

Activity – Fizzing Colours

Key areas of learning:

- Science

What you will need:

- box of baking soda (also known as bicarb soda)
- small bowl of white vinegar
- medicine dropper (also known as a pipette)
- food colouring
- baking sheet or a messy craft mat

Keywords:

Fizz, bubble, colour names

What to do:

- Begin by sprinkling the baking soda over the baking sheet or mat. Then begin to shake the sheet or mat so the powder is spread evenly
- Use food colouring and put drops all around on the baking soda.
- A drop of vinegar is then added on top of the food colouring
- You can do it on all the colours to watch and listen to them bubble and fizz.

Extension:

- Using different colours and mixing two colours to make one for example blue and red together to make purple
- Spray bottle to work strengthens muscles and hand development skills
- Also using the medicine dropper is good for fine motor skills, pencil grasp and coordination.

Attachments: <https://happyhooligans.ca/baking-soda-vinegar-experiment-for-preschoolers/>



Activity – Oobleck

Key areas of learning:

- Science

What you will need:

- Cornflour
- Cold water
- Shallow pan, bin or baking sheet
- Liquid water colours (food colouring or paint)

Keywords:

Cornflour, watercolours, tray, liquid, solid, hard, soft, drip

What to do:

- Have a generous amount of cornflour onto your baking sheet
- Then Add cold water to the cornflour around after a minute of the children exploring the cornflour on the tray/baking sheet
- As they mix the cornflour with their hands add some more cornflour for consistency
- You will see you will have the right consistency when your Oobleck becomes solid when you push it or squeeze it around the tray and it will release back into a liquid form when you release it.
- Then add some watercolour for a mixture to the cornflour.

Extension:

- Play hide and seek and hide different small objects in the oobleck for your child to search for

Attachments:

<https://happyhooligans.ca/2-ingredient-goop-recipe/>

<https://science-u.org/experiments/oobleck.html>



Activity – Melting Elsa Frozen Hands

Key areas of learning:

- Science

What you will need:

- Latex/Plastic glove
- Food colouring
- Shallow pan
- String to tie the end of the gloves
- Water
- Salt
- Syringe

Keywords:

Frozen Hands, ice, cold, wet, melt, colour names, water, change

What to do:

- Make colour water with your choice of food colouring.
- Fill about $\frac{3}{4}$ of the glove with the coloured water
- Tie the top of the glove with a string (Confirm there's no leakages after you tie the string).
- Refrigerate the gloves overnight on a flat surface depends on how many you make.
- Untie/cut the knot and carefully remove the glove.
- Place the frozen hands in a shallow container
- Spray some water on the frozen hands with a syringe
- Demonstrate how they start dissolving
- Sprinkle salt to fasten up the Melting process.

Extension:

- Add designs such as sprinkle, buttons, and small item to make the glove have a special effect.
- Use different items to freeze water, try adding a toy to the water, guess what the toy is before trying to melt the ice away

Attachments: https://youtu.be/RfSyKY_LRHq



Activity – Lava Lamp

Key areas of learning:

- Science

What you will need:

- Vegetable oil
- Water
- Food colouring - primary colours or neon
- Original Alka-Seltzer tablets
- Tray

Keywords:

Lava lamp, colour names, blob, up, down

What to do:

- Fill up a ½ cup of water with food colouring
- Then take the Alka-Seltzer tablets and break them into 2 or 3 pieces place in a small cup or container.
- Fill a glass about ¾ full of vegetable oil. Then pour in the coloured water until the liquid in the cup is 1-2 inches from the top.
- Do not want it to overflow so place it on a tray for a quick clean up.
- Let the children take turns adding a piece of Alka-Seltzer tablets to the cup/glass ***Don't Let The Children Place The Alka-Seltzer in their mouth**

Extension:

- What happens if you put the cap on after dropping the fizzy tablet in? What if you drop a whole tablet in? When it stops bubbling, try sprinkling some salt into your lava lamp. What happens?

Attachments:

<https://funlearningforkids.com/super-cool-lava-lamp-experiment/>



Activity – Cloud in a jar

Key areas of learning:

- Science

What you will need:

- A large jar (large clear bowl or bottle)
- Shaving cream (not a gel version)
- Food colouring or washable watercolours
- Pipettes or droppers



Keywords:

Clouds, Jar, colour names, foggy, mix

What to do:

- In a small cup, mix the food colouring with some water.
- Fill the large jar with water until it is about 3/4 full.
- Place the jar and the cups of coloured water on the table.
- Place a pipette in each cup of coloured water.
- Right before the kids are ready to do the experiment, spray a bunch of shaving cream in the jar until it is just a small bit above the top of the jar.
- Doing the Rain Cloud in a Jar Experiment
- Ask the kids to pick up some coloured water with a pipette and squirt it on top of the shaving cream cloud. Repeat this step one or two more times, but pay close attention to what is happening below the cloud!
- The coloured water will begin to seep down through the shaving cream and into the water below. Just like rain!

Extension:

- Try different colours- Can you make a rainbow cloud
- What happens if you add extra ingredients- add salt or ice



Attachments:

<https://funlearningforkids.com/rain-cloud-jar-science-experiment/>



Activity – Colour changing flowers

Key areas of learning:

- Science

What you will need:

- White carnations (white daisy's from the garden or light coloured flowers)
- Liquid food colouring in a variety of colours

Keywords:

Flowers, colour names, change

What to do:

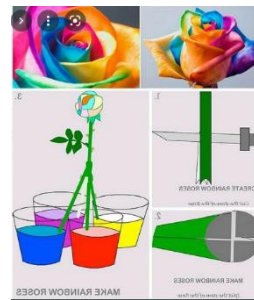
- To start you will want to trim down the stems of the flower so they fit your cups or glasses.
- Add water to each cup.
- Then put about 10-15 drops of food colouring in the water and stir around a bit.
- Add at least one carnation to each glass of coloured water.
- Check in on the flowers every couple of hours and observe any changes.

Extension:

- If you don't have flowers use tissues and link them to the different coloured water cups like in the photo



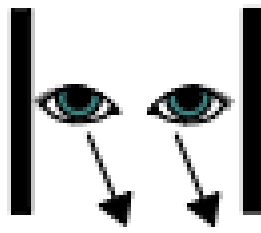
- Can you make a multi coloured flower? Split the stem and divide it into different cups of coloured water.



Attachments:

<https://funlearningforkids.com/color-changing-flowers-science-experiment/>

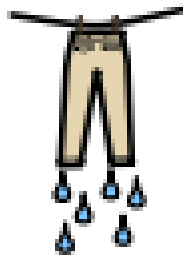




look



dry



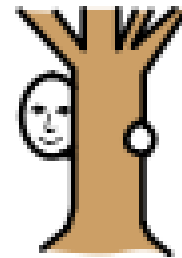
wet



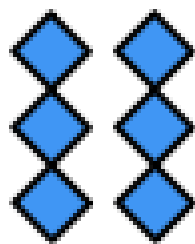
feel



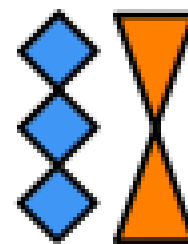
find



hide



same



different



red



blue



green



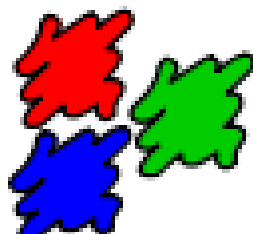
yellow



orange

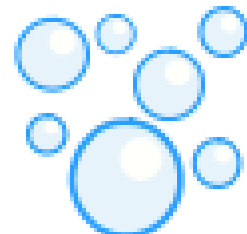


purple

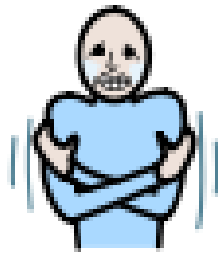


what

colour



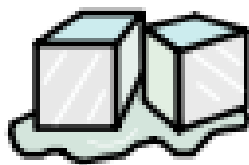
bubbles



cold



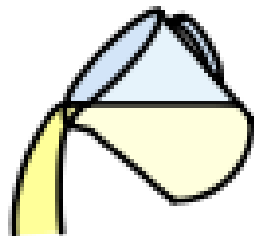
water



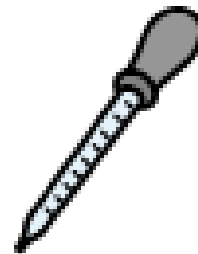
ice



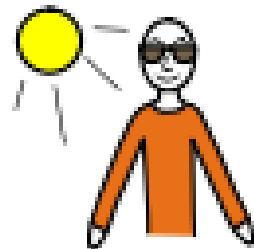
melt



pour



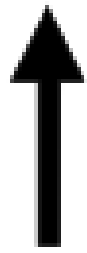
pipette



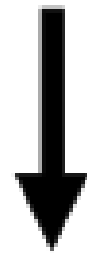
warm



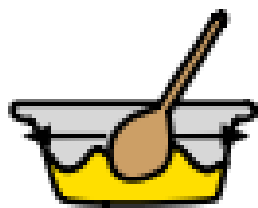
tray



up



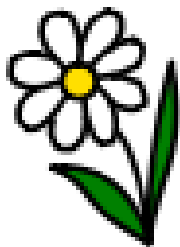
down



mix



add



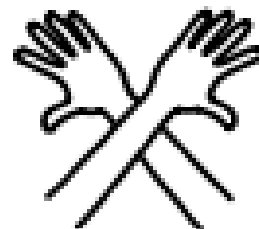
flower



change



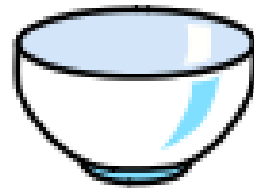
more



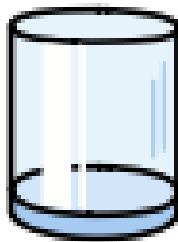
finish



jar



bowl



cup



cloud



shaving foam



slime



blob



bottle