8. Put six muffin cases in to a muffin tin
9. Spoon 1tbsp of mixture into each muffin case
10. Cook until lightly brown and spring back when touched about 15 -20 minsw

Hot tips for interesting flavours;

- **Lemon and poppy seeds (add the rind and juice of 1 lemon)**
- **Crush or chop finely a banana add with 1tsp of cocoa powder**
- **Grate an apple and add with a little cinnamon**
- **A few raspberries with chopped white chocolate**



Food

Just for fun!

Falafels

Ingredients

400g tin of mixed beans
400g tin of chickpeas
1 lemon
1 tablespoon harissa
1 heaped teaspoon allspice
1 heaped tablespoon plain flour
1 bunch fresh coriander
olive oil



Method

1. Drain the beans and chickpeas and put them into the processor
2. Finely grate in the lemon zest, then add a pinch of salt and pepper, the harissa, allspice, flour and coriander stalks (reserving the leaves)
3. Blitz until smooth, scraping down the sides of the processor if needed
4. Scrape out the mixture and use clean, wet hands to quickly divide and shape it into 8 patties about 1.5cm thick
5. Put 1 tablespoon of oil into the frying pan and add the falafels, turning when golden and crisp

Why not try them wrapped in a tortilla with salad and a tomato salsa for a tasty lunchtime snack.



Textiles
Just for fun!

SOCK MONKEY



You will need:

A sock

2 buttons

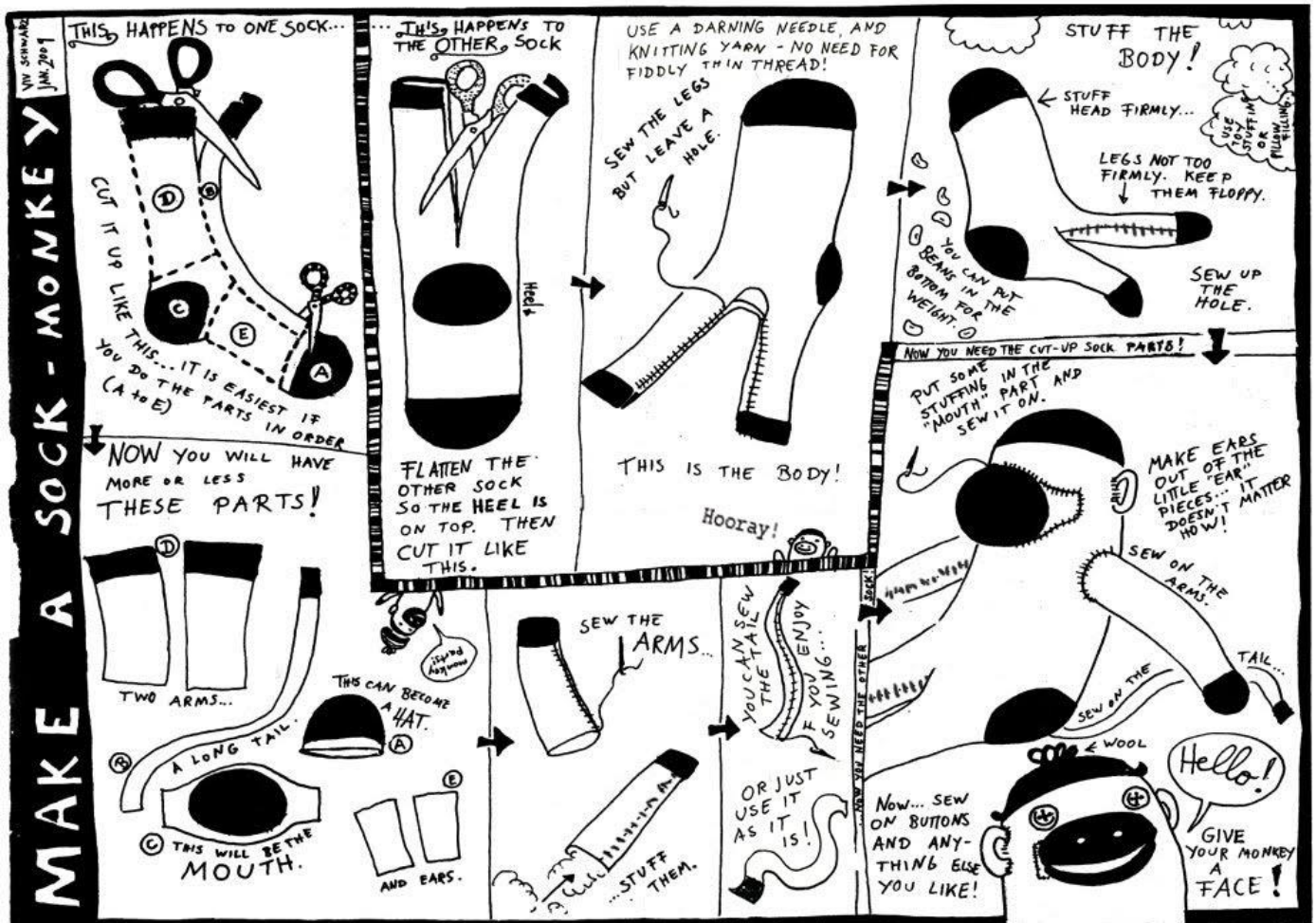
Needle

Stuffing

Sewing Thread

Embroidery Thread

Fabric Shears

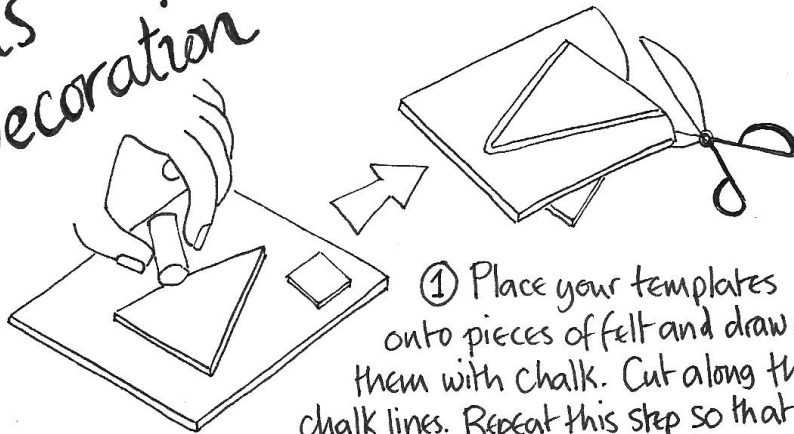


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Textiles

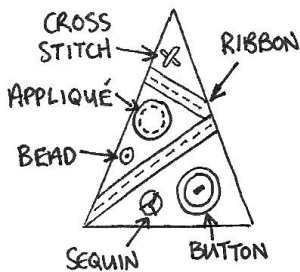
Just for fun!

Christmas Tree Decoration



① Place your templates onto pieces of felt and draw around them with chalk. Cut along the chalk lines. Repeat this step so that you end up with 2 triangle and 2 square felt shapes.

② Decorate each triangle separately.



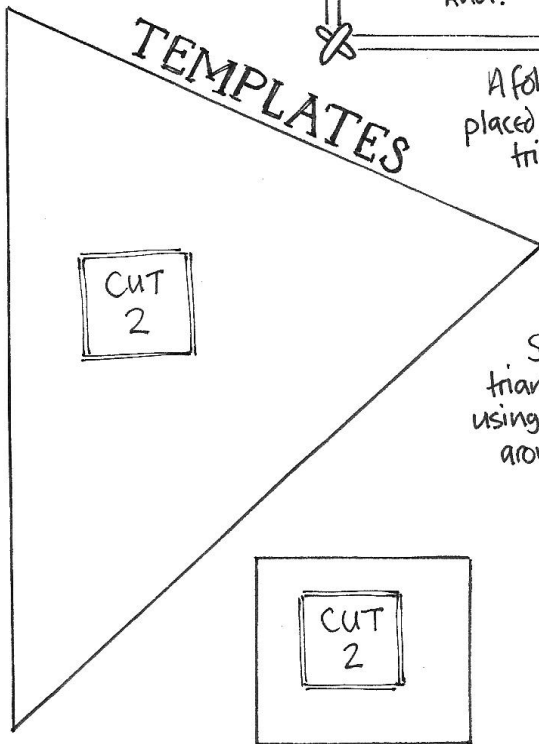
BEADS
Secure your beads with a double knot at the back of the fabric.

SEQUINS
Stitch a sequin 3 times as shown.

BUTTONS
Sew through your button and secure with a double knot.

CROSS STITCH

APPLIQUE & RIBBONS
Attach ribbon and applique using a running stitch.



A folded piece of ribbon placed between the two triangles.

Leave a gap to stuff your decoration. Once stuffed, sew up the gap.

Sew the two triangles together using a running stitch around the outside.

Start your stitching halfway along one of the longer edges.

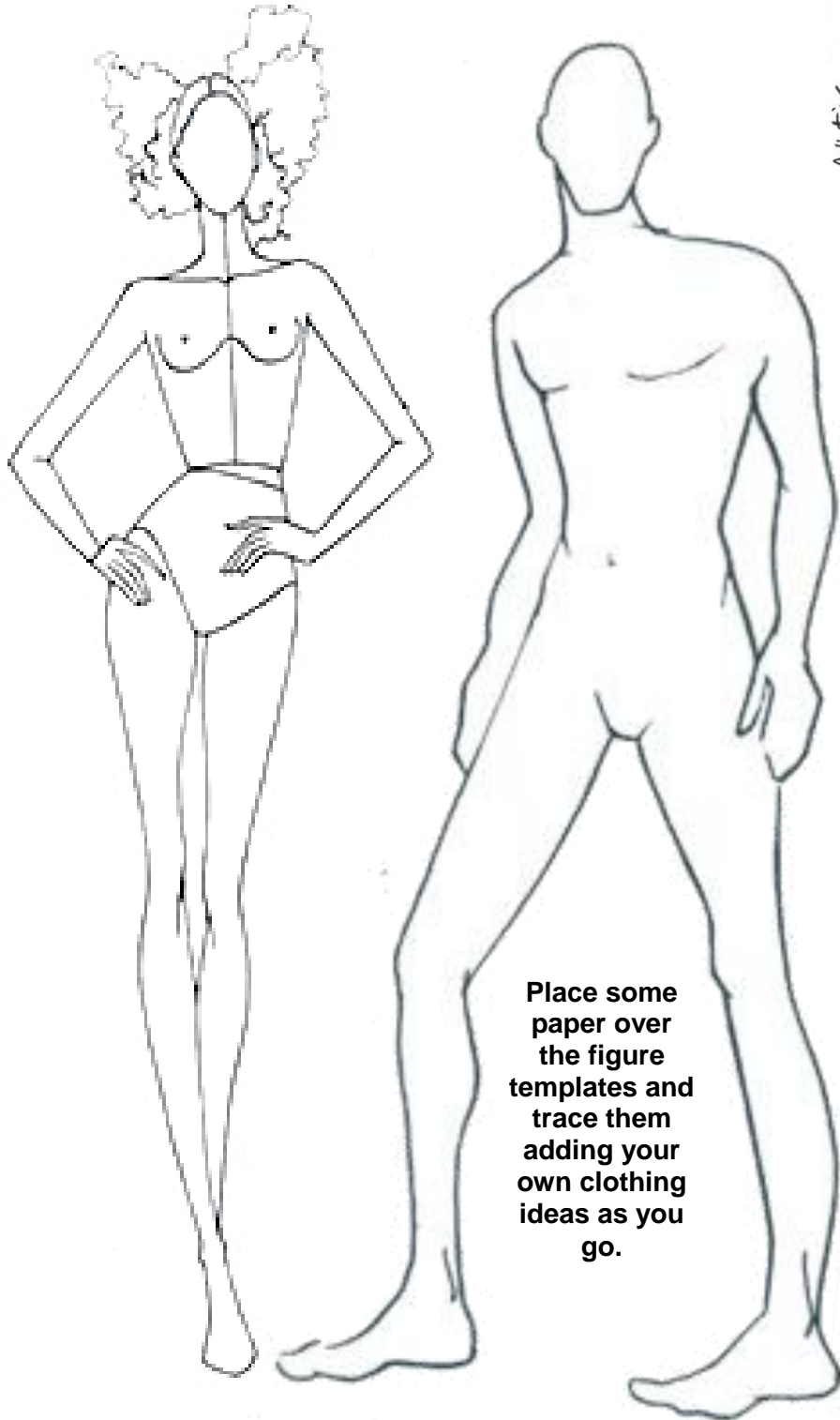
③

Place the two felt squares between the two triangles.



Textiles Just for fun!

FASHION ILLUSTRATION




Place some paper over the figure templates and trace them adding your own clothing ideas as you go.



Textiles

Just for fun!

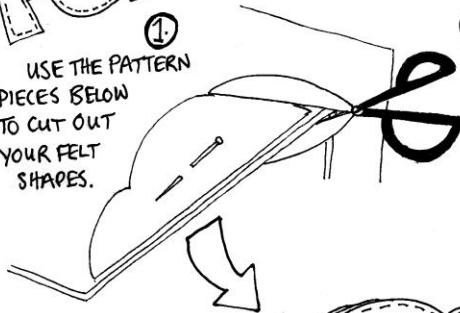


Make a Felt Mouse

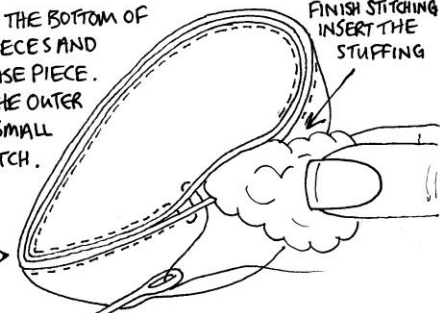
YOU WILL NEED:
SCISSORS • FELT • STUFFING • NEEDLE • THREAD



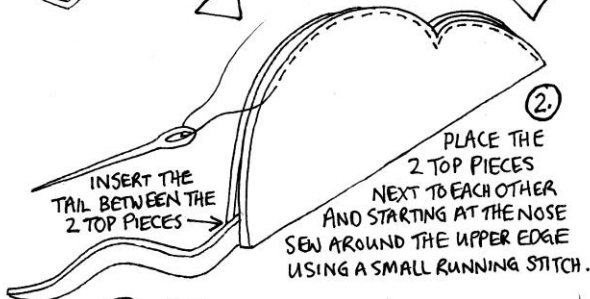
① USE THE PATTERN PIECES BELOW TO CUT OUT YOUR FELT SHAPES.



③ SEPERATE THE BOTTOM OF THE 2 TOP PIECES AND INSERT THE BASE PIECE. SEW AROUND THE OUTER EDGE USING A SMALL RUNNING STITCH.



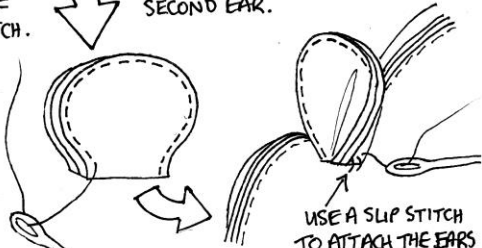
BEFORE YOU FINISH STITCHING INSERT THE STUFFING



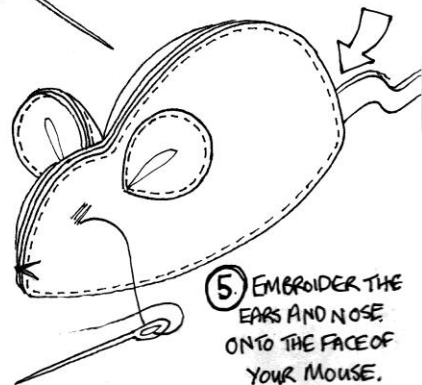
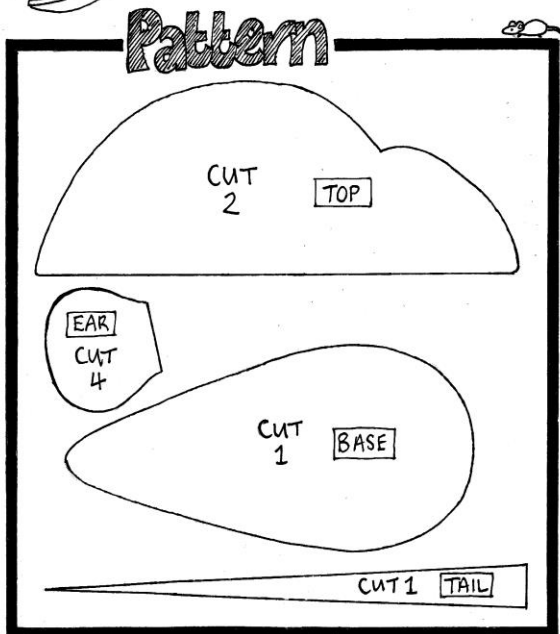
INSERT THE TAIL BETWEEN THE 2 TOP PIECES

② PLACE THE 2 TOP PIECES NEXT TO EACH OTHER AND STARTING AT THE NOSE SEW AROUND THE UPPER EDGE USING A SMALL RUNNING STITCH.

④ PLACE 2 OF THE EAR PIECES NEXT TO EACH OTHER AND STITCH THEM TOGETHER AROUND THE OUTER EDGE USING A RUNNING STITCH. FOLD THE BASE OF THE EAR AND STITCH IT ONTO THE BODY. REPEAT THIS PROCESS FOR THE SECOND EAR.



USE A SLIP STITCH TO ATTACH THE EARS.



⑤ EMBROIDER THE EARS AND NOSE ONTO THE FACE OF YOUR MOUSE.



Graphics Just for fun!

Cheating Calligraphy

I call it “cheating” ... but it’s not, really! Sometimes you have to use this technique to write on irregular surfaces, and sometimes you just don’t want to deal with the mess of getting out all your calligraphy supplies. Whether you’re a novice or an expert, an understanding of cheating calligraphy will come in handy!

To create cheating calligraphy, write out your phrase in simple cursive. Here, I am using a Pilot G2 pen. No worries if you aren’t writing like the sample below — just use the best cursive you can! This technique works with virtually any connected letters.



*anyone
can create
calligraphy*

After you have written using your simple cursive, you’ll need to draw lines to denote the downstrokes. A downstroke occurs when your hand moves downward to create part of a letter. With the “a”, for example, that first curve down on the left is a downstroke, then you swoop up to the right, and down again for the right leg of the “a”.

*anyone
can create
calligraphy*

Once you’ve gone over your letters again with those lines, fill them in, as I have below:

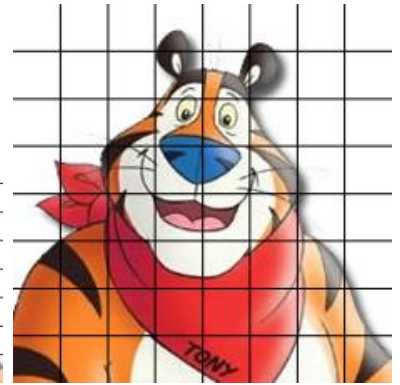
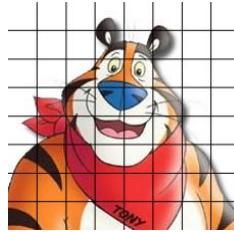
*anyone
can create
calligraphy*



Graphics Just for fun!

Scale Drawing

Use the grid below to enlarge one of the pictures provided so that is twice the size. Copy one square at a time.



Graphics

Just for fun!

ONE POINT PERSPECTIVE: This guide helps you to move from drawing simple blocks to creating more complex forms, by stacking, cutting holes and adding unusual angles.

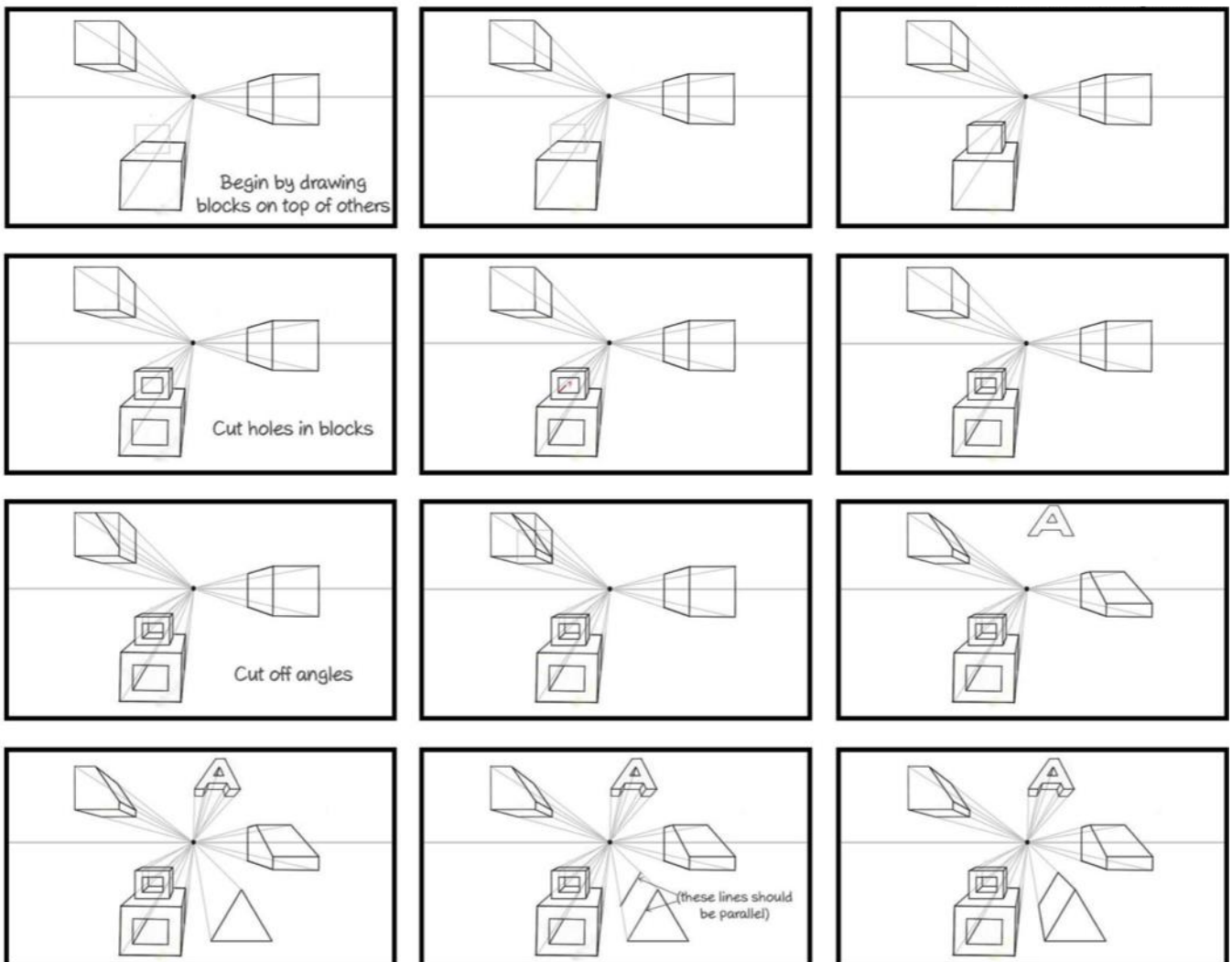
Begin by drawing a series of blocks in one point perspective, above and below the vanishing point.

Draw other blocks sitting on top or besides these blocks

Draw rectangular holes cutting through some of the blocks. Remember you may need to draw construction lines to find where the back edge of the hole will be.

Slice off different edges of the blocks on unusual angles.

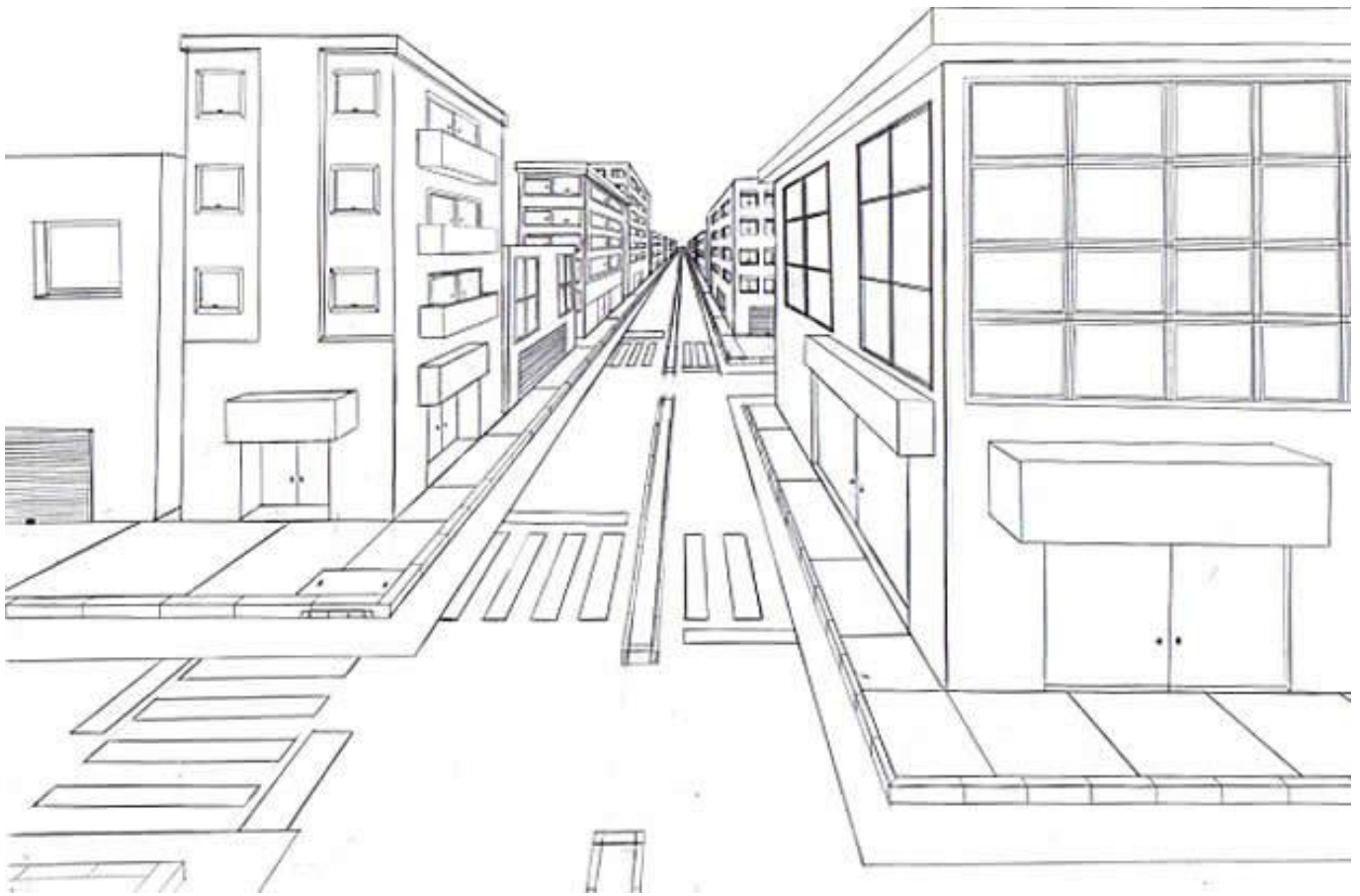
In the gaps around the block, add more complicated forms, such as letters and triangular shaped blocks.



Graphics

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Copy the images below, or if you are feeling really brave, have a go at writing your name or creating your own street scene using one point perspective.



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Product Design

Just for fun!



The chipmunks and squirrels have been very busy around our home and they have been leaving behind the most lovely broken nutshells, perfect for making these little sail boats. They are simple and fun to make and really do float so nicely along the cool water.

* * * * *

You will need :
One half of a nut
A tooth pick
Some pretty paper
A pair of scissors
Glue
A candle and a match.

1. First, cut the paper in the shape of a sail (a little triangle)
2. Put a bit of glue on one side of the toothpick (the length of the sail) and press the paper onto it gently
3. Depending on the size of the nut you are using trim off a bit of the tooth pick so the sail is not too tall!
4. Now light your candle and by tilting it slightly let some of the wax drop into the nutshell. Fill it up as much as possible so the toothpick will have a lot of support. Make sure that you are supervised by an adult for this step.
5. Let the wax cool slightly and when it has set a bit push the toothpick into it to create the finished sail.

* * * * *

And there you have it! Happy sailing! Try racing your friends.



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Product Design

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CHALLENGE

09 COTTON REEL TANK



THE BRIEF

BUILD A TANK OUT OF A COTTON REEL.

MATERIALS

A cotton reel, a long white candle, an elastic band, sticky tape, 2 match sticks.



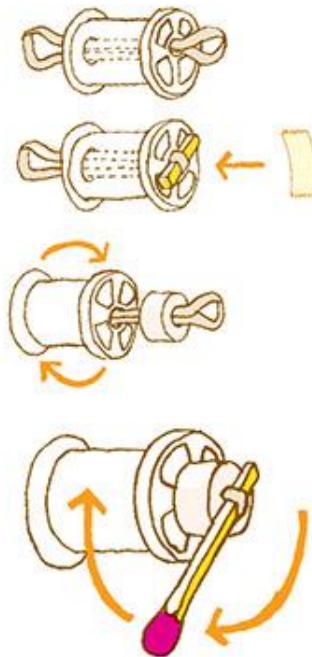
THE METHOD

Thread the rubber band through the cotton reel.

Break one match stick in half. Tie one end of the rubber band around the half match stick and secure it to the end of the cotton reel using sticky tape.

Cut an inch off the candle off and use a pencil to make a hole in the middle of it. Thread this onto the other end of the rubber band. Place the other match through the loop of the band.

Wind up the match to create tension. Place it on the floor and let it go.



DESIGN ICONS



In a car, potential energy exists in the form of liquid gasoline. It is converted into kinetic energy as the fuel is ignited in the engine's combustion chamber.

HOW DOES IT WORK?

Winding up the elastic band creates potential energy. Once the band is released this stored energy converts into kinetic energy, causing the tank to move.

Challenge designed by:
Neil, electronics engineer at Dyson

Product Design

Just for fun!

You will need:

Coloured paper and/or an old magazine
Wooden frame or corrugated cardboard
Scissors
Sticky tape
Either a quilling tool or a toothpick
PVA glue or a hot glue gun
Poster or acrylic paint for the frame

Method:

1. If you are making your own frame started by cutting your frame out of the corrugated cardboard.
2. Paint your frame using either poster or acrylic paint.
3. Leave the frame to dry.
4. Using scissors cut the magazine and or coloured paper into 1cm strips.
5. Fold the strips in half lengthways.
6. Wrap the strips around the toothpick or quilling tool to start each roll. Once it is big enough to roll with just your fingers remove the tool.
7. To make larger rolls join the paper strips together using the sticky tape.
8. Secure the end of each roll with a small strip of sticky tape.
9. Create enough rolls of varying sizes to completely cover the frame.
10. To finish, stick the rolls to the frame using PVA or a hot glue gun. If you are using a hot glue gun make sure that you are supervised by an adult.



Product Design

Just for fun!

Stripy Plaster Candle Holders

Supplies:

Powder plaster,
Plastic container for mixing,
Silicone square mould/large ice cube tray
Tea lights
Acrylic paint and paintbrush
Metal or wooden spoon



How to make your own:

1. Scoop powdered plaster into a small container and mix with water according to directions.
2. Stir water and plaster mixture until you achieve desired consistency, which should be similar to pancake batter. *Plaster sets very quickly, so you will want to work fast.*
3. Pour mixture into square mould or gently scoop the mixture in with a spoon.
4. Wait 2-3 minutes for it to start to set up. While it's setting up, remove the candles from the metal shell they sit in. And place one in the top of each square. Then add coins or other small heavy objects to weigh it down, so it stays in place.
5. Set aside and allow the plaster to harden for at least one hour (dry time may vary).
6. Carefully remove the plaster cubes from the mould one at a time and let them finish air-drying for a full 24 hours.
7. Now that your cubes are completely dry, you can seal them with matte medium (optional) and then begin painting them.
8. Wait for the votives to dry completely add the candles back into the tea light shells and you are done.

There are so many uses for these little guys. You could give a set to your mum for Mother's Day or keep them all for yourself.

