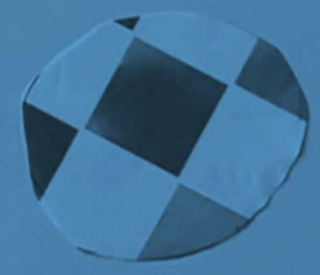




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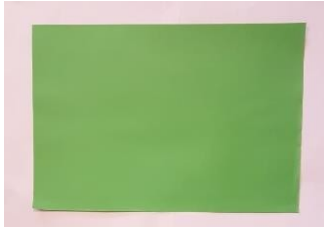
*Instructions*

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Instructions**

# Hybrid Jumping Origami Frog

## 1 .Make a square

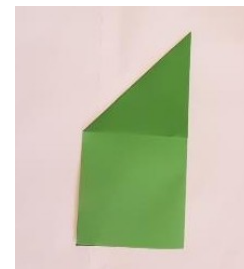
Start with a sheet of A4 paper – fold one corner down to meet the opposite side, lining up the two straight edges. Forming a triangle shape. Draw a line at the bottom of the triangle, open the paper up again and cut along the drawn line. You will have a square shape of paper to work with now.



## 2. Fold the square in half

3. Fold the top down to the opposite edge again as if you are making a square shape, then unfold.

4. Fold the opposite corner down as if making a square shape again then unfold. You should have a cross folded into the top of your rectangle.



5. Find the middle of the cross, and fold the top of the rectangle down to make a fold through the middle of the cross. See photo below. Now bend that fold backwards, and unfold.

6. From behind the paper, push the fold just made forward to form a roof top shape at the top of the rectangle. This point at the top is the nose of the frog.



7. The triangle that has been formed at the top has flaps on each side, fold these up as shown see photo below. These folds form the front legs of the frog and do not have to be perfectly even or aligned, they are supports to hold the head up. If you turn it over your frog now has two front legs and a head.



7. Turn the frog back over. Fold the bottom of the rectangle up to meet the bottom of the triangle just formed.

8. Fold both sides of the frog into meet in the middle, making the frogs body thinner.



9. Fold the frog in half from top to bottom, taking the point of the nose to touch the middle of the bottom, then unfold. This has made a fold in the middle of the frog.

10. Fold the bottom of the frog up to the middle fold, this will allow you to roll the bottom section of the frog up completely under the head section. Unroll.

11. Take the bottom fold line and fold it backwards. This will form the back legs into a zigzag fold shape providing the spring for the frog to jump.



12. Pressing down the springy legs gently in the middle of the bottom fold, see photo below. Now your frog should jump wildly around the room.

**Happy jumping!**



## Frog Facts

- They are amphibians.
- They typically lay their eggs in the water, and a group of eggs is called frogspawn.
- A group of frogs is called an army.
- Tadpoles have no lungs, they have gills, they grow lungs before they mature.
- Frogs don't drink water – they soak it into their body through their skin.
- They breathe through the nose and their skin.
- They need to live near water as their skin must constantly be moist. If it dries out the frog dies.
- Their eyeballs assist them in swallowing food – they push the food down their throat by pushing down their eyeballs.
- Their vision field is almost 360° so they can see all that is around them all the time!
- Frogs can hibernate. In extreme conditions they can also enter a state called torpor which can last for months.
- There are 6000 species of frogs worldwide, with 220 species in Australia.
- Ecuador has the most frog species in the world with over 700 species while there are no frogs in Hawaii.
- The largest frog in the world is the Goliath Frog which is 32cm long, and the smallest frog is the *paedophryne amanuensis* species. They are only 7.7mm long.



# Crossword quiz

## Across

2. Sequence of changes a living thing goes through as it grows and develops
6. Large number of eggs produced by fish, frogs, and other water animals.
8. Transition animal between tadpole and frog
11. Meat eaters
12. Transition animal between tadpole and frog
13. Transition animal between tadpole and frog
14. Sleep through the winter to save energy

## Down

1. Cell that can develop into a new individual after fertilisation.
3. A small jumping animal with smooth moist skin
4. A small jumping animal with smooth moist skin
5. To be without a tail
7. Animal that spends part of its lifecycle in water and part of its lifecycle on land
9. Aboriginal myth frog, very greedy
10. Largest frog in the world
12. A state of suspended movement or feeling, as in a dormant animal.

