

# Recycled, Repurposed, Renewed!



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## RECYCLED, REPURPOSED, RENEWED

For all those struggling with the mountain of refuse filling our world, the children of class 6 in Chevening CEP School have a suggestion. Why not Recycle, Repurpose and Renew?

This book is full of great ideas of objects, tried and tested, by the pupils.

There is a physical version too – if you want to click on links for extra information.

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## Recycled, Repurposed, Renewed!

Have you ever wanted to make your own colourful, amazing objects and save resources at the same time? It can cost you nothing more than a little time, which is likely to fly by as you have such fun! Click on our contents to go to the projects of your choice and help us recycle, repurpose and re-use.

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[Tea Light](#) – from a jar – by Archie

[Pencil Pot](#) – from cardboard rolls – by Claudia

[Phone cover](#) – from a balloon – by Sam



## How to Make a Forky Photo Holder! – By James

The following instructions will tell you how to make a photo holder out of a fork, with barely any effort at all!

### You will need:

- A fork
- Pliers
- Hot water
- Container to put water in
- Photo



A photo taken of the finished product

### Safety:

- Be careful when you're bending your fork, because of the prongs on the end. If you're worried about this, you can use tissue and cover the points with it while working.
- Be aware when you're using hot water.

### How to make it:

1. First put your fork in hot water and leave it for 30 seconds.
2. Then take it out and you can now bend it easier than before putting it in the water.
3. Next, using the pliers bend the two outer points back and the inner two points forward, to create the stand. This will create the area for the photo to sit.
4. Finally put your photo in the new frame.



Now you have your very own photo holder with barely any effort at all!

### [A milk carton to a shovel](#)

Do you want to see another very simple creation? How about a shovel from a milk carton? This marvellous design can also be used for cleaning up dog mess or cat litter and all you have to do to make it is cut a milk carton. (Click here for [contents](#) page)



## How to Make an 'Ele' Money Box - by Ellie

Are you bored of normal money boxes? Do you like recycling? Then this document is for you. In this text you will find out how to make an amazing, colourful, creative money box. All you need is a milk bottle, some scraps of paper and a pinch of imagination. Then, altogether you get a spectacular elephant money box.



### Step 1

To start off you need to get an empty milk bottle. If you want a small elephant, use a 2pint bottle; if you want a big elephant, choose a 4pint bottle. Choose your milk bottle and then use clean water to rinse it out to make sure there's no milk left in it at all.

### Step 2

After you have chosen your milk bottle and rinsed it out, get a pair of sharp scissors or another sharp object, and pierce a hole. You should pierce the hole half way up so that you have at least half of the handle above where you pierce the hole. Ask an adult to do this. The hole should be big enough to fit the end of a pair of scissors in. Once you have done this, start cutting around the milk bottle. If you are under 15, then you need an adult to either supervise or help doing it to make sure you are safe. If you have rough or sharp edges, then get a bit of sand paper and rub it against the edges until you are satisfied with your edges.

### Step 3

Once you have cut out your main body of your elephant, then you can start making the legs, but don't throw away the bottom of the bottle because we will be using that later. To make the legs of the elephant you just get some sharp scissors, and cut out four semicircles, one on each side. This will make the legs. This will also allow the elephant to stand up on its own.



### Step 4

After you have made your legs, you need to get out your scraps of paper to decorate your elephant. You can choose how you use your glue. I put mine on the underneath and the outside, if you put glue on the outside after you have stuck on all the paper, and it has dried, then it will look really nice and shiny. But be careful that you don't lick your fingers or put your hands in your mouth or on your face, whilst still in the process - in case of choking or illnesses.

## Step 5

After all of the elephant has dried, pick your facial features; and anything else you want to put on your elephant to decorate it. To stick on these objects use super glue or a hot glue gun. But be careful not to get it on you because it could make you ill if you eat it. Or if you use the hot glue gun you could burn yourself. You can also decorate the lid as well, if you want to.



## Step 6

After you are satisfied with the look of your elephant, you can start making it into a money box. Get the bottom of the milk bottle that you cut off earlier. You will still need the hot glue gun (or superglue) to stick it in with. Put the bottom of the milk bottle up the bottom of the elephant. See if it fits comfortably, if it doesn't, then cut the top bit off until it does. When you are satisfied with the fit, take it out and glue the sides of the bottom of the milk bottle, and put it back up. This is where your money will go. To put the money in, unscrew the lid and drop the money in. The bottom of the milk bottle will catch it. To get the money out, unscrew the lid and tip the elephant upside down and the money will fall out.



This is what your elephant could look like.

(Click here for [contents](#) page)

## Other projects

Other money box projects:



### Tissue box money box

Want an easy to make money box?  
Yes, then this is for you.

### Bottle money box

Do you want a money box that looks fun and is see-through? Yes, then this is the money box for you.



### Piggy Bank

This money box is made from a paper covered, painted milk carton; where the handle has been cut to make the legs.



# How To Make a Monster Money Box

## Out Of a Bottle

– By Max

### Resources You Will Need...

Any type of plastic bottle

Some decorations (For example...  
googly eyes, pipe cleaner ears, fluff balls)

### Instructions:

This is a very easy model to make! It only takes 10 minutes or so. It is very effective and good fun.

- 1) Find an appropriate bottle and wash clean.  
The top must be large enough for coins to come out.
- 2) Ask an adult to help you cut a slot in the side of the bottle to put money in.
- 3) Ask an adult to help your stick decorations on.  
(You can make eyes, ears, and a tail.)
- 4) If you make some legs out of pipe cleaners, it will help the money box not to roll about.



Click on the pictures for some other piggy bank models people have made.



One model is made by Jay. I think this model is very effective and creative. It is made out of a tissue box. Again, this is very effective and easy to make. Here is an 'Elebox' made by Ellie from a bottle too.

(Click here for [contents](#) page)

## How to make a money box out of a tissue box

Are you tired of forgetting your code for your money box? Are you bored of dull money boxes? Imagine a money box, decorative, fun and easy to use; where there is no code to stop you going in. Well, look no further. This document will help you understand how to make your very own, easy to use, money box from an old tissue box. Cool, amazing, and exciting - there's no need for crying when you make this and you'll love it when you do. I'll tell you how now ...



What you will need:

1. One animal tissue box with ears
2. Tape
3. Scissors/knife (with a parent)

### Steps

1 First take out the tissues out from the box.

2 Then tape around the hole where the tissues come out so it makes a thin rectangle where you can put in your money.



3 After that, use your scissors or knife to make a hole behind the ears, so you can take out your money when you put it in.

4 Then you will find two flaps behind the ear. Tape one of the flaps from outside so it will not mess with the money. Then leave the other one so it will block the money falling out when the ear pops out.



5 After you've done all that, then you will turn out an epic, cool money box.

Written and designed by Jay. (Click here for [contents](#) page)

### Lucy's Boxy-Bin Building

Ever thought that your bin is too large or lacklustre? Do you want a detachable bin? To learn how to make a perfect bin of your own, follow these simple instructions:



#### Safety

To keep safe whilst you are making this bin: always have an adult by your side, keep the knife away from your body and make sure that you don't decorate the bin with unsuitable things.

#### Equipment

To make a bin you need to have: at least 4 tissue boxes, preferably long but thin, a sharp knife, an adult, decorations, glue (all purpose, bin bags and 4 pieces of sticky back velcro (2 of each type).

#### Instructions

1) First you need to find four, **identical in size**, empty tissue boxes.

Ask an adult to help with the next step.

2) You need to get a sharp knife and with an adult's help, cut out the plastic flaps (of two of the boxes) shown in the picture below. Scissors won't work as they aren't sharp enough.

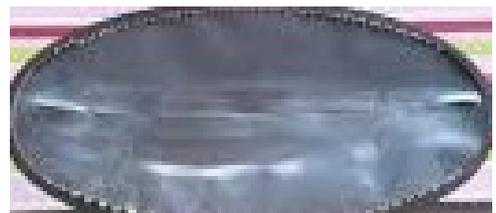
3) After that, cut out a medium space from the top of the two tissue boxes that you haven't cut yet (these will be the bottom part of the bin).

4) Now use the knife to cut out the bottoms of the tissue boxes going on the top (around the same space as you cut from the tops of the tissue boxes going on the bottom).

5) Next get the glue, all purpose or super will work best; and stick the top boxes onto the bottom ones and you should have two bins looking similar to the ones in the picture.

6) Now you need to get your pieces of velcro and cut two pieces of the same type in half, you should now have 6 pieces of velcro.

7) After that, stick the smaller half-sized pieces on the sides of the boxes, as shown in the picture. Do the same for the other side.



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8) Next you need to make sure it works by sticking the other pieces of velcro onto the pieces already on the bin.

9) Finally you can decorate. I advise paint but it's your choice. The more you decorate, the more it will appeal.



### Adaption

### Tissue Box Money Box

You can also use a **tissue box** to create a money box!

### Adaption

### Alice in Wonderland Dolls House

### Clutch Bags and Purses



These great bags are made from old wrapping paper, cellophane and ribbon. Simply, cover and stitch together



(Click here for [contents](#) page)

## Marvellous Mini Mannequin

*This is a mini mannequin. Learn how to make one by reading the instructions below. You will also find out what you will need and how to stay safe.*

### *You will need:*

- *An old plastic bottle*
- *Pins*
- *Gems and sequins*
- *Stapler*
- *Glue*
- *Leaves*
- *Beads*
- *String*
- *Tape*
- *Some fabric - yellow, patterned two sheets of lilac, and a white sheet with gold around the edge.*



Your finished mannequin

### *How to make it:*

1. *Take your old bottle and wrap your yellow material around the edge of the bottom of the bottle. That is your lower layer of the skirt.*
2. *Whilst holding the yellow material, wrap around the patterned material on top of the other one. That is the top layer of the skirt.*

3. *Pull the yellow and the patterned material together at the back and staple them together.*
4. *Now circle one of the lilac materials around the top half of the bottle. Make sure it is higher at the back of the bottle and make it lower at the front. Using pins, pin the material to the bottle - that is your skirt.*
5. *Using a thin material as a belt, wrap it around the join from the skirt and the lilac top. Staple it at the back.*
6. *Turn the bottle around and wrap the other lilac material inside the white material and glue it to the back of the bottle. Now you are ready to decorate!*
7. *On the top of the bottle stick gems on to make it look pretty.*
8. *Put some beads on a string and tie around the top like a necklace.*
9. *Now put some sequins on some tape and stick around the lid of the bottle: this is supposed to look like a crown.*
10. *Get some glue and put leaves on the sides of the bottle for decoration. Now you have finished your model.*

### *How to be safe:*

*When creating this model you will need an adult supervising you, because there are sharp objects including pins and staples that may hurt you. Always be sensible when creating this and stay safe!*

*Thank you for reading this, hopefully by now you will know how to create a mini mannequin using an old bottle and some materials.*

*Written and designed by Scarlett. (Click here for [contents](#) page)*

## Tea light? That's right!

If you want to make a tea light holder, if you want to recycle a jar; then just read on to find out how. It is an easy way to be able to have a small tea light that can be inside or outside.

### Equipment

- ❖ Glass jar
- ❖ Ribbon
- ❖ Buttons
- ❖ Super glue
- ❖ String/thread
- ❖ Hair dryer

### Safety

With this tea light holder you need to be careful when you are lighting it. If you have a narrow jar, or even a wide one, then it would be better to use an electric gas lighter as it is less likely to burn yourself. Also superglue is dangerous so you need an adult to help. When the tea light is lit, then the wax will be another problem as it could pour out.



### How to make it

Step 1. Get an empty jar like this. You need to get your string/thread and superglue it around the jar.

Step 2. Stick, with superglue, one of your buttons on; and heat it with the hair dryer so that it dries the superglue so that the button doesn't fall off.

Step 3. When you have stuck all of your buttons on, you can get a piece of ribbon and tie it around the bottom of the lid on 2 sides so that you get a loop where you can hold it. Do it really tightly so when you lift it, up you don't drop the jar and the ribbon doesn't break or come off.

Step 4. Once you have done all the decorations, then if you have a bit of gravel, pour some in there so that it looks more appealing.

Step 5. With your small tealight, try to lay it in the jar the right way up. Then you have a tealight holder for anywhere – outside or inside.



Written by Archie (Click here for [contents](#) page)

You could use cans with very little modification too.

Why not make a coconut shy type game with painted tin cans?

## How to Read the News While You Drink Your Tea!

Have you ever wanted to make a newspaper table?  
Then read more to find out!

Click link for [safety](#)

(To give you all the tips to staying safe with this amazing table)

Here are other items you can make with newspaper.



The newspaper table alongside other repurposed objects

What you need?

You will need ...

- Some newspaper
- A biscuit tin lid
- Scissors
- Sellotape
- Clingfilm

## Instructions:

Step 1- Get two pieces of newspaper and roll them up and sellotape them. Repeat this times but make 1 of them a bit bigger than the others to support them!

Step 2- Get the biscuit tin lid and wrap it around with 1 piece of newspaper and sellotape to the lid.

Step 3- Put clingfilm around the lid and sellotape it to protect it from spillages.

Step 4- Turn the lid upside down and sellotape the rolled up newspaper to the lid! Make sure you put the larger one in the middle to support the



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others. Put the smaller ones around the big one! (Make sure you sellotape them tight to the lid!)

Step 5- Turn the table the right way up and there you have it - a table!

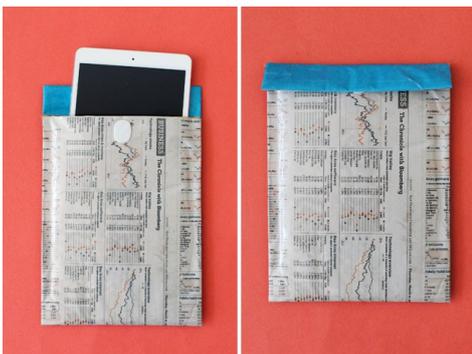
**Safety is very important!** When making this amazing tea table make sure when you are cutting. Also when you use this table, don't put too much weight on it otherwise it may break. If you spill a hot drink onto your skin make sure you put your scald under cold water. If your scald is serious then seek medical advice!



**Remember what you have learnt and be safe when making this amazing table!**

*Written and designed by Orla.* (Click here for [contents](#) page)

Other ideas which you use newspaper for...



Ipad Mini Case 1



A Envelope 1

Here is a link to find how make these amazing things items  
<http://www.brit.co/12-newspaper/>

## **Buzzing Bees Need a Home**

### **Make Them Happy!**

This shows you in many different ways, how to make a buzzing bee's house, for your garden. Read this and you will be able to blow your family and friend's mind with something that is so easy to make.



### **What you will need:**

- Newspaper
- Hot Glue gun
- Loom bands
- Scissors
- Milk bottle



**Step one:** Get about six pieces of newspaper, and roll them up together.

**Step two:** Next, tie your scrolls of newspaper together with loom bands.

**Step three:** Then keep doing many more of these, until you feel that there are enough for your bee house.

**Step four:** Once you have done this you need to get a hot glue gun and glue them all together.

**Step five:** Then get an empty milk bottle and cut it to cover your bee house.

Step six: Next, glue it all together with your hot glue gun. Get an adult to help keep you safe.

Step seven: Then you can decorate your bottle.

## Safety

- When you are using scissors to cut the milk bottle, get an adult to help you.
- Don't use a glue gun if you are a child, you need an adult to help you because it can be dangerous.

Written by Isabelle

## Other ideas for using newspaper



<http://www.brit.co/12-newspaper/>

(Click here for [contents](#) page)

# Perfect Pencil Holder – By Claudia

This guide will tell you how to re-purpose cardboard insert rolls, cardboard and other items that would be otherwise thrown away; and how to create a 'perfect pencil holder'. Useful, attractive, simple: this can be crafted in less than ten minutes. Follow these easy steps to make one yourself...

## Other Pencil holders

Want to see some other styles of pencil holders? Follow these links to see other examples.

1. [Sock pencil case by Bridget](#)
2. [Fanta can pencil holder by James](#)



### Contents:

1. [Equipment](#)
2. [How to make it!](#)
3. [Safety warnings](#)

### Equipment

- Two normal toilet rolls or one long paper towel roll
- Tissue paper and card (for decoration)
- Cardboard
- An egg box
- Paint or pens
- Tape
- Scissors



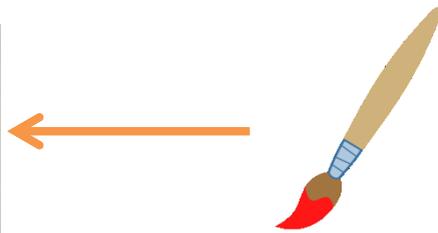
### How to make it!

1. Stick the toilet rolls together, one on top of the other (if you don't have a long one.)
2. Cut this part out of an egg box.



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3. Paint it pink like the tip of a pencil and then paint the top black like lead and leave it to dry.



4. Cover the toilet rolls in tissue paper and place strips of card so that it looks like a pencil.



5. Cut a square of cardboard about 5cm in dimension and attach it to the bottom of the toilet rolls, so that it stands up; and then cover it in black paper.
6. Stick on the lid (egg box) so that it can flap open and close.
7. You can add any other details like glitter, sequins or any other embellishments!



You may want to change the colours or style like these:



<http://www.craftpassion.com/2010/09/recycle-pencil-holder-tutorial.html>

## Safety warnings

- Be careful with scissors especially when cutting cardboard!

(Click here for [contents](#) page)

## Instructions of How to Make an 'Alice in Wonderland' Dolls House



### You will need:

- One box – approximately 30cm x 24cm with lid
- One orange (net) wrapper
- One set of playing cards
- One earring box
- Old pencil sharpener
- Old fabric
- Pens
- Stickers/sequins ( of your choice )
- Glue dots or glue
- Black tissue paper

### How To Make It

1. Take your box lid and write a sentence of your own choice on it. Then stick sequins in random places. Cut a playing card in half and stick it to the front of your box.

2. Next stick cards around the inside of your box with glue dots. Also stick them around the outside as well, leaving a space in between each card.
3. Cut a small square of tissue paper and a slightly smaller square of orange netting to make a rug. Stick 4 glue dots to the base of your box and attach the tissue paper, then stick 4 glue dots onto the orange netting and stick this to the tissue.
4. Use the bottom of the card container for the bed and use 4 glue dots again to secure the bed to the base. Then take the sponge from your earring box and stick this with 2 glue dots to the back of the bed, to act as a pillow. Next cut out 10 of hearts to decorate the pillow. Then get a small piece of fabric, fold the top part of it over and secure with 1 glue dot. Cut out the King of Diamonds and stick it to the front of the fabric, this will act as the bed cover.
5. To make the TV, take the lid of your earring box and cut one of the King's faces from a card. Stick to the front on the lid with 1 glue dot. Attach the TV to the wall of your dolls house using 2 glue dots.
6. For the kitchen, you will need 2 playing cards, the base of the earring box and the top of the playing cards case. Cut 1 playing card in half and form into a tube shape (to make a seat). Then take the other card and stick it inside of the card case and attach this to the wall of your house to make a dining table.
7. To make the toilet you will need 3 playing cards and an old pencil sharpener. Stick a glue dot to the wall and then stick the card. Then get your other card and stick it with a glue dot to the wall. Cut a playing card in half.
8. There you have an amazing dolls house.

**Designed and written by Amelie and Tallulah**

(Click here for [contents](#) page)

## Cheep Cheap Birdfeeder! – By Jonathan

Taking care of the wildlife on Earth is always great! But what if you could do it, saving the expense? This easy, 6 step instruction sheet, will help you make a birdfeeder out of a lemonade bottle.

### Equipment

- Pen knife
- Lemonade bottle
- Sticks
- Hook

1) Take your bottle, wash it out and remove the label.

2) Make a hole where the stick will go through the bottle. An Airfix knife would be the best for making the holes but ask an adult to do this for you.

3) Now for the tricky part! Line up your stick with the other side of the bottle and cut round. There should be room for at least 3 sticks if you are careful and your bottle is large enough.

4) Get your lid and screw the hook in. Be careful though! The end of the hook will be sharp and you might hurt yourself!

5) Cut some holes in the side of the bottle, about 2cm above the ends of the sticks. These should be relatively big so the birds can get them out easily.

6) Fill your feeder with birdseed using a funnel. A cone of paper can work.

**Well done! You have successfully made your own cheep cheap birdfeeder!**

This project requires a lot of cutting and you could hurt yourself! Also think of the birds! Sand down all sharp edges so the birds don't get injured!



## Have you ever made a bird feeder out of plastic bottles?

By Rosie

You can buy a bird feeder from a local pet shop but it won't be as fun as making your own. Did you know you can make a bird feeder out of plastic bottles which you don't need anymore?

Birds love a tasty treat and would really enjoy having a bird feeder to eat from. The only thing you have to do is follow these instructions to make your own:



### Safety:

Cutting plastic can hurt you, so make sure that if you're a child you ask an adult to help. The end of wire can be sharp, so be careful when bending. Some of the tools that you would use can be harmful, so make sure you have an adult when making your model.

### What resources you need:



- 2 plastic bottles (1 large, 1 small)
- Duck tape
- Wire
- Wild bird seeds
- Small knife
- Hole poker



### Instructions:

Step 1: Take a large plastic bottle and smaller bottle and wash them out. The large bottle will be the feeding area of the bird feeder (at the bottom) and the smaller one will be the seed container part (above it).

**Making the top seed container (and seed delivery part):**

Step 2: Take the small bottle and cut off the bottom but **don't** throw the rest away because you can use that later.

Step 3: Put 2 holes opposite each other, near the base of the main part of the small bottle.

Step 4: Pierce a hole through the middle of the base of the small bottle.

Step 5: Thread and twist wire from the two small holes in the main bottle together and pass upwards and out. Thread the base with the hole in it onto the wire and make a loop at the top.

**You have now made a lid, hook and a pouring device for the seeds.**

**Next we will make the feeding area:**

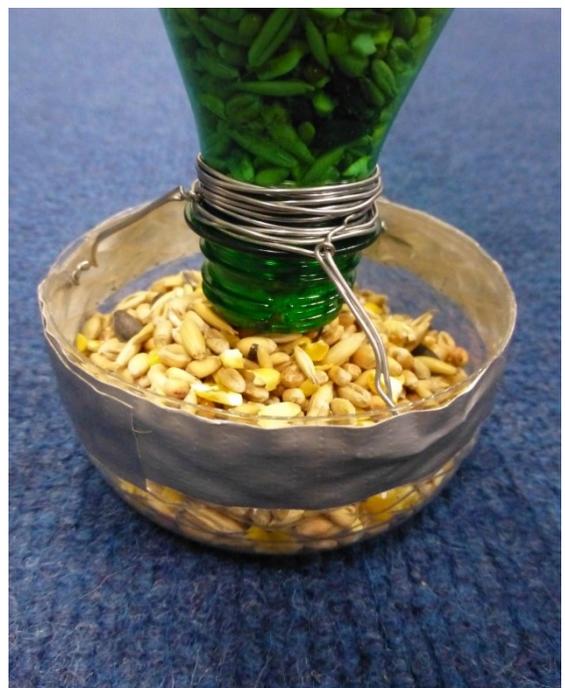
Step 6: Then take the big bottle and cut off the bottom.

Make sure you **don't** throw it away either.

Step 7: Put 3 holes in the base you cut off from the large bottle, near the top.

Step 8: Twist wire through the 3 holes and leave them leading towards the centre.

Step 9: Take the end of the small bottle where the bottle top is. Un-screw the lid and get some wire to wrap around the neck.



## RECYCLED, REPURPOSED, RENEWED

Step 10: Twist all the wires together to join the base of the big bottle to the neck of the little bottle. There should be a small free space so that the seeds can fall out of the small bottle into the large one. But it must not be too high as you want the seeds to stop coming out once there is a good layer in the base feeder.

Step 11: Use the duck tape to remove sharp edges of the wire and bottles.

Step 12: The main part of the big bottle can be used as a funnel to fill your new bird feeder with seed.

You have done it. Hook it up and enjoy watching the birds have a feast.



(As an added bonus – you can pierce holes in the lid of the bottle to turn it into a watering can too.)

(Click here for [contents](#) page)

Other great bottle ideas can be found at the [Bored Panda Website](#)

## Bird Feeder Instructions

By Mia

Repurposed Rubbish

### Introduction

Have you ever thought to make a birdfeeder out of a simple, every-day, drinks bottle? Well here is your guide to making a cheap one - homemade. Follow these easy instructions to make one:

Step one. When your water bottle has nothing left in it, rinse it out, then wait for it to dry. Next ask your parent to help you poke six holes in the bottle using the skewers.



Step 2. Next, make your holes bigger by opening with scissors (let an adult do this). Turn the scissors in the hole, enlarging it, until it is big enough to fit your stick in. Don't enlarge the two top ones as much.

Step 3. After you have successfully made your six holes, make a small funnel out of a piece of A4 paper by twisting it into a cone-like shape and then stick it together with sellotape. Once you have completed your funnel, place it on your bottle, then slowly tip your bird seed in. (Don't fill the bird seed right to the top.)

Step 4. Secure the lid; then using the scissors, create two holes opposite each other. Then thread some string, entwined with wire. Finally make one tight knot at the top of top of the bird feeder securing it.

Now you have successfully made a bird feeder!

#### Resources...

A large plastic bottle  
Either some willow sticks or normal oak sticks.  
String  
Wire  
Bird Seed  
Skewers  
Scissors  
Paper  
Sellotape



#### Safety

When using the skewers, ask an adult to help you because the end of a skewer is very sharp and can be dangerous. The inside of the bottle edge is also sharp, so don't get your finger stuck when poking the sticks in the holes.

#### Links For other birdfeeders

Jon's Bottle Bird Feeder  
Bertie's Bottle Bird Feeder  
Rosie's Bottle Bird Feeder

(Click here for [contents](#) page)

# EVEN A BIRD-BRAIN COULD MAKE THIS!



## Introduction

This guide will tell you how to make a well working, awesome and nature friendly birdfeeder!

Also, it's totally made from recycled materials. Don't want to make a birdfeeder? Well, there are some links at the bottom to other awesome things you can make.

Imagine a bird feeder, cool-looking, and well working; and totally made of recycled materials! Read this guide and you'll be able to make it!

## Materials

- Plastic bottle
- 2 wooden spoons
- Some birdseed
- Rope/wire
- A knife

### Safety

- Remember when using a knife make sure an adult is supervising.
- When putting the spoon in, make sure that you don't cut yourself on the sharp plastic!



### Step 1

Empty, wash and put your bottle upside-down so it dries out. Then get your knife, always ask a parent to help you with cutting - it could be dangerous! Make one triangular hole and one cross hole. Remember to put the cross hole higher than the triangle so that the seeds come out. Do this twice on opposite sides.

### Step 2

Next, put the spoon (the end with the straight part) through the triangular side and out the cross side, always have the wide side next to the triangular hole otherwise the seeds won't come out.

### Step 3

Next, tie a really tight knot twice on the top so it won't break. Next fill the bottle with seed.

I hope you like this bird feeder! I made one myself and it works really well, although you may think the seeds are not coming out, they are because when the birds peck them they will all fall out! Or you could get smaller seeds!

Thank you for reading! By Bertie (Click here for [contents](#) page)



## Trap-A-Rat

### Introduction

This rat trap is very useful as it can recycle many different things. This is reliable as it does the job you would expect and want it to do.

I hope you find these instructions very useful.

### Safety

### Instructions

First, you have to have all the equipment, which is:

- Knife/scissors
- 2 elastic bands
- Thread
- Bottle
- 2 chopsticks
- Screw driver
- Paperclip
- Food/cheese



(Click here for [contents](#) page)

## INSTRUCTIONS

1. First cut the bottle, not fully but near the top.
2. Then get the screw-driver or knife and ask a parent to drill a hole on both sides, near the bottom.
3. Put the chop sticks through both sides.
4. Then get the elastic band and put them over the two chopsticks, like in this picture.
5. Drill another hole at the back and tie the string around the bottle lid.
6. Put it through the whole you drilled and make a loop out of the string. Put it over the line of the paperclip.
7. Put the food/cheese on the paperclip.
8. When the mouse comes in and tries to take the cheese, the string will come back and shut the lid which will 'trap the rat'.



## SAFETY

First you need to know how to stay safe with scissors and knives. You will need to cut off the sharp edges so nothing will get hurt. Lastly, make sure nothing can kill the rat, just trap it and let it free. Don't mess around with any of the tools that could cause people to get hurt.

**Thank you for reading carefully and hopefully it helps – By Henry**

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## **Don't Pot About, Make a Plant Pot** – By Libby

Do you have a garden? No?

Well, then this is the best idea for you.

All you need is...

### **Equipment**

There's no cutting in involved. So no scissors unless you're doing my extra tip.

You need: a daffodil, a bottle, (lid) and a bit of soil. (It could a lot depending on the size of bottle.)

It may look simple but it is effective and easy to carry. With a bigger bottle, you could but more plants too.

### **Safety**

Don't eat the soil. Be careful not to pick a poisonous flower. Make sure you wash your hands with soap afterwards.



### **Steps to a good pot**

#### Step 1

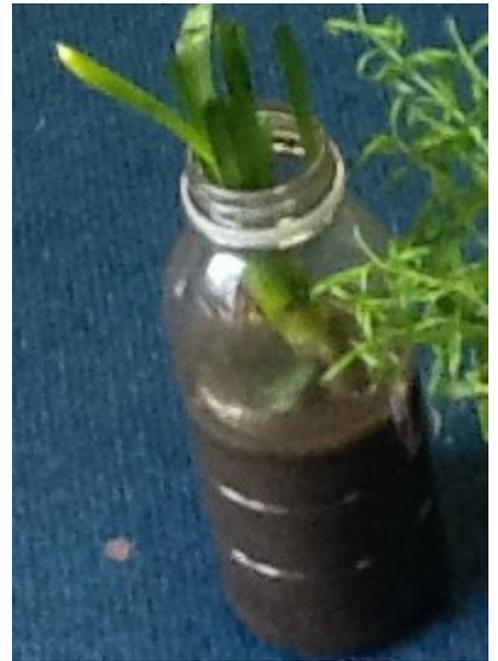
First wash out an empty bottle and ask if you can use soil from your garden.

#### Step 2

Put the soil in but make sure there are no stones, sticks or worms.

#### Step 3

Put the seeds in (or bulbs), then put in more soil to cover it; and then water it every day.



### **Tips**

If you want to you can cut of the top off so you can make more room for you plant.



### **Adaptations**

You could use a simple egg box to grow some plug plants before transferring them to your garden.

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## MIND-BOTTLING BOTTLE SHAKERS

Have you ever tried to make a bottle shaker?  
Now you can make one. They are great to look at and really playful!

### Things you need

- ❖ 3 Small plastic bottles
- ❖ Some wool
- ❖ Rice
- ❖ Food colouring (optional)
- ❖ Needle
- ❖ Beads
- ❖ Thread
- ❖ Drill
- ❖ Knife
- ❖ Gas cooker



### Instructions

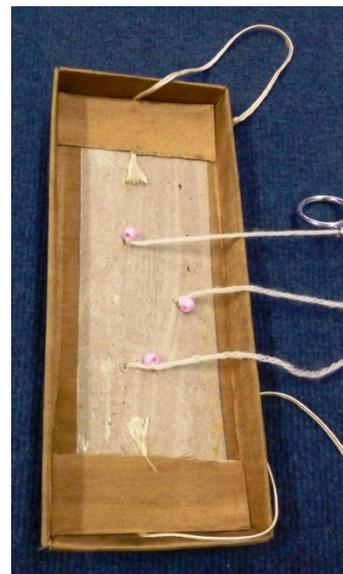
Step 1 – Ask an adult to drill 3 holes in to your cardboard lid. Make sure you put the holes similar widths apart. Don't put them too close together.

Step 2 – Ask an adult to put a knife by a gas cooker and make sure it is touching the flame, but be very careful. After a while the tip of the knife will go black. Then try pierce a hole in the bottom of the bottle. If it doesn't work do this step again.

Step 3 – Once you have pierced all the bottles, attach some thread with a needle to a piece of wool. Then tie a bead to the wool and try putting the needle through the bottle. (This is quite tricky.)

Step 4 – After you have put the wool through the hole, cut off the thread, then add on 3 beads. Then put it through the hole in the cardboard lid and tie a bead to it.

Step 5 – Get some rice and add some food colouring if you like. Put your rice in a pot or a grill to get rid of the moisture. Make sure you use a non-stick pot as otherwise, they might get stuck. You can also add water to make your rice a lighter in colour. When you have cooked your rice, screw the lid on to your bottle and you are done.



I hope you enjoy your bottle shaker!

### Safety

- Make sure you don't burn yourself when grilling or cooking your rice.
- If the bottle shaker breaks, keep the beads and rice away from babies.
- Ask an adult to use a drill to make the holes in the bottles.
- Make sure you get an adult if you are using a knife.
- Don't make the wool too long because if you have a young child they might get entangled.



Here are other ways you can use plastic bottles



(Click here for [contents](#) page)

## ‘Don’t Cry Over a Split Milk Bottle’

Get ready to make a simple tool that you can use for nearly anything! In these instructions I will show you how to make a shovel, but feel free to make it into anything you want.



You could make it into a pooper scooper, a brush and dustpan, a watering can and many other things. I hope you enjoy making this amazing multi-tool and put it to good use.

### What You Need:

- A milk bottle
- Strong scissors
- Washing up Liquid
- Water
- A pen/pencil

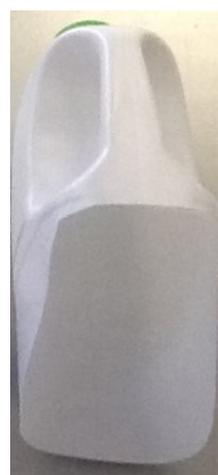
#### How to Stay Safe

When making this shovel, be very careful when cutting the bottle as you can hurt yourself. If you finish, remember to sand down the rough edges because you could get injured if you get pricked.



### How to Make It:

1. First of all, get all your resources prepared.
2. Then start taking the labels off until there are none left.
3. When you’ve done that, clean the bottle out with water and washing up liquid.
4. After that, draw on with a pen or pencil the outline of where you’re going to cut. Make sure the sides are curved so it looks like a quarter of a circle.
5. When you’ve finished, sand down the curved sides so it is safe to use.
6. Finally, decorate it with anything you want and you’ve finished.



## RECYCLED, REPOPOSED, RENEWED

You can adapt this great but simple idea in many ways. One is using it as a funnel. Another is by making holes in the lid to make a watering can. If you do this, it helps to leave part of the back on.)



I hope you enjoy your new tool. By Peter

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## Bottle Mad – By Callum

If you don't know what to do with your old milk bottles, then read this text.

### What you need:

- A milk bottle
- Scissors
- Decorations

### Safety

Make sure that when you cut the bottle you get an adult to help.

Use sand paper to get rid of the sharp edges of the bottle.

When using scissors make sure you are careful not to cut yourself.

### Instructions

1. Clear the bottle out and wash thoroughly.
2. Cut just below the handle to make your base of the pencil pot.
3. To make the edges of the pot smooth, use sand paper to erase the sharp edges.
4. To make your milk bottle look aesthetically pleasing, add a design of your choice.



BEFORE



AFTER



Piggy Bank from a bottle



(Click here for [contents](#) page)

# How to Make a Cosy Cat Home – By Thomas

1. First you need to find the following items :

Scissors  
Foam - 2cm thick  
Sewing thread  
Small ball  
Nail  
Needle  
Materials (soft and warm)



## How to make it!

2. Cut the material into 2 rectangular shapes, 1 which is 60cm x 30cm, the other 33cm x 28cm.
3. Then you need to cut 2 pieces of foam slightly smaller than each piece of material.
4. Place the foam on top of the material and then begin to sew the material onto the foam. This takes approximately 1½ hours.
5. When both pieces of foam are covered, bend the larger piece into a dome shape and attach it to the smaller (base) of the home.
6. Finally you can sew the ball onto the cosy cat home, with the ball being attached with thread to keep it in place.
7. I hope you liked reading this and let's hope that it worked for you. Good luck and let's defiantly hope that your cat will have the cosiest home in the world.



**Your cat will have the cosiest  
place in the world!**

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## How to Fizz up Your Day – By James

Do you need a pencil pot to keep your pencils in? Well, here is an easy way to do so.

To find out how to make one, look at these instructions:

1: First, use a knife to cut off the metal part of the can

**You must have an adult to help you.**

Make sure you are careful to remove sharp bits of metal.

2: Wash out the can and leave it to dry.

Then you have your Fanta can pencil pot.

3: Lastly put your pencils in your new pencil pot.



### What you need

- Fanta can
- Knife
- Water
- Pencils

### Safety

- When you cut metal part of the top, have help from an adult.
- Be careful when making sure all the sharp parts of metal are removed.
- Before you use your pot, double check all the possibly sharp areas.



If you have followed these instructions, you should have perfect pencil pot made out of a can. You can do this with your favourite type of can.

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# Go Potty for Plant Pots – By Edward

Imagine a place where you can have as many plants as you want, where you can buy a cheap can for two reasons, where the outdoors and indoors of your house both hold lots of nice plants. You can make this happen, if you follow these instructions. If you want to have a plant, but don't have a plant pot, you can just use a can and follow these easy steps...



## Safety

When you make it, you might want to use a can that has previously had liquid in it, so it will not get rusty. That way, it will cope with you watering the plant. With a tin can, you also must be careful about putting the plant in, due to the sharp edges. While you are assembling it, don't put your hands in your mouth, and when you have finished, wash your hands. Try not to pick a plant that can cause you illness.



## Equipment

All you need for this is a can that isn't huge but isn't too small, some soil and a plant that fits the size of your can.

## Method

- 1) The first thing you need to do is find a plant.
- 2) Then find an empty can that is suitable size for your plant and wash it out.
- 3) After that find some soil, and pour it into the can.
- 4) Finally, carefully lift the plant into the can, and you have your plant pot ready to go! You still must make sure you water it. This sort of plant would be mostly for indoors.

You can use a can like the one above, or you can use a food can, and grow whatever is on the can.

## Adaptations

Another way that you can do this is using a bottle. Unless you would like to cut the top off, you might want to choose a thinner plant. That way, the limited space won't be a problem.

## Safety

Like the last one, be careful about which plant you choose.

If you do want to cut the top off, you will be using either scissors or a knife, so you will need an adult to assist you when you do it.



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## Super Sock Pencil Case – By Bridget

This will show you how to recycle an object and get a brilliant pencil case too. Just follow these easy steps...

### Safety:

When making this pencil case, make sure you are safe and don't cut yourself with the scissors or anything else like the sharp buttons I used to make mine, also don't prick yourself with the needle.

### What you need:

- Sock
- Thread
- Needle
- Buttons
- Tape

### If you want to add the decoration:

- Wool
- Crochet hook
- Glue



### Instructions:

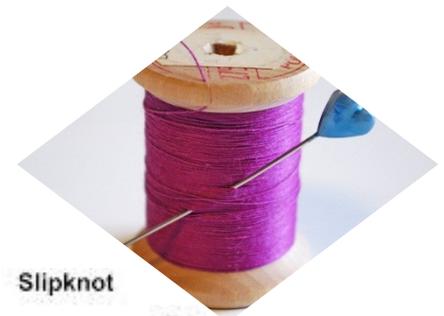
1. First you find yourself an odd sock or buy one from a shop.
2. Then you cut a strip in the middle 10cm long, 0.5cm wide.
3. On one side of the strip cut 3 holes along it, these will be for your buttons.
4. After you have chosen some buttons, sew them on the other side of the strip: make sure they line up with the holes.
5. When you sew them on, go over your stitches a few times so they don't come undone.
6. To keep your pens in, sew up the end with a whip stitch.
7. Turn your pencil case over, with some tape, fold the heel into itself and stick.
8. Finally, you can add any decoration you like. I crocheted a single strip and glued beside buttons.



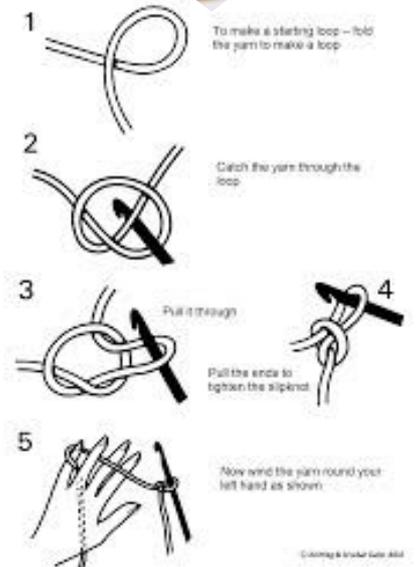
## How to Crotchet – Decoration

1. First get a sensible amount of wool
2. Then with your crotchet hook make a slip knot
3. Now wrap the end of wool round the hook and lift the loop on the bottom over.
4. Keep on doing this until you have a long single chain
5. Lastly glue it onto your sock.

...and that's how you make a very easy, environment helping, perfect pencil case!



### Slipknot



The cushion, above right, has been made by sewing curtain material inside out. The material is then turned inside out and stuffing put in. This one is stuffed with old, soft, dressing-gown material. It has then been decorated with ribbon and a couple of buttons. The heart on the right has been stuffed with lavender to smell nice. Get those needles out and get creative!



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## Have You Ever Turned a Hat Upside Down?

Here is an easy way to make a bag out of a hat! This guide will show you how to recycle in a helpful way. It is perfect if you need a small portable bag to carry around.



### Safety first

Make sure you have washed the hat first. Since you will have to use a sewing needle, if you aren't a very confident sewer, you might need to ask an adult to help. Careful of fingers!

### Resources you will need:

- 🌿 A sun hat with a rim
- 🌿 A large button
- 🌿 A sewing needle
- 🌿 Sewing thread
- 🌿 Two ropes

### Method

Step 1: First, take your hat and make a reasonably large hole, a bit smaller than your button. If your hat already has holes in it, (like mine) then you can leave it without having to put an extra hole in it.

Step 2: Next, sew a button on the opposite side to the hole that you made. Try putting the button through the hole to see whether it fits. If the hole is too small, just make it a bit larger.

Step 3: Make a small hole on the rim of the hat and tie the end of **one** thread through it. Repeat this with the other thread.

Step 4: Once you have done step 3, tie the other end of the first thread around the second thread and tie it back onto itself. Repeat with the other thread. Now the strap should be able to adjust its length.

So you have now made a bag out of a hat!

Written and designed by Jodie (Click here for [contents](#) page)



#Tags

Recycle, bag into a hat, simple recycling

## Making a Sock Monster – by Sam, Peter, Thomas and Isabelle

Ever find you have an odd sock? Well, here's a way to make it even more odd! You too can make a 'cuddly teddy' with a difference.

- 1) Simply fill a sock with some soft stuffing.
- 2) Sew up the ends. You can sew other limbs on using more socks. (Or you can cut into the sock and then re-stitch in order to make the limbs. Don't over-stuff them.)
- 3) You can stitch the heel of the sock to make a mouth. Some versions use a zip instead.
- 4) Buttons make good eyes. Odd buttons can be quite quirky fun too.
- 5) It is fun to make a nice bag for your monster to travel and sleep in when you go 'on the road' together.



You will need:

Socks  
Stuffing  
Thread  
Needle  
Buttons  
Zip (optional)



**Safety:** Have an adult with you when you are using scissors and needles. Don't let any very young children play with the sock monster in case they chew off the buttons or hair and risk choking.

Only sew the top bit of the mouth onto the body so you can flap it up and down.



When you sew on the eyes make sure they're secure and not going to fall off.

When sewing on the arms and legs, double stitch until you're certain they're on securely.

If you are going to give your monster to someone as a gift, why not write a little letter of introduction from it to its new buddy like the one below.

Dear Eliza,  
Hi my name is Bobble! I am four years old and my birthday is on July 4<sup>th</sup> July.  
I come from Sockland, with my three siblings. I have twin sisters and a little brother. Their names are Fizzy, Dizzy and Wizzie.  
I love to eat pillows and socks. On my birthday for a special treat I would like to receive purple ballet shoes! I like to dance and I heard that's what you like too.  
Fizzy likes to go to gymnastics and so does her twin sister Dizzy. Wizzie likes to play football.  
Please look after me well and play with me kindly. Please do not chew my nose or eyes because it really hurts!  
Love from Bobble. xxx



## Brilliant Buzzing Bee Hive – by Neve

If you want to learn how to make a quality bee house or mini-bug hotel for the smallest amount of money, follow these simple instructions.



What you need:

- Newspaper
- Glue
- Paint brush
- Plastic bag
- Paper / A4



The finished product

Step one: Get two pieces of paper and glue the corners onto each other.

Step two: Get an old newspaper and start rolling the paper into tubes, medium size.

Step Three: When you've rolled up the tubes, start sticking them to the pieces of paper and do one layer at a time. Then, when you've done the first layer do one more to secure it.

Step four: Stick one more piece of paper to the corners of the other piece of paper.

Step five: Wrap the last bit of paper around the tubes (you might need one more piece of paper to wrap it round as it might not be long enough).

Step six: Now get a strong white plastic bag and wrap it around the middle of the paper to secure the tubes and to keep the bee-home a bit waterproof.

Step seven: Then start doing decoration: maybe draw some bees on and do some coils to stick on it.

## Safety

When you're using sharp objects, like scissors to cut the newspaper, make sure you either get an adult to do it for you or that you are being supervised. As well as sharp objects, you also need to be careful when using glue. You can try using decoupage glue, as it turns see-through.

Click this [hyperlink](#) to go to another way to make a brilliant bee house.

(Click here for [contents](#) page)



# The Phone Case You Would Never Think of Making! By Sam



**Resources:** Balloon, Phone

**Safety:** you need to be careful with the balloon because it might pop and you do not want that to happen, so you need a big balloon then it will not pop as easily.

**Step one:** First, you will need to blow the balloon up so that it is a bit bigger than your phone. Do not tie it. This will make it easy for your phone to go in to your balloon to make the case.

**Step two:** You need to place your phone in the centre of the balloon and you will need to keep hold of the end of the balloon so the air does not come out.

**Step three:** You will need to push your phone down and let the air out at the same time so the balloon wraps around the phone to make the phone case.

**Step four:** If you want, you can decorate it; but don't use felt because that will not stick very well to the balloon. By Sam

## ALICE'S AMAZING WONDERLAND!

*Introduction; this 'Alice in Wonderland' Dolls House will be the perfect gift for a younger child in your family to play and have fun with.*

*You will need...*

- *Glue dots*
- *1 pack of cards*
- *One box*
- *1 orange wrapper*
- *A small sheet of tissue paper*
- *One earring or ring box*
- *Playing card packet*
- *A small hard object e.g. A sharpener*
- *Pens*

*How to make it...*

1. *Take your lid off the box and write a mysterious sentence on the lid. Then decorate with stickers and colours. Also, you can add cards.*
2. *Next, you will get the inside of the box and stick card on the edge. Stick them with glue dots.*
3. *Make the carpet by sticking 4 glue dots to make a square in the middle of the box and cut out 2 square layers of tissue paper.*



'Alice in Wonderland' Dolls House

### *Safety:*

*When you are making this you need to make sure you are safe and sensible, especially with your scissors and sharp objects and edges.*



Stick it in the middle of the glue dots. Next, get the orange wrapper and cut a square shape out of it and then stick it onto your tissue paper.

4. Next, make your bed. Get the bottom of the card packet and stick it to the bottom of the box. Next you get some material and lay it over the bed. You can stick some of the cards on for decoration.
5. Make the pillow by getting the sponge from the box - It's your choice if you want to decorate it or not.
6. Make the toilet by coiling one card then sticking on the sharpener on top of it. Then make the sink by folding a card in half and sticking it on the wall ( the side of the box).
7. Next, make the kitchen and get the top of the card pack and stick it to the side of the box. Then get the base of the jewellery box and stick it to the wall. That will make the oven. You could choose to decorate it with over cards or not.
8. Next, you can make a telly by getting the lid of the jewellery box and sticking it to side of the box. Stick either the head of king or the queen on it.



Hopefully, now you know how to make an 'Alice in wonderland dolls house' for a younger member of your family or friend. Thank you for reading this.

*Written and designed by Tallulah and Amelie*

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