



YARRA PLENTY
REGIONAL LIBRARY

School Holiday Program

School Holiday Program



ACTIVITY VIDEO SCHEDULE

Tune to Yarra Plenty Regional Library's facebook page to follow our easy and fun videos.

 @yarraplentyregionallibrary

Date	Branch	Activity
Monday 29 June 2pm	Mill Park Library	Winter House
Tuesday 30 June 2pm	Watsonia Library	Make a Model Plane
Wednesday 1 July 2pm	Rosanna Library	Do you want to build a snowman?
Thursday 2 July 2pm	Whittlesea Library	Louise and Lenny Lady Bug Craft
Friday 3 July 2pm	Diamond Valley Library	Worm Farms
Monday 6 July 2pm	Ivanhoe Library	The Lovely Lion
Tuesday 7 July 2pm	Thomastown Library	Make Screentime count - try some Citizen Science Projects
Wednesday 8 July 2pm	Eltham Library	Crazy Catapults
Thursday 9 July 2pm	YPRL Online	Cut up poetry
Friday 10 July 2pm	Lalor Library	Corner Bookmarks

School Holiday Program

ACTIVITY #1 Winter House

Video:
Monday 29 June
2pm



You will need:

- Printable Template (2 Pages)
- Scissors

Textas/Coloured Pencils

Optional: Cereal box, glue-stick, sticky tape and coloured paper
(if you want to make the backdrop.)

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Instructions:

STEP ONE:

Print out the two Winter House templates, one of the Winter House, and the other of the family, animals, snowman and sled.

Hint 1:

If you're using regular printer paper it can be a bit flimsy to stand up on its own. Here's how to make the paper a bit thicker and more robust. Print the Winter House page and lay it face down on the bench. Cover the back with glue from a glue-stick and place a second blank page over the printed page. Press down firmly and leave for a minute or two to dry. Now your paper is double thickness and, with some cleverly placed folds, will stand up on its own.

STEP TWO:

Now you can colour in your house and figures using textas or coloured pencils. (If you choose not to that's perfectly fine. Black and white is very stark and wintery!)

STEP THREE:

Now it's time to cut your shapes out. Before you cut the Winter House check out Hint 2.

Hint 2:

You will see on the page that there are some dotted lines along the bottom of the scene and across the top. These dots indicate where you FOLD the page. If you cut around the scene first, you will cut off all the dotted 'fold here' marks which might make folding a bit tricky. If you fold the page first, then cut out the scene you might flatten the folds a little bit, but you'll still be able to see where they are, and you can press them down again once you've cut it out.

If you do cut the house out before folding that's ok. Fold along the line of the outside wall, the line from the highest point of the roof to the floor, the other outside wall and halfway between the outside wall and the tree. That should give you four folds, in the right places. Once you have folded it and cut it out, the zig-zagging folds should help it stand up by itself.

Cut out the rectangular shapes for the family, cat and snowman and fold them in half to make them stand up. The sled and the dog have dotted lines so they will need to be folded into shape, just like the house. Now all you need is some imagination!

STEP FOUR:

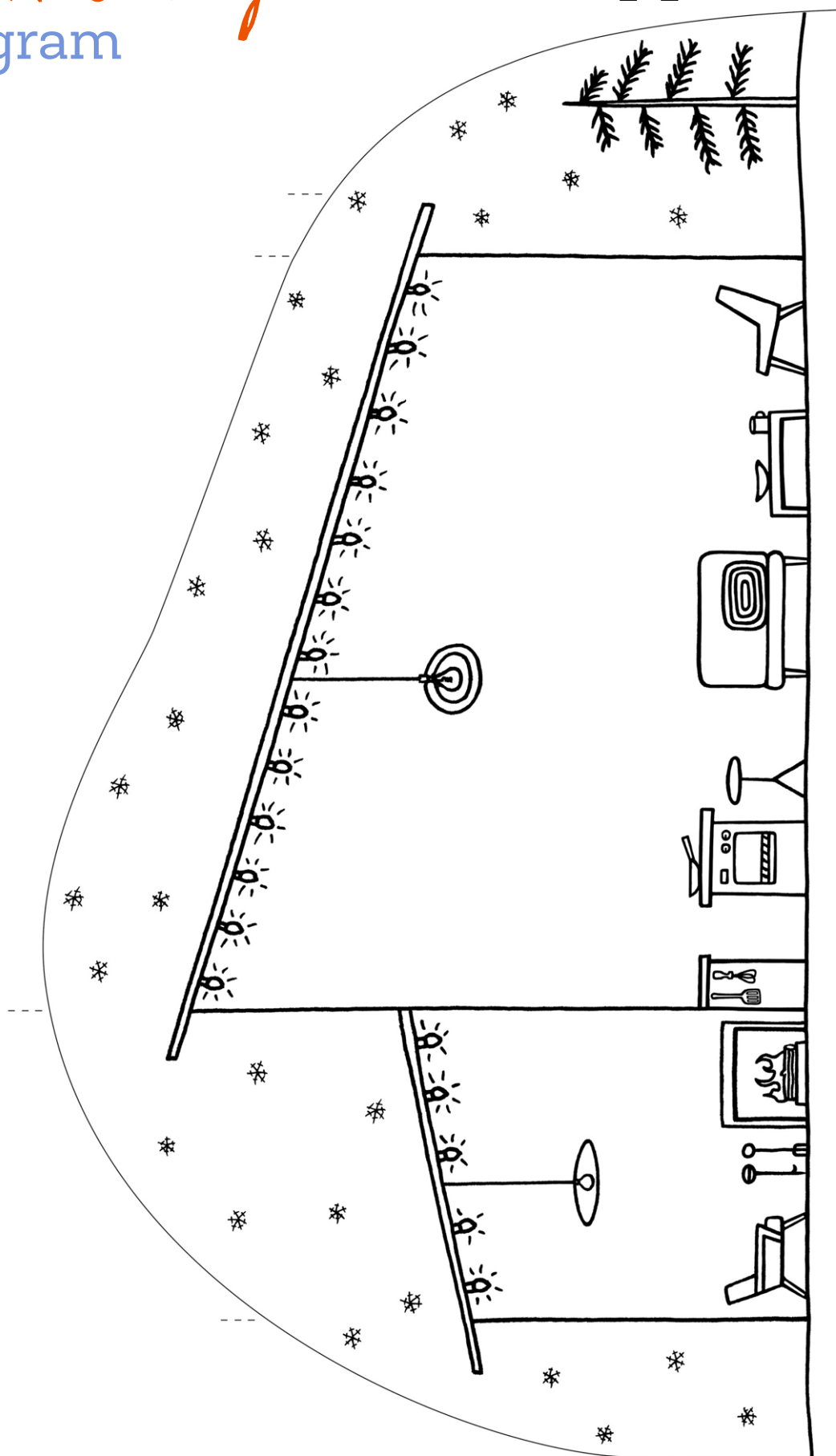
If you'd like to make a backdrop (like the one in the video) you'll need some coloured paper, (grey and white if you want to make mountains with snow, or green and brown if you want to make trees) a cereal box, a glue-stick and some sticky tape.

Hint 3:

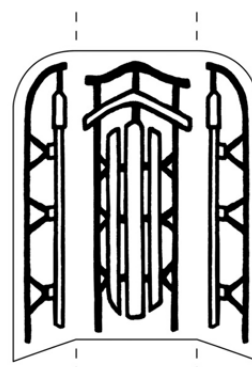
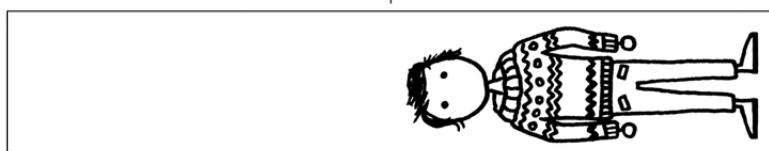
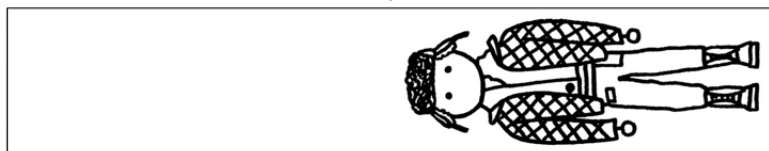
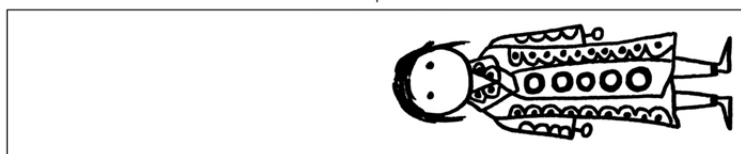
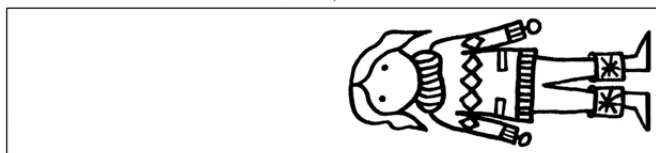
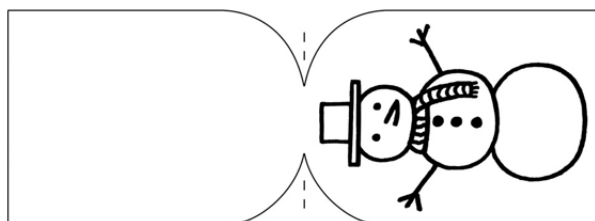
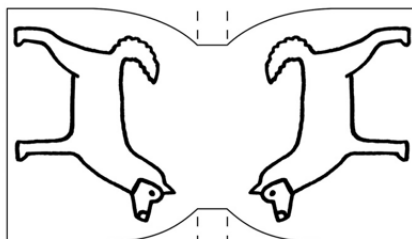
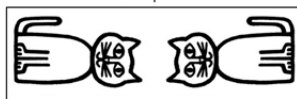
If you don't have coloured paper, you can either make your own with white paper and textas or colouring pencils. Cut around the edges of the cereal box to open it out flat, then cut the edges off, leaving you with two large cardboard rectangles and the connecting edge. Reinforce the folds with some sticky tape and cover with white paper as a background.

Make some mountains and/or trees and don't forget to make them big enough to see over the top of the Winter House. Stick them to the top piece of cardboard, which will become the back when you fold it. Fold the cardboard in half into a right angle (like a letter L.) Put a piece of sticky tape on an angle on the back and attach it to the bottom to act as a brace. This should hold your cardboard backdrop in position. That's everything you need to make a Winter House and a backdrop

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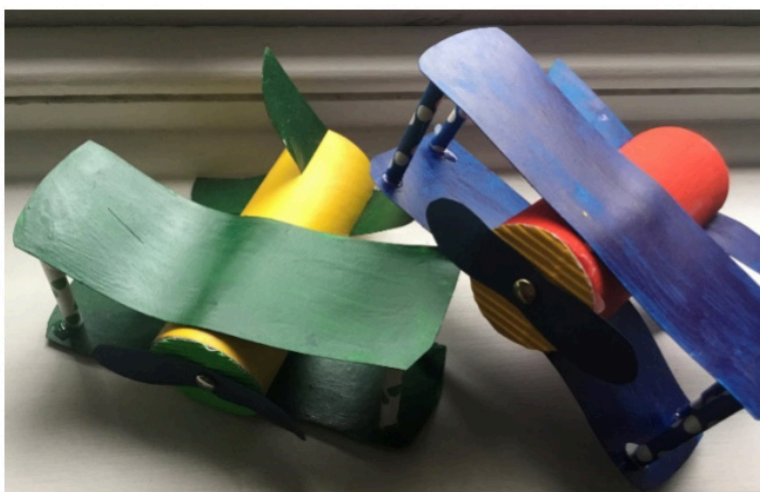


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ACTIVITY #2 Make a Model Plane

Video:
Tuesday 30 June
2pm



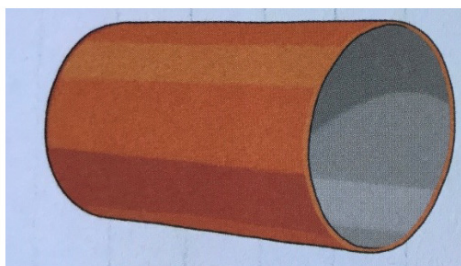
You will need:

- One Carboard Tube (such as a toilet roll)
- Cardboard (such as a cereal box)
- One Split Pin
- Coloured Paper
- Two Straws
- Paint
- Glue
- Water
- Template

Equipment:

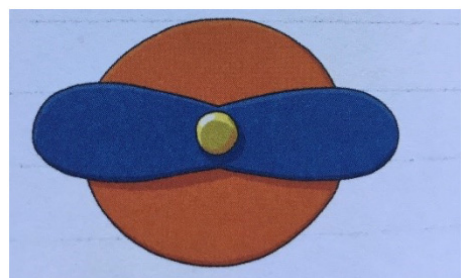
- Drop sheet for table
 - Smock/old clothes
 - Paint Palette
 - Water Dish
 - Paint Brushes
 - Scissors
 - Pencil
 - Skewer
 - Hot Melt Glue Gun
- (PVA glue will work just fine but it might take longer to build as you will need to let the glue dry)*

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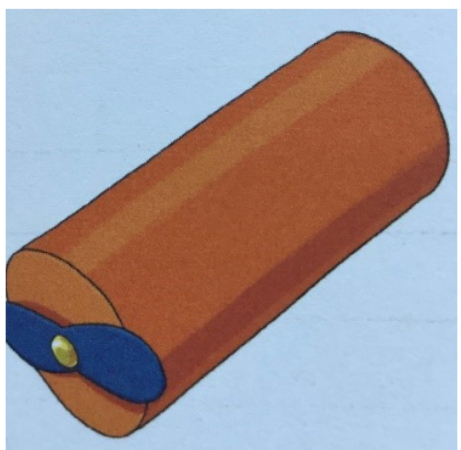
STEP ONE:

For the body of the plane, paint cardboard tube.



STEP TWO:

From thick card cut a circle to fit the top of the cardboard tube. Paint the circle, or, nose of the plane. Then cut a propeller from the coloured paper. Use a split pin to attach the propeller to the circle, as shown.



STEP THREE:

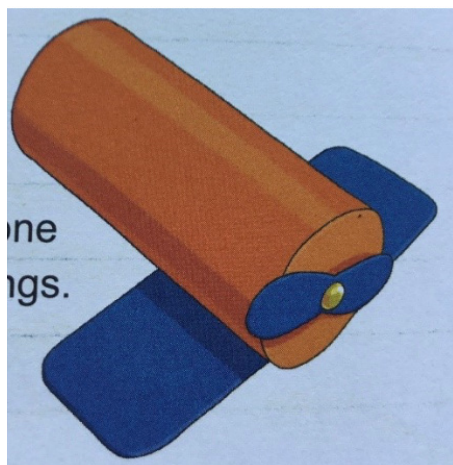
Glue the circle, or nose, to one end of the tube.



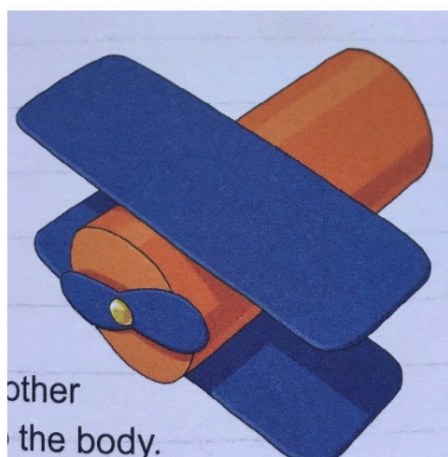
STEP FOUR:

Cut out two rectangles from thick card, for the wings. Cut out three smaller rectangles, each with one curved corner, from thick card. Paint the pieces.

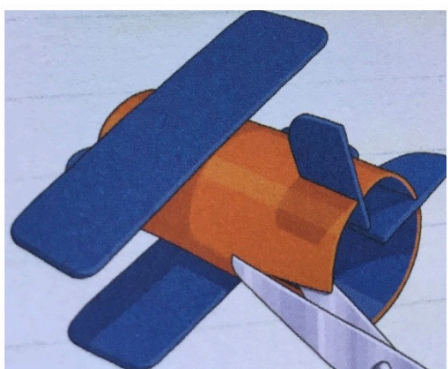
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STEP FIVE:
Glue the body to the wings.



STEP SIX:
Glue the other wing onto the body of the plane.



STEP SEVEN:
Make three slits in the end of the roll. Slot the tail parts into position.



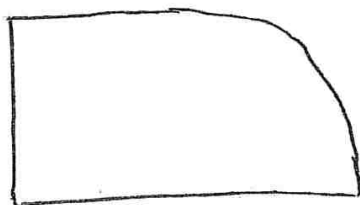
STEP EIGHT:
Glue the tail parts in place. Cut four pieces of straw to fit between the wings.

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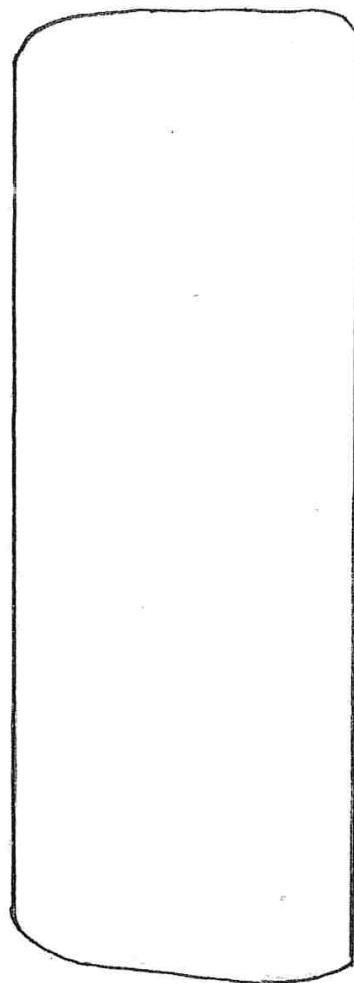
Propeller x1



Tail wings x3



Wings x2



Templates
for Plane
Toilet Roll
Craft

2020

Nose of plane
x1



ACTIVITY #3

Do you want to build a snowman?

Video:
Wednesday 1 July
2pm



You will need:

- Paper to shred or cut. You can use white paper or even newspaper
- Backing paper to assemble the snowman on.
- Scrap coloured paper to make snowman accessories eg. Hat, arms, nose, mouth.
- For eyes you can use googly eyes or paper and for the tummy use Pom Pom's or paper.
- Scissors, glue and a pencil

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STEP ONE:

Cut up paper into thin and small strips



STEP TWO:

Form a snowman shape on your backing paper. (You can trace shapes if you like.)

STEP THREE:

Using plenty of glue stick cut paper strips onto your snowman shape. Starting at the base and working your way up is a good way to build your snowman.



STEP FOUR:

Use your scrap coloured paper to make your snowman accessories. Cut out a nose, mouth, arms and hat. If you don't have googly eyes or pom pom's then use some coloured paper to make these.



STEP FIVE:

Your snowman is nearly ready! Glue on your snowman accessories to make your ideal snowman.

Don't forget, there are lots of different snowpeople you could be creative and make.

ACTIVITY #4 Lenny & Louise Lady Bug Craft

Video:
Thursday 2 July
2pm



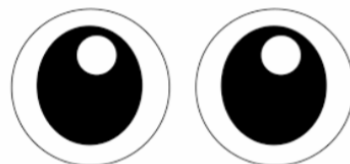
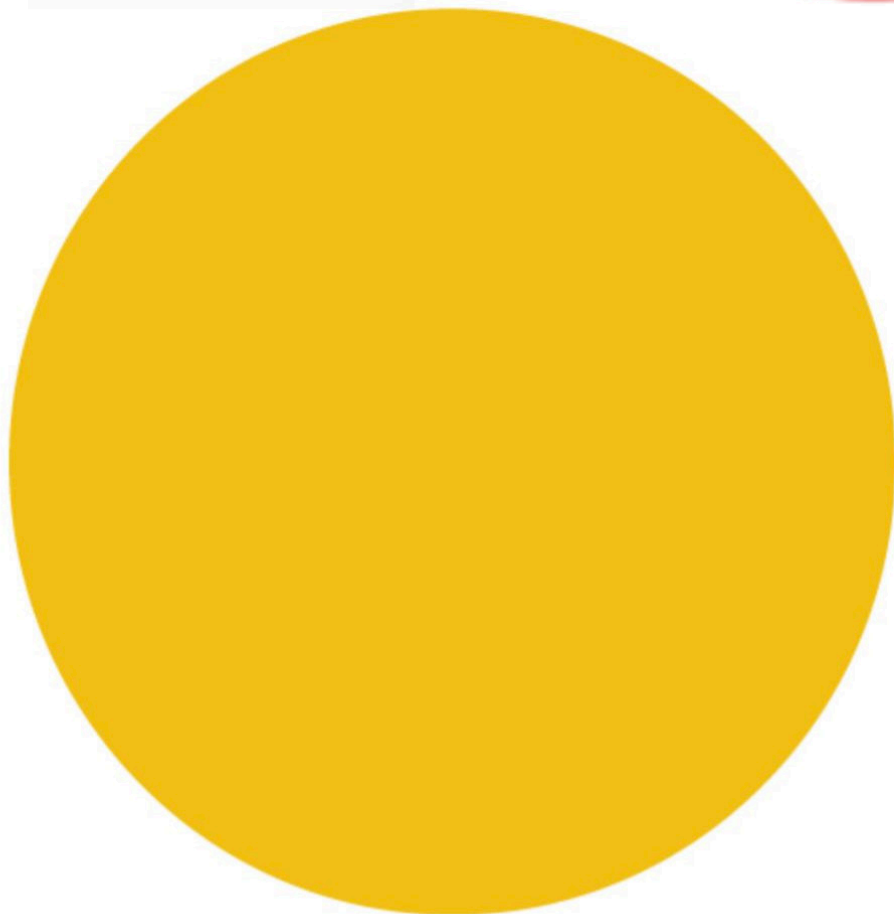
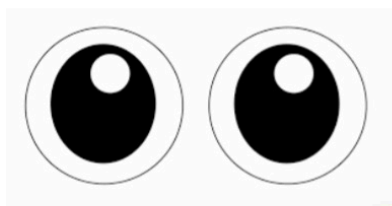
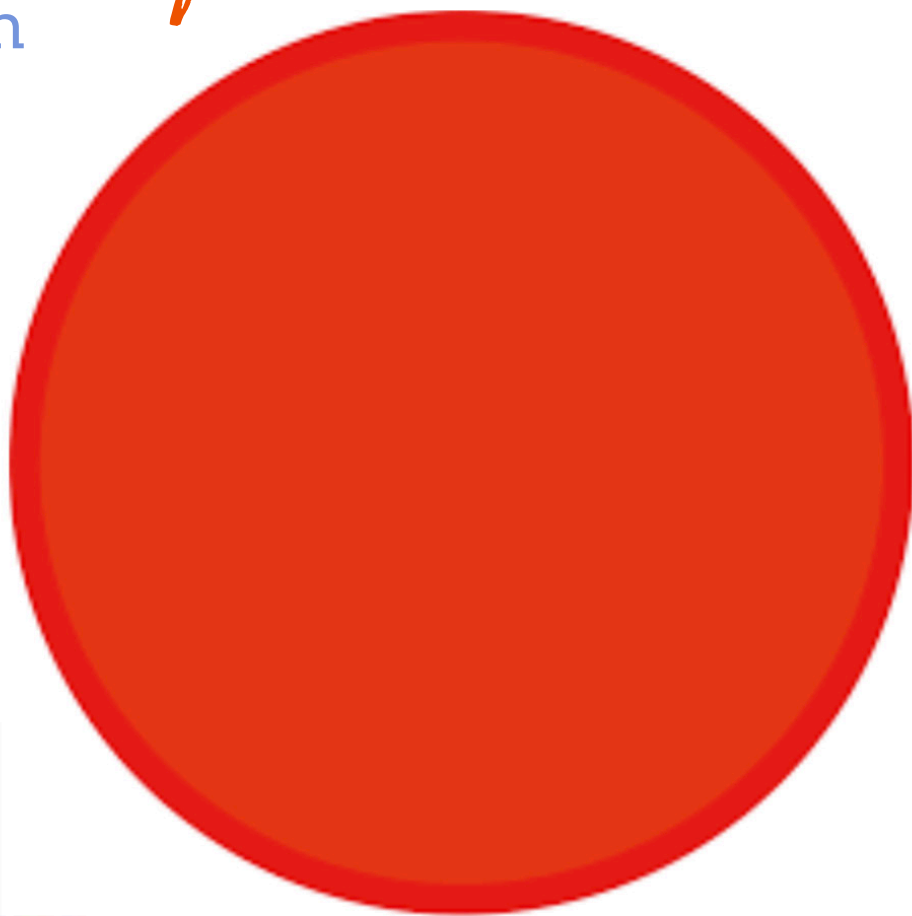
You will need:

- Scissors
- glue stick
- sandpaper or kitchen scourer
- coloured paper or use this template,
- old CD or DVD,
- textas for colouring your black dots.

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Instructions:

Step 1:

This craft you will be using a recycled CD or DVD. Have your CD ready and using a kitchen scourer or sandpaper rough up the cd so the paper will glue easily.

STEP 2:

Then cut out the circles within this template. Use black circle for the head of your ladybird.

STEP 3:

Using glue stick, stick the circles to the CD

STEP 4:

Then cut out the eyes for your ladybird and glue them to the head of the ladybird

STEP 5:

Draw black circles onto the body of your ladybird with a black texta

STEP 6:

Feel free to add to your ladybird, use pipe cleaners for legs or anything you like.

ACTIVITY #5 Make a Worm Farm

Video:
Friday 3 July
2pm



You will need:

- Empty 1 or 2-litre plastic bottle with lid (milk carton, soft drink bottle or similar) – something transparent is best, so you can see your worms
- Soil or potting mix
- Food scraps (vegetables, lettuce, fruit etc.)
- Newspaper ripped into small squares and moistened
- Hay, dead leaves or grass clippings
- Sand (optional)
- 10 to 15 worms

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Instructions:

Step 1:

Turn your bottle upside down so that the lid becomes a tap at the bottom for worm juice. Using a sharp knife, carefully cut a lid out of the bottom of the bottle – leave about 3cm still attached.

STEP 2:

Place a 3cm layer of soil or potting mix in the bottom of the container. Now add a 3cm layer of sand. Repeat this alternate layering of soil and sand until you half fill the container. If you don't have sand, half fill the container with just soil.

STEP 3:

Place a 3cm layer of wet newspaper squares on top of the soil/sand layers.

STEP 4:

Place a 3cm layer of hay, dead leaves, or grass clippings.

STEP 5:

Place a 5cm layer of food scraps torn into small pieces.

STEP 6:

Slowly add about half a cup of water to the container.

STEP 7:

Now it's time to add your worms. Gently place them into the top of your container. You might find native worms in your garden, or you can buy them from your local nursery.

STEP 8:

Keep the lid off your container for air.

STEP 9:

Have fun watching the worms create tunnels, and collect any liquid (worm wee) that drains out of the container for a great fertilizer to use on your garden. Feed the worms after about a week (when they have settled in), and add water every 4 days or so to keep the soil moist.

STEP 10:

Keep the worm farm in a cool shady area.

ACTIVITY #6 The Lovely Lion

Video:
Monday 6 July
2pm



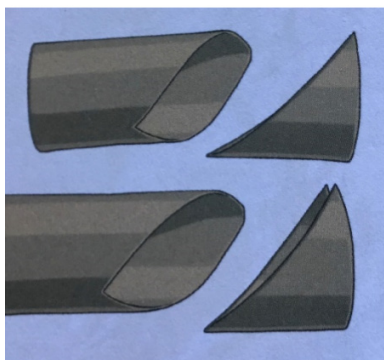
You will need:

- Five Carboard Tubes (such as toilet rolls)
- Cardboard (such as a cereal box)
- Two Googly Eyes
- Coloured Paper (different colours for ears, tail, and mane)
- One Pompom (nose)
- Paint
- Glue
- Water

Equipment:

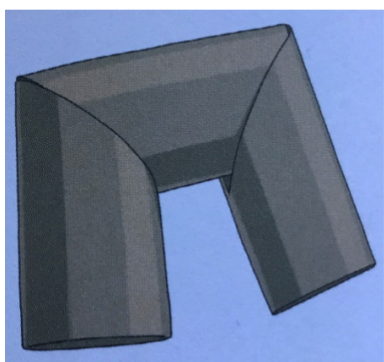
- Drop sheet for table
 - Smock/old clothes
 - Paint Palette
 - Water Dish
 - Paint Brushes
 - Scissors
 - Pencil
 - Marker/Texta
 - Hot Melt Glue Gun
- (PVA glue will work just fine but it might take longer to build as you will need to let the glue dry)*

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STEP ONE:

Cut the corner off one end of two cardboard tubes.
Cut on a diagonal



STEP TWO:

To make the body, glue the tubes to either end of
another cardboard tube, as shown. They should slide
into each other.



STEP THREE:

Cut a ring from another tube. Glue it to the body, to
make the neck.



STEP FOUR:

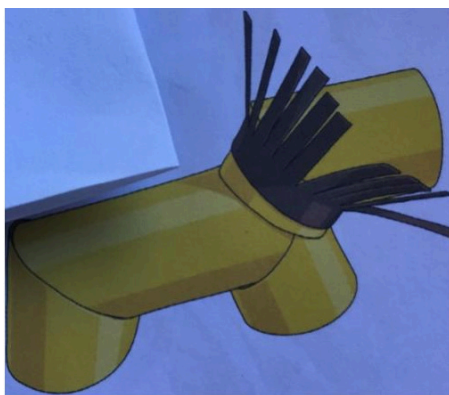
Cut the corner off the last cardboard tube and glue it
to the neck. This is the head. Add a circle of cardboard
to the end of the head. Paint the lion.

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STEP FIVE:

Cut slits along a strip of coloured paper. This will be the mane.



STEP SIX:

Glue the coloured paper (mane) around the neck of the lion. You may need two strips to make a thick mane.



STEP SEVEN:

Add some googly eyes, a pompom nose, and a smile!
Can you hear the lion roar?

ACTIVITY #7

Make Screentime count - try some Citizen Science Projects

Video:
Tuesday 7 July
2pm

What is Citizen Science?

Citizen Science is a type of research project that the general public can participate in. The projects are usually set up and run by universities or research organisations. Public participants ("Citizen Scientists") usually help scientists either by collecting new data, or by analysing existing data.

Many citizen science activities can be done from home on an internet-connected computer. Other projects need to be done outdoors – a good excuse to get out and enjoy some fresh air!

Project 1: Seal Spotter

You may know about Phillip Island's penguins, but do you know it also has lots of fur seals? Fur seals are top predators in the waters around Phillip Island, and is an important part of the local ecosystem.

Seal Spotter is a project started by Phillip Island Nature Park in 2018. Researchers are trying to keep track of the fur seal colony by using drones to take overhead photos of that area. Our job is to help count the different types of seals we can see in the photos.

Web address: <https://natureparksresearch.com.au/sealSpotter/>

Aim: Monitor the fur seal colony around Phillip Island by counting seals shown in aerial photographs.

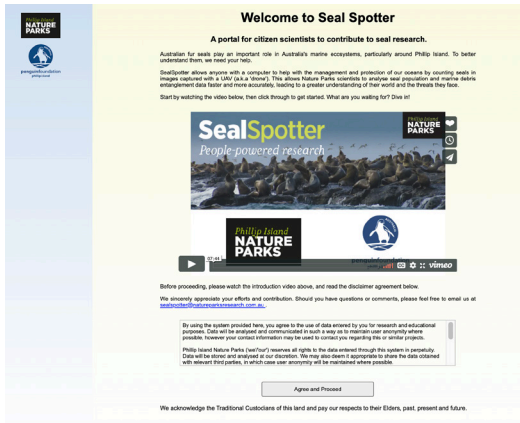
What you will need: A computer / laptop / tablet with internet access
Players need to sign up and create a username and password

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Instructions:

STEP ONE:

Go to the Seal Spotter website at <https://natureparksresearch.com.au/sealSpotter/>

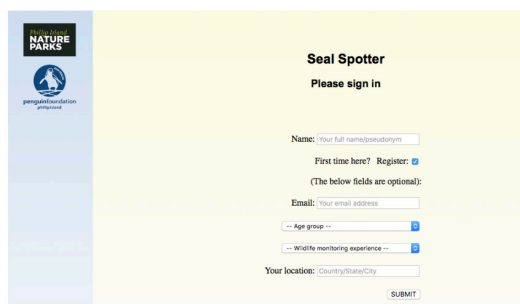


STEP TWO:

Watch the introductory video (7.5 minutes). It gives details about the project, and shows you how to do seal-spotting

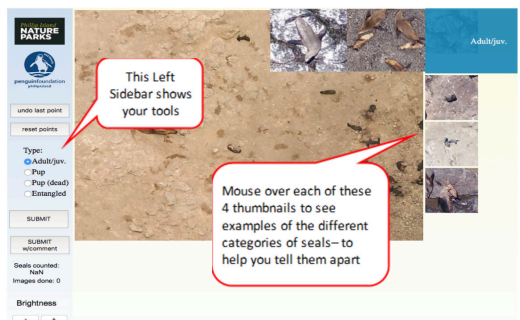
STEP THREE:

Read the Terms and Conditions and click AGREE AND PROCEED



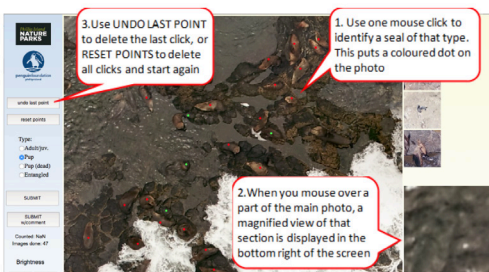
STEP FOUR:

At the Sign In page, choose a username and type into the box (eSmart guidelines for children discourage use of your real name), Check the box next to REGISTER, then click SUBMIT. (It is optional to provide email, age and location details)



STEP FIVE:

Once you have registered, you will see your first photo.



STEP SIX:

To start counting seals, go to the Left Sidebar and click on one type of seal (eg Adult/juv.)

STEP SEVEN:

Repeat for all other types of seals you can see in the photo. Each category shows as different coloured dots. (The red dots above are Adults and green dots are Pups.) When you have counted all of the seals you can find, click SUBMIT to move on to the next photo.

More tips:

- Only count seals that are completely in the photo
- If you are not sure, just make your best guess, or leave it out altogether. The same photo will be checked by other spotters to improve accuracy.

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Project 2: AstroQuest <https://astroquest.net.au>

If you like space, then you might like to help identify new galaxies in AstroQuest. AstroQuest is a project started by the International Centre for Radio Astronomy Research (ICRAR) in WA. It is designed to look and play like a computer game – players complete quests to win trophies.

Web address: <https://astroquest.net.au>

Aim: Help identify new galaxies from radio telescope images

What you will need: A computer / laptop / tablet with internet access
Players need to sign up and create a username and password

Before you start:

Players are required to sign up. This allows the researchers to cross-check your results, and also lets you save the images you have worked on. Click on the REGISTER tab at the top of the screen. You will need to provide your name, address, and email. Then you will be asked to choose a username and password. (Next time you play, go back to the Register tab to Login)

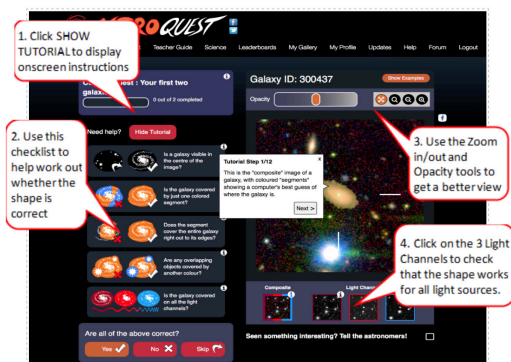
Then go to the HELP tab and watch the video (5 minutes). This tutorial is very helpful, and explains the features of the game, and how to play. (You can watch the video again at any time.)

Instructions:



STEP ONE:

The best way to start as a beginner is to complete quests. Once you are logged in:



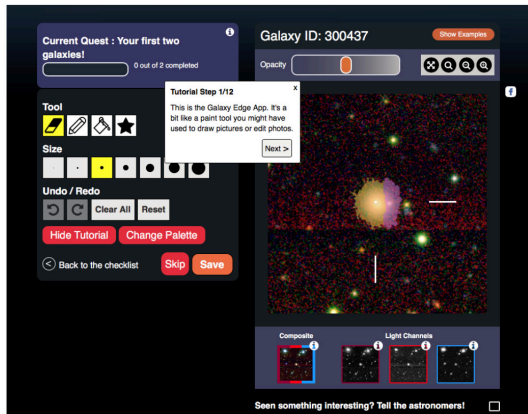
STEP TWO:

After you click Begin, you will see your first galaxy on the right side of the screen. There is a coloured shape drawn on top of the image of the galaxy. Your task is to check that the coloured shape covers the whole galaxy properly.

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STEP THREE:

If you think the coloured shape is correct, click YES. If you think it is wrong, click NO. Click SKIP if you want to try a different one.



STEP FOUR:

If you clicked NO, you will come to a screen with some drawing/editing tools. Use these to improve the coloured shape, then Click SAVE.

STEP FIVE:

Once you have completed checking that galaxy, you will be shown information about what we know about that galaxy. Lots of great info here!

STEP SIX:

Click NEXT GALAXY to move onto the next one. You will earn badges and gain status points as you identify more and more galaxies!

I'm new to Citizen Science, what if I get things wrong?

Researchers know that citizen scientists are not experts. This has been factored into their projects. Just do your best in your task. Results are usually cross-checked by other people to improve accuracy (for example, the same photo may be analysed by other volunteers).

Want more information / project ideas?

Citizen Science is increasingly in the public spotlight. Here's a link to a recent ABC article about some projects related to Australian wildlife

<https://www.abc.net.au/news/science/2020-06-06/citizen-science-projects-ocean-odyssey/12292270>

FrogID (<https://www.frogid.net.au>) and QuestaGame (<https://questagame.com>) are two popular citizen science projects for people who want to help collect data outdoors. They are free apps for phones, available for both Android and iOS. They are designed to be played like games.

Zooniverse (<https://www.zooniverse.org>)

Zooniverse is one of the biggest databases of citizen science projects on the internet. It contains projects from around the world. Users analyse data that has already been collected. The projects are not limited to science – there are projects to do with art, medicine, language, literature and history as well.

ACTIVITY #8 Crazy Catapults

Video:
Wednesday 8 July
2pm



Here is a fun activity you can try at home using materials that you will have in your craft supplies.

When you are finished making your catapult, you can have a competition with other family members to see who can catapult the furthest.

You will need:

- 7 Icy pole sticks
- 5 Rubber bands
- 1 Milk bottle lid
- Tape/Glue/Blu tack to secure your lid
- Pom Pom/ Cotton ball or any other small round object you can find

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Instructions:

Step 1:

First you need to place 5 icy pole sticks on top of each other and secure each end with a rubber band.

STEP 2:

Take the last 2 icy pole sticks place them together secure one end with a rubber band.

STEP 3:

Pull the 2 icy pole sticks slightly apart and place the larger stack of sticks in between the two.

STEP 4:

Crisscross the last rubber band to secure the 2 sticks to the larger stack.

STEP 5:

Glue or tape the milk bottle lid to the top end of the icy pole stick.

STEP 6:

Put your pom pom into the lid.

STEP 7:

Hold the catapult with one hand and use your other hand to pull down on the lid.

STEP 8:

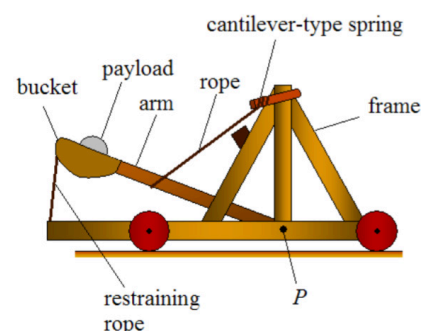
Release and watch your pom pom fly.

This is just one easy way to make a catapult there are many other ways check out the links below to see how many different kinds you can make using household items.

<https://frugalfun4boys.com/popsicle-stick-catapult/> <https://www.wikihow.com/Make-a-Mini-Catapult> <http://www.explorabox.org/activities/engineering/how-to-build-a-catapult/>

“What is a catapult?” According to Wikipedia a catapult is a ballistic device used to launch a projectile a great distance without the aid of gunpowder or other propellants.

In use since ancient times, the catapult has proven to be one of the most persistently effective mechanisms in warfare. In modern times the term can apply to devices ranging from a simple hand-held implement (also called a “slingshot”) to a mechanism for launching aircraft from a ship



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ACTIVITY #9 Cut Up Poetry

Video:
Thursday 9 July
2pm



You will need:

- Scissors
- Glue (or sticky tape)
- blank paper or card
- some old magazines/newspapers/books that you can cut up.

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Instructions:

Step 1:

Cut out words and sentences from whatever you have lying around.

STEP 2:

Mix them all up in a box or in a pile on the table

STEP 3:

Put the words together in new combinations to make a poem or a funny story.

STEP 4:

When you are happy with the combination, stick the words down on some paper.
Well done, you are now a Poet!

Your poem or story doesn't have to make sense it might just be a funny or interesting thing to imagine, or maybe you just like the sound of the words together. The idea of poetry is to create extraordinary feelings or images in your mind out of ordinary words!

BONUS ACTIVITY: you can also follow the steps above but with pictures instead of words!

Did you know? This technique has been used by many well-known artists and writers to create work that is very famous! In French, this technique is called *découpé*

There's also an online version you can try -

<http://www.languageisavirus.com/cutupmachine.php>

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ACTIVITY #10 Corner Bookmarks

Video:
Friday 10 July
2pm

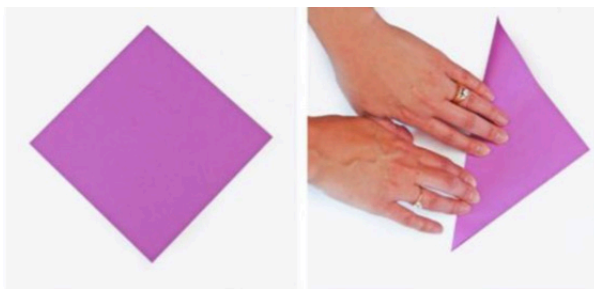


You will need:

- White printer paper (square paper works best)
- coloured paper (square paper works best)
- Coloring Pens
- Scissors
- Glue Stick

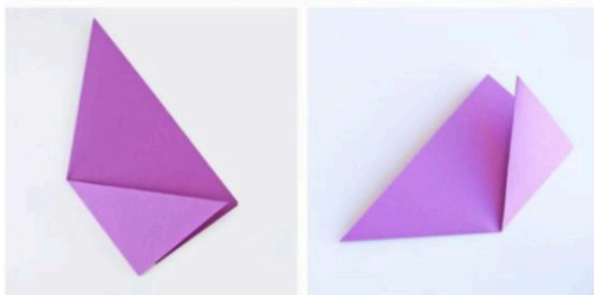
School Holiday Program

STEP ONE:



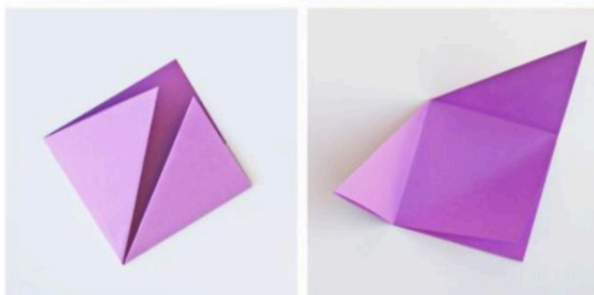
STEP TWO:

STEP THREE:



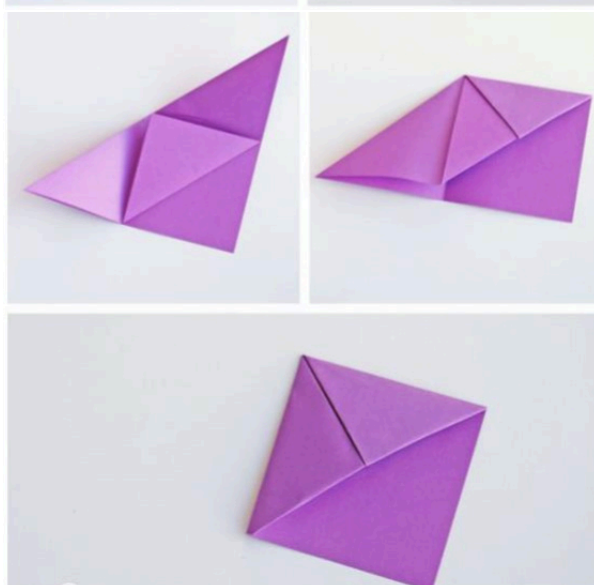
STEP FOUR

STEP FIVE:



STEP SIX:

STEP SEVEN:



STEP EIGHT: