

# ACTIVITY BOOK



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# **CHALK BOARD MAKING**





### **MATERIALS**

- Wooden boards
- Masking tape
- Paint brushes
- Chalkboard paint
- Chalk
- Decorations

For a video on how to make chalk boards click here: https://www.youtube.com/watch?v=psNnpgx1ChY

### **INSTRUCTIONS**

STEP 1: Outline the area to be painted with masking tape, so that the wooden board has a border

STEP 2: Paint with chalkboard paint, and then allow to dry

STEP 3: Remove masking tape and decorate!

# LAVA LAMPS



### **MATERIALS**

- Clear 600ml bottle
- 3/4 cup (195ml) of water
- 2 cups (300 ml) vegetable oil
- Funnel
- Fizzing tablets (such as Alka-Seltzer)
- Food colouring

For a video on how to make lava lamps click here: https://www.youtube.com/watch?v=Ny2QzH\_pr-4

### INSTRUCTIONS

**STEP 1: Pour the water into the bottle** 

STEP 2: Using the funnel, pour the vegetable oil into the bottle until its almost full (wait for the oil and water to separate)

STEP 3:Add 10 drops of food colouring into the bottle

STEP 4: Break 1 fizzy tablet in half and drop half the tablet into the bottle. Watch what happens!

STEP 5: To keep the effect going, add the other half of the fizzy tablet.

### STEP 6:

Shine a flashlight through the bottom of the bottle for a true lava lamp effect

# **BISCUIT DECORATING**



### **MATERIALS**

- Plain biscuits
- lcing (+ food colouring)
- Plastic knives
- Sprinkles, smarties and decorations

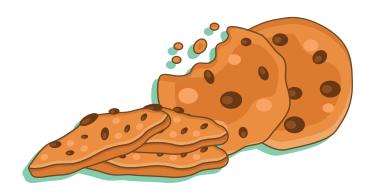
### **INSTRUCTIONS**

STEP 1: Make bowls of different coloured icing

STEP 2: Spread a layer of icing on the biscuit

**STEP 3**: Decorate however you like

STEP 4: Eat!



# **MOOD BOARD MAKING**





### **MATERIALS**

- Magazines
- Pictures
- Textas / pencils
- Boards / thick paper
- Glue
- Scissors

For a video on how to make mood boards click here: https://www.youtube.com/ watch?v=rylCqoFn9II

### **INSTRUCTIONS**

STEP 1: Think of a theme for your mood board

STEP 2: Cut out pictures and place them on your board

STEP 3: Stick down the pictures with glue and write words or phrases around them

# **KALEIDOSCOPES**

### **MATERIALS**

- Coloured beads
- Tape
- 3 strips of mirrored surface
- Black paper circle
- Tracing paper circle
- Glad wrap
- Long paper towel roll
- Small paper towel roll

For a video on how to make kaleidoscopes click here: https://bit.ly/3dWBxXF

### **INSTRUCTIONS**

STEP 1: Lay the 3 mirrors face down and stick together at the back with tape. Then tape them together to make a triangle (make sure the triangle fits inside the cardboard roll)

STEP 2: Stretch some glad wrap over the top of your cardboard roll and tape down around the side

STEP 3: Place this small cardboard roll on top of the glad wrap and then tape it around the side so it stays in place

STEP 4: Pour in some beads so they are sitting on top of the glad wrap.







STEP 5: Stretch some glad wrap over the top of your cardboard roll again and tape down around the side (make sure its stretched tight)

STEP 6: From the open end of the cardboard roll, put in your tracing paper (make sure its sitting flat all the way in)



STEP 8: Stick the black paper on the open end of your cardboard tube

STEP 9: Look through and see all the different colours in your kaleidoscope!





# **CLAY**





### **MATERIALS**

- Newspaper
- Clay
- Wire to cut the clay
- Decorating tools
- Plastic bowls + water
- Gloves
- Pictures with ideas what to make

For a video on how to make clay click here:

https://www.youtube.com/ watch?v=WzzW9PgsFoY

### **INSTRUCTIONS**

STEP 1: Cover your table with newspaper and cut the clay into sections

STEP 2: Put on gloves (if you want to) and grab a piece of clay

STEP 3: Wet your fingers the in the bowl of water and start moulding the clay to whatever shape you want

STEP 4: Decorate using some of the tools or colourful beads

STEP 5: Wash your hands when you are finished, and put your clay down to dry

# KITE MAKING





### **MATERIALS**

- Thick card paper
- Two straws
- Small string (30cm)
- Long string (2.5 m)
- Textas
- Tape
- Hole puncher



### **INSTRUCTIONS**

STEP 1: Decorate and colour one side of the paper with textas

STEP 2: Lay the skewers down in the middle of the plain side of the paper so they form a cross

STEP 3: Carefully tie the two skewers together in the middle where they touch with the long string

STEP 4: Secure down the sticks onto the plain side of the kite paper with tape

STEP 5: Hole punch a small hole at the bottom of the kite and tie the small string through the hole. Tie bows along the small string to decorate!

# **CANDLE JAR MAKING**



### **MATERIALS**

- Empty jar
- PVA glue
- Tissue paper
- Scissors
- Tea light

For a video on how to make candle jars click here: https://www.youtube.com/watch?v=QmnUnqAidXQ

### **INSTRUCTIONS**

Step 1: Take a jar

Step 2: Tear little pieces of tissue paper into different shapes and sizes

Step 3: Using PVA glue and a paintbrush, paint a little section of your jar with glue

Step 4: Place a few pieces of your tissue paper over the glued area

Step 5: Cover your whole jar with tissue paper

Step 6: Add a tea light inside

# STRESS BALL MAKING





### **MATERIALS**

- Empty balloon
- Sand
- Funnel
- Textas / sharpies for decoration

### **INSTRUCTIONS**

Step 1: Take a balloon and fill it with sand using your funnel

Step 2: Tie a knot at the top of your balloon to ensure no sand gets out.

Step 3: Use sharpies to decorate your stress ball

Step 4: Let your decorations dry

Step 5: Squish your stress ball

# **ROCK DECORATING**





## **MATERIALS**

- Rocks
- Paint
- Paint brushes
- Decorating items (googly eyes, grass, leaves)

### **INSTRUCTIONS**

Step 1: Take a rock

Step 2: Brush off all the dust

**Step 3**: Paint your rock in any colour

Step 4: Add facial features onto your rock (googly eyes, teeth, nose etc)

**Step 5: Name your new rock friend** 

# I SPY SENSORY BOTTLE







### **MATERIALS**

- Plastic bottle
- Rice to fill bottle
- Fun items (lego, little animals, beads)
- Sticky tape

For a video on how to make I spy sensory bottles click here: https://www.youtube.com/watch?v=c2-QvV\_cZ1U

### **INSTRUCTIONS**

Step 1: Using a funnel, fill  $\frac{1}{4}$  of the bottle up with rice

Step 2: Add some of your fun items

Step 3: Put the lid on and mix

Step 4: Take the lid off and add a few more items

Step 5: Using the funnel, fill up the bottle with more rice (Do not fill all the way to the top).

Step 6: Add a few more fun items

Step 7: Sticky tape the lid on so you the bottle cannot be opened!

# **GLITTER SENSORY BOTTLE**







### **MATERIALS**

- Plastic bottle
- Hair gel or glycerin
- Warm water
- 2 fun items (lego, little toys, beads)
- Coloured glitter
- Sticky tape
- Plastic bowl
- Plastic spoons

For a video on how to make sensory bottles click here: https://www.youtube.com/watch?v=D7zp7KbxbKY

### **INSTRUCTIONS**

Step 1: In a bowl, combine 1-part hair gel to 6 parts warm water. Let cool completely and settle.

Step 2: Pour gel/water mix into the bottle.

Step 3: Add a little coloured glitter and your fun item.

Step 4: Fill the bottle right to the very top with the remaining mixture.

Step 5: Put on lid and shake to test your bottle. If the items fall too slowly, empty the mixture back into a bowl and add a little more warm water. Let cool again and re-test. If the bricks fall too quickly, mix in a little more hair gel. Let settle and re-test

Step 6: Once you are happy with the flow of your sensory bottle, secure the lid with clear tape

# PAPER MACHE





### **MATERIALS**

- Bowl
- Whisk
- 1 cup flour
- 2 cups water

For a video on how to make paper mache glue click here: https://www.youtube.com/watch?v=ba2ePeEiF2E

### **INSTRUCTIONS**

Step 1: Combine flour and water in a large bowl and stir it well

Step 2: Keep mixing until there are very few lumps left

Step 3: Use a whisk or a hand-held blender to remove any remaining lumps

Step 4: Add more water or flour as necessary until the mix is runny like a white glue, not thick like a paste

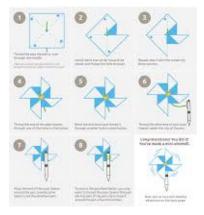
Step 5: Cut newspaper up into small strips

Step 6: Dip into "paper mache glue" (flour and water mix) and stick onto the balloon

Step 8: Allow a few hours to dry!

Step 9: Decorate the following day!!

# **WINDMILLS**



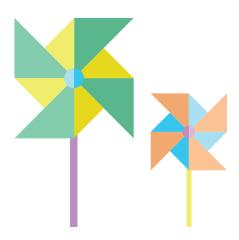




### **MATERIALS**

- Coloured paper
- Scissors
- Glue
- Pins
- Straws
- Sticky tape

For a video on how to make windmills click here: https://www.youtube.com/watch?v=xUpCuwf3JEg



### **INSTRUCTIONS**

- Step 1: Fold your square paper in half to make a triangle. make sure the white side of your paper is in the inside. Press on the fold so it's very flat.
- Step 2: Then unfold the triangle and fold it the other way, so now you have 4 quarters creased.
- Step 3: Cut along each crease, only 6 cm from each corner (don't cut all the way into the centre)
- Step 4: Put a bit of glue in the centre. Take one corner and fold it flat onto the centre
- Step 5: Repeat for every second corner so you have 4 corners glued into the centre (add a piece of sticky tape to help stick all the corners in the centre if you need)
- Step 6: Put your pin through the centre of the windmill and put the pink through the little straw at the back.
- Step 7: Make one side of the big straw flat and put the pin through. sticky tape the pin to the big straw

# **HAIRY HARRY**







### **MATERIALS**

- Googley eyes
- 1 stocking leg
- 1 small handful of grass seeds
- 1 full cup of soil (the video says sphagnum moss)
- Glue stick
- Water
- 1 pot/plastic cup

For a video on how to make hairy harrys click here: https://www.youtube.com/watch?v=LauezfzXA00

### INSTRUCTIONS

Step 1: Take a palm full of seeds and tip the seeds into the stocking

Step 2: Place a 1-2 cups of soil into the stocking.

Step 3: Tie a knot on the top of the stocking.

Step 4: Place the stocking into the pot.

Step 5: Get 2 googley eyes and stick them down on the stocking or pot

Step 6: Decorate the pot plant.

Step 7: Put your hairy harry in the sun and watch it grow.

# **BOUNCY BALLS**



### **MATERIALS**

- 1 tbsp Borax
- 1/2 cup warm water
- 1 tbsp corn starch
- 2 tbsp glue (white or clear)
- 2 mixing cups
- Plastic spoon
- 3-4 drops food colouring



For a video on how to make bouncy balls click here: https://www.youtube.com/watch?v=LmBGA98socg

### **INSTRUCTIONS**

Step 1: Mix 1/2 cup of warm water with 1 tbsp of borax and stir

Step 2: Add 1 tbsp of corn starch to another, seperate boel

Step 3: Add 2 tbsp of glue to the bowl with the corn starch

Step 4: Add a few drops of food colouring and stir

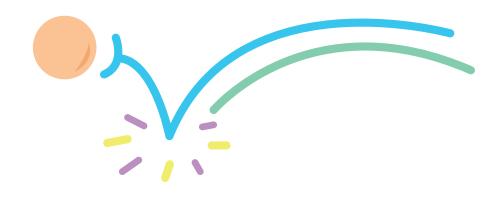
Step 5: Add the corn starch mixture into the Borax solution

Step 6: Begin squishing the ball until it is no longer sticky

Step 7: Shape into a ball and let harden

Step 8: And bounce!





# **SLIME**







### **MATERIALS**

- Bowls
- 1 cup glue
- 1 cup shaving cream
- 1 tsp baking soda
- Food colouring
- Contact lens solution
- Spatula

For a video on how to make slime click here:

https://www.youtube.com/ watch?v=\_clbDffLQtk

### **INSTRUCTIONS**

Step 1: Add 1 cup of glue into a bowl

Step 2: Add a few drops of food colouring to the glue and stir

Step 3: Add 1 cup of shaving cream into the same bowl

**Step 4: Mix together** 

Step 5: 1 tsp of baking soda

Step 6: Mix together

Step 7: Add contact solution (activator). Add in slowly until you get the right consistency.

# **BATH BOMBS**







### **MATERIALS**

- x2 bowls
- 225g baking soda
- 113g citric acid
- 113g corn flour
- -113g epsom salts
- 1 tsp water
- 2 tsp food colouring
- Scents
- 2 tsp essential oil

For a video on how to make bath bombs click here: https://www.youtube.com/ watch?v=J YeSGiNUoQ

### INSTRUCTIONS

- Step 1: Add baking soda to bowl
- Step 2: Add citric acid to the same bowl
- Step 3: Add corn flour to the bowl
- Step 4: Add epsom salts to the bowl
- Step 5: Mix together to ensure it is evenly combined
- Step 6: In another bowl, add water, essential oils and food colouring
- **Step 7: Mix liquid all together in the bowl**
- Step 8: Poor liquid slowly into dry ingredients, mixing in between
- Step 9: Mould together into a round ball

Allow 10-12 hours to set.

# SODA BLASTING SCIENCE EXPERIMENT

# \*\*\*DO THIS EXPERIMENT OUTSIDE\*\*\*



### **MATERIALS**

- Coke
- Mentos (2)



For a video on how to do the soda experiment click here: https://www.youtube.com/watch?v=5irllCKfDCl

### **INSTRUCTIONS**

Step 1: Drop all Mentos in at the same time.

**Step 2: WATCH IT FIZZZZZZ** 

# **FIZZY RAINBOWS**



### **MATERIALS**

- Baking soda
- 2 tbsp vinegar
- Food colouring

For a video on how to make a fizzy rainbow click here: https://www.youtube.com/ watch?v=\_1Prd\_-u9Rg https://www.youtube.com/ watch?v=K9MZFzLlzjo

### **INSTRUCTIONS**

Step 1: Add 4 spoons of baking soda into a bowl

Step 2: Add 2-3 drops of food colouring

Step 3: Add a small amount of water

Step 4: Add 1 extra drop of food colouring to brighten the colours

Step 5: MIX (baking soda shouldn't be very wet)

Step 6: Add tablespoon by tablespoon of vinegar

Step 7: Watch the rainbow come to life

# **MUSICAL INSTRUMENTS TAMBOURINES**



### **MATERIALS**

- 2 paper plates
- Textas/coloured pencils
- Rice
- Stapler



For a video on how to make tambourines click here: https://www.youtube.com/watch?v=8cyJPq5nUKq

### **INSTRUCTIONS**

Step 1: Take 2 paper plates

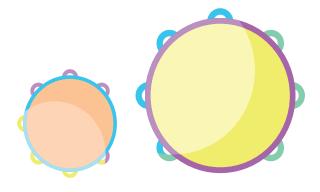
Step 2: Decorate bottoms of both plates

Step 3: Place the plate upwards, so your drawing is on the table

Step 4: Fill this plate with 2 cups of rice

Step 5: Staple the final edges of both plates together

Step 6: You are done! Play some music and have fun!



# **SHAKERS**



### **MATERIALS**

- Plastic bottle
- Lentils/rice
- Cellophane (optional)
- Coloured tape or textas

For a video on how to make shakers click here: https://www.youtube.com/watch?v=fZjywurvgEE

### INSTRUCTIONS

Step 1: Find a plastic bottle and remove the lid

Step 2: Pour 1 cup of lentils into the bottle

Step 3: Cut 1 square of yellow and 1 square of red cellophane

Step 4: Stick the two pieces of cellophane and place over the bottle opening

Step 5: With the bottle lid, close the bottle firmly

Step 6: Decorate the bottle with coloured tape or textas

Step 7: Your shake is complete! Shake your bottle to make some music

# **STRAW INSTRUMENT**



### **MATERIALS**

- 5 straws
- Scissors
- Sticky tape

For a video on how to make straw instruments click here: https://www.youtube.com/watch?v=BaymX3qJRbQ



### **INSTRUCTIONS**

Step 1: Take 5 straws

Step 2: Line the straws up next to each other

Step 3: Cut each straw, one smaller than the next

Step 4: Use sticky tape to tape the straws together (leaving 1cm at the top)

Step 5: Hold your new instrument under your mouth and blow!



# **DIDGERIDOO**



## **MATERIALS**

- 3 toilet rolls
- Sticky tape
- Coloured textas/pencils

### **INSTRUCTIONS**

Step 1: Using sticky tape, stick the 3 toilet rolls together

**Step 2: Colour in your didgeridoo** 

Step 3: Enjoy!