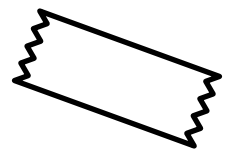
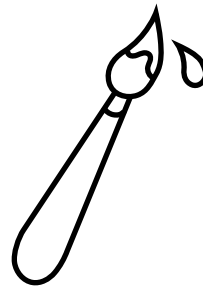
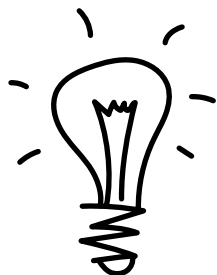


# Activities at home

## Guide #3



# Mini Guitar

## You will need

- Jar lids
- Rubber bands
- Large paddle Pop Sticks
- Tape
- Coloured Paper off-cuts
- Hot Glue Gun
- Hot Glue Sticks

## Instructions

1. Cover the large paddle pop sticks with paper off-cuts
2. Place 3 or 4 rubber bands around the mid section of each lid
3. Hold the lid at both sides, where the rubber bands are so they don't slip off
4. Stick the paddle pop stick to the back of a jar lid with tape
5. Use a strong tape (or a hot glue gun or superglue with parent supervision) to secure the edges of the paddle pop stick to the lid



Source: [www.thesprucecrafts.com](http://www.thesprucecrafts.com)

# Ping Pong Ball Launcher

## You will need

- Empty 600ml bottles
- Scissors
- String
- 2 rubber bands
- A large bead
- A nail and hammer



## Instructions

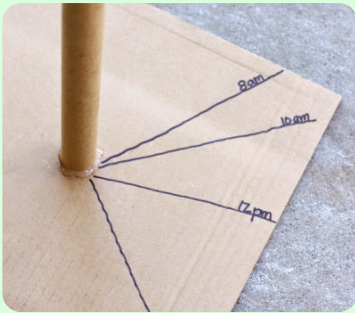
1. Cut the bottom half off the bottle
2. Cut 4 notches into the side of the bottle
3. Slide the rubber bands through the notches so they make an 'X'
4. Use a hammer and nail to make a hole in the bottle lid
5. Tie a string to the connection of the two rubber bands
6. Run the string down the hole in the lid and then tie a bead to the bottom of the string
7. Pull back on the bead. You should see the rubber bands pull in towards the cavity of the bottle
8. Place a ping pong ball on the rubber bands
9. Pull the bead back and then release to launch the ping pong ball!

Source: [www.frugalfun4boys.com/make-ping-pong-ball-launcher/](http://www.frugalfun4boys.com/make-ping-pong-ball-launcher/)

# Make a Sundial

## You will need

- Low temp hot glue gun
- Cardboard cylinder
- Square piece of thick cardboard (corrugated for strength) eg. wall sections of large boxes



## Instructions

1. Hold the cardboard cylinder in the centre of the square piece of cardboard.
2. Use the hot glue gun to secure the cylinder to the square piece of cardboard
3. Place the sundial out in the sun and leave it there, in the same position all day
4. Check on the sundial on the hour every hour – or on the hour every two hours
5. Use a marker pen and a ruler to draw a line along the shadow cast onto the cardboard as the sun hits the cylinder
6. Remember to write the actual time that the markings were taken directly onto the cardboard at the outer point of the marker pen

*The positioning of the sun and the shadows it cast upon a sundial, used to be how time was told. Bring science and history together with this activity.*

Source: [www.learnplayimagine.com/2014/05/how-to-make-sundial.html](http://www.learnplayimagine.com/2014/05/how-to-make-sundial.html)

# Be the household chef for today's lunch!



Making lunch for the whole family? Everyone LOVES pizza! It's simple, quick and can be modified to suit everyone's tastebuds.

\*Complete steps 1-4 on your own and when it comes to cooking make sure you get an adult to supervise

## Instructions

1. Start with your base: this can be any kind of bread, wrap, pita, rice cake or even a crumpet.
2. Once you have your base, pick your sauce: tomato, salsa, BBQ or a spread of any kind.
3. Pick your toppings: this is where you can get creative and use whatever you like, you could use a range of vegetables, fruits, or cooked meats.
4. Sprinkle on your cheese of choice. The cheese is the glue that holds all the toppings together.
5. \*For this step you will need to be supervised by an adult. Place your Pizzas on an oven tray and pop them in the oven for 5-10 minutes. Watch closely and once your cheese is melted it should be ready to go.
6. Take out of the oven and let cool for 1-2 minutes and ENJOY!

# Scavenger Hunt



How many items can you check off in your backyard? If you can't find everything at home, go for a walk and continue to check things off the list. For an extra challenge, get creative and add some harder items.

<input type="checkbox"/> Butterfly	<input type="checkbox"/> Bug	<input type="checkbox"/>
<input type="checkbox"/> Green leaf	<input type="checkbox"/> Flower pot	<input type="checkbox"/>
<input type="checkbox"/> Wild berry or nut	<input type="checkbox"/> Fly	<input type="checkbox"/>
<input type="checkbox"/> Dandelion	<input type="checkbox"/> Worm	<input type="checkbox"/>
<input type="checkbox"/> Gardening tool	<input type="checkbox"/> Brown leaf	<input type="checkbox"/>
<input type="checkbox"/> Washing line	<input type="checkbox"/> Flower	<input type="checkbox"/>
<input type="checkbox"/> Feather	<input type="checkbox"/> Hose	<input type="checkbox"/>
<input type="checkbox"/> Dog toy	<input type="checkbox"/> Bird	<input type="checkbox"/>
<input type="checkbox"/> Stick or twig	<input type="checkbox"/> Herb or vegetable	<input type="checkbox"/>
<input type="checkbox"/> A piece of bark	<input type="checkbox"/> Tree roots	<input type="checkbox"/>
<input type="checkbox"/> Ball	<input type="checkbox"/> Ladybug	<input type="checkbox"/>
<input type="checkbox"/> Bee	<input type="checkbox"/> Seed or seedpod	<input type="checkbox"/>
<input type="checkbox"/> Grass	<input type="checkbox"/> Ant	<input type="checkbox"/>
<input type="checkbox"/> Rock or pebble	<input type="checkbox"/> Spider's web	<input type="checkbox"/>
<input type="checkbox"/> Cloud	<input type="checkbox"/>	<input type="checkbox"/>



# Build your own board game

## 1. Pick a game style

To start building your game you need to first need to decide what kind of board game you want to build. With so many board games out there, this task does seem a little daunting. However it is not impossible!

Wikipedia has a list of every board game that currently exists.

[http://en.wikipedia.org/wiki/List\\_of\\_board\\_games](http://en.wikipedia.org/wiki/List_of_board_games)

Looking at this list for inspiration you can create your own board game and even develop your own unique set of rules.

## 2. Personalise it

After picking the style of your board game, figure out what you want it to look like and the rules. Figuring out the look and rules of your board game will provide you with the ability to carefully craft your perfect board game.

**Think about:**

- does it need a Board
- do player need pieces
- are dice required
- do we need playing cards to play this game

There is no right or wrong, remember this is YOUR game!

## 3. Sketch it out

Using your rules and the theme sketch it out, it can be a detailed or simple as you want. But laying out your ideas on paper will make building game easier in the long run.

## 4. Build the board (if needed)

Not all board games need a board but many do. There are a variety of ways that you can construct your game board, some may be:

### 1) Drawing it out

Using cardboard or paper found around your house you can design your board using simple tools such as pens, pencils, markers, and paint. You could even use glitter!

### 2) Printing it out

Using a computer! You can design a board for your game using a suitable software and print it out!

## 6. Playing Cards

### 1) Hand made cards

Using paper, cardboard or any other household material you can produce your own playing cards. Simplicity at it's finest.

### 2) Printed Out Cards

Another option is to print out your cards. Using Microsoft word (or whatever platform you have where you can be creative) you can design your cards to be printed out on a basic.

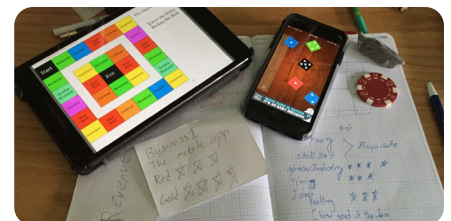
### 3) Virtual Application- Flash Cards

There are a number of flash card apps designed to help people memorize a certain subject. Using this existing technology you can produce your own game cards and cut back on paper waste.

## 5. Find some dice

Here are some ways to get dice for your game:

- 1) Use die from existing board games.
- 2) Smart phone die: The great thing about smart phones is that there are millions of applications, that turn your smart phone into dice.
- 3) Make something that can be used as a dice. It could have 2,4,6 or however many sides as you like.



By this point you have all the pieces for making your own board game.

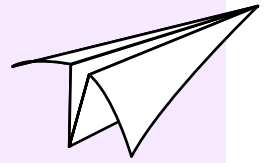
☐ The Rules ☐ The Board ☐ Player Pieces ☐ Dice ☐ Playing Cards

The idea is to make your own game fun and enjoyable without heading to the store. Be as creative and innovative as you can be when you build your very own board game.



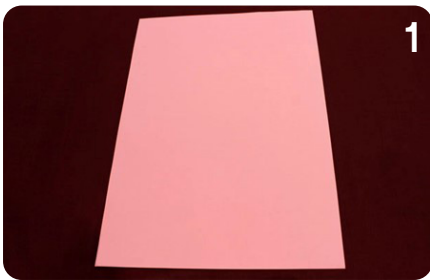
# Paper Plane Races

Get all the members of your household to create their very own paper plane and create a series of competitions. Fastest plane, coolest trick, most creative. The ideas are endless! Here are some suggestions to get you started, but get creative and try different things and see what works best.

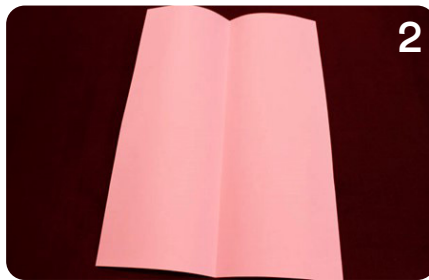


## Plane 1

This paper plane flies quite a bit like a regular dart. But its striking looks make it much more fun. Plus, you get two pairs of wings – front and back – that you can modify!



1  
Rotate your paper so it's tall, not wide.



2  
Fold it in half down the middle, and then unfold.



3  
Fold the top corners down, so the top left and right edges of the paper meet the crease down the middle.



4  
Turn the paper over.



5  
Without creasing the paper, bring one of the diagonal folds to the centre fold. Untuck the top layer of paper so it sticks out, and then flatten the crease.



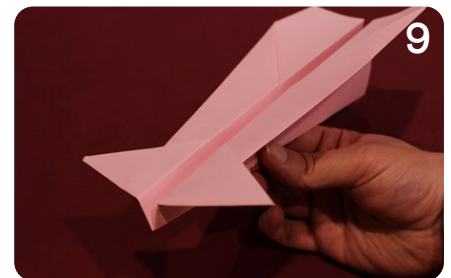
6  
Repeat on the other side. You should now have a diagonal square at the top of your paper.



7  
Turn the paper over.



8  
Fold the top down, so the square gets folded in half.

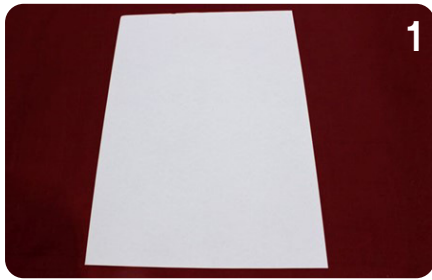


9  
Fold the plane in half and then fold the wings down and out.

In the plane photographed, wing folds run about a centimetre from the centre line at the nose, to about four centimetres at the rear of the plane. Experiment with the wing size to see what flies best!

## Plane 2

This is a fun design to experiment with! You can give the plane bigger wings to float more, or fold over the front edge to make the nose heavier. Make a few adjustments and see which modifications work the best.



1

Rotate your paper so it's tall, not wide.



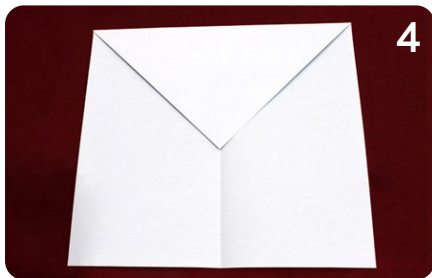
2

Fold it in half down the middle, and then unfold.



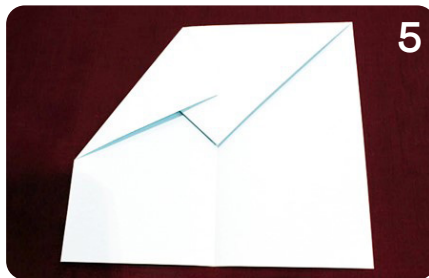
3

Fold the top corners down, so the top left and right edges of the paper meet the crease down the middle.



4

Your paper should look a bit like a house, with a triangle 'roof' folded on top of a rectangle. Put a fold between the triangle and rectangle sections, so the triangle is on top of the rectangle.



5

From the point of the triangle, go up about three centimetres, on the centre fold. You might want to mark this spot. Take the top left corner of the plane and bring it to the spot and then flatten the fold.



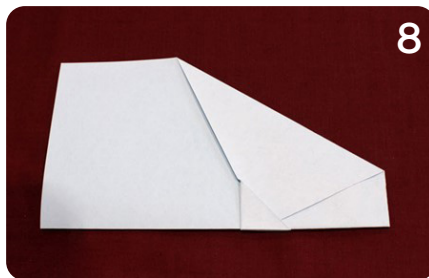
6

Take the top right corner and bring it to the spot too, to make the plane symmetrical. Flatten the folds.



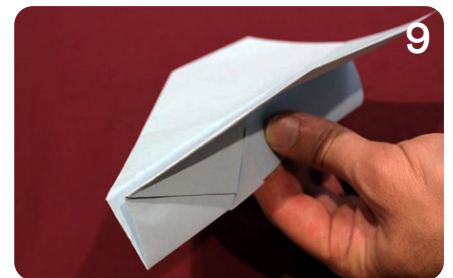
7

Time for the lock! Take the point of the triangle, and fold it upwards to lock the last two folds in place.



8

Fold the plane in half along the centre line, with all the folded paper on the outside of the plane.

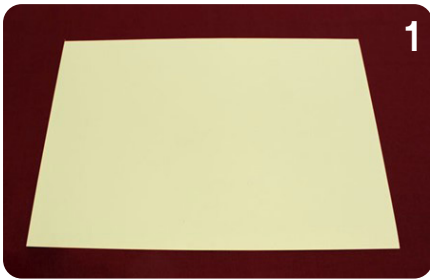


9

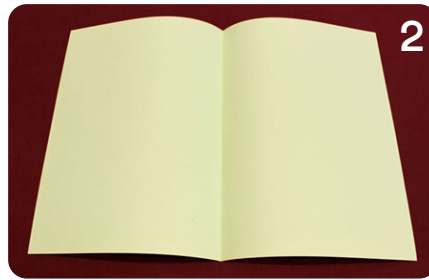
Fold the wings down then out. In the plane we photographed, the wings are folded with the creases about two centimetres from the centre line on each side.

## Plane 3

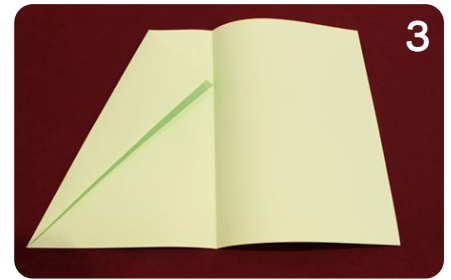
This paper plane isn't very fast, but with practice and adjustment, you can make it do loops!



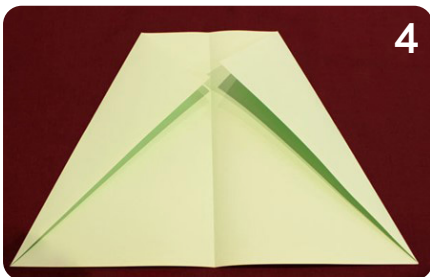
Rotate your paper so it's wide, not tall.



Fold it in half and unfold to get a centre crease.



Here's a tricky step! Fold the left top corner down so it touches the centre line. At the same time, make sure the crease goes through the bottom left corner.



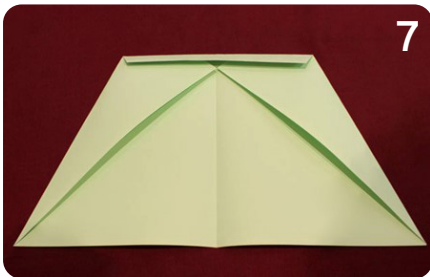
Now, fold the right top corner down so it touches the centre line. At the same time, make sure the crease goes through the bottom right corner.



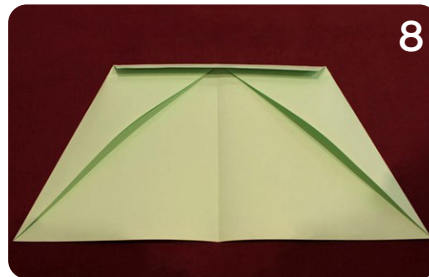
Fold the top edge over, about a centimetre down.



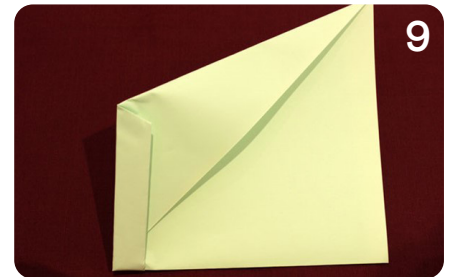
Fold the top edge over a second time.



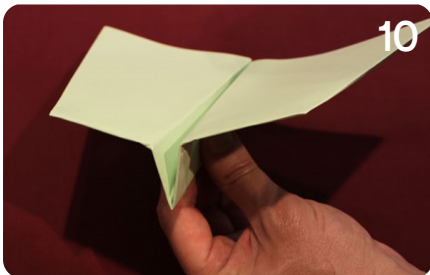
And a third time.



And a fourth time.

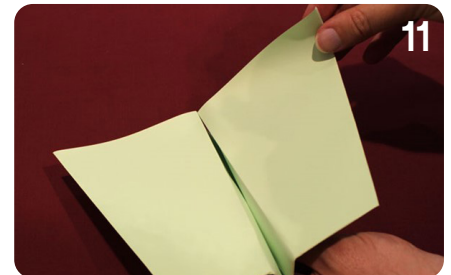


Fold the plane in half down the centre line.



Fold the wings down, then out.

In the plane shown here, the wings are folded with creases about two centimetres from the centre line on each side. This will make the wings quite big. Try adjusting the wings to be bigger or smaller to work out which flies or loops the best!



Bend up the back edge of the wings to get some lift.