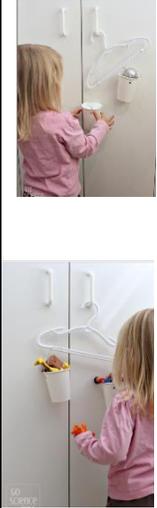




## Science

	Activity	What to do	Useful websites or apps	How to record learning.	Area of learning	Some extra Learning
Monday	<p><u>Crazy cornflour goop</u></p>  	<p>This activity is a bit messy but really fun and hands on; children will love exploring the strange properties of cornflour and how it changes states from a liquid to a solid.</p> <p>For best results use a large shallow container or tray that you can put on the floor. If possible I would place it on a mat or towel that can be easily washed.</p> <p>Then mix the cornflour and water with a little food colouring until you have a slime consistency.</p> <p>Try punching the slime - it instantly turns solid. Roll some slime into a ball in your hand and then stop and watch as it turns back into a liquid.</p>	<p>What you need:</p> <ul style="list-style-type: none"> <li>• Cornflour</li> <li>• Water</li> <li>• Food colouring</li> <li>• Tray</li> <li>• A mat (As it can get a little messy)</li> </ul> <p>Take a look here: <a href="https://www.learning4kids.net/2012/05/02/how-to-make-gloop/">https://www.learning4kids.net/2012/05/02/how-to-make-gloop/</a></p>	<p>Take pictures of your child doing the activity at different stages and bring them into nursery on your return or send them to us at don't forget to ask them to put your name and class on the email heading).  <a href="mailto:Info@ronaldopenshaw.nwham.sch.uk">Info@ronaldopenshaw.nwham.sch.uk</a></p>	<p>Communication and Language, Understanding of the World, Physical development, Personal, Social and Emotional Development, Expressive Arts and Design and Mathematics</p>	<p><b>Bubble Painting</b>  <u>What you need:</u> Tray of water, Food colouring or paint, Straws and Paper.</p> <p><u>What to do:</u> Get an adult to help add food colouring or paint to water in the tray. Use the straw to blow bubbles into the water, then gently lay the paper on top of the bubbles to create different shapes and sizes.</p>  

<p>Tuesday</p>	<p><u>DIY Balance Scales</u></p> 	<p>Hang your coat hanger somewhere where it can swing easily, and is low enough for children to reach. Then use the hole punch to create holes on either side of the paper cups. Cut two equal lengths of twine, and tie onto the paper cup to turn them into two little buckets. You can then ask your child to find different things to fill each bucket.</p> <p>It does not exactly matter what, the more random the better. Ask your child which bucket they think is heavier? You can compare the weight of different toys in size, fruits etc.</p> <p>Next, add your buckets to the hanger, and see which one is the heaviest and therefore hangs lowest. Did they guess correctly? Now ask them to find some more things to test! Can</p>	<p>To make a set of DIY balance scales, all you need is:</p> <ul style="list-style-type: none"> <li>• a children's clothes hanger with notches</li> <li>• 2 x paper cups</li> <li>• kitchen twine</li> <li>• single hole punch</li> <li>• scissors</li> </ul> <p>Take a look here:  <a href="https://gosciencekids.com/diy-balance-scales-toddlers-preschoolers/?utm_medium=social&amp;utm_source=pinterest&amp;utm_campaign=tailwind_tribes&amp;utm_content=tribes&amp;utm_term=850455640">https://gosciencekids.com/diy-balance-scales-toddlers-preschoolers/?utm_medium=social&amp;utm_source=pinterest&amp;utm_campaign=tailwind_tribes&amp;utm_content=tribes&amp;utm_term=850455640</a></p>	<p>Once you have completed your hunt get a grown up to, send a picture of you and your finished groups of objects to the nursery email address (don't forget to ask them to put your name and class on the email heading).  <a href="mailto:Info@ronaldopenshaw.nwham.sch.uk">Info@ronaldopenshaw.nwham.sch.uk</a></p>	<p>Communication and Language, Understanding of the World, Physical development, Personal, Social and Emotional Development, Expressive Arts and Design and Mathematics</p>	<p><u>Feely Bag</u>          You could create your own feely bag, such as an old rucksack, an empty tissue box or cereal box (please no plastic bags) with items in from around the house. (Use a bag that your child cannot see through.)</p> <p>This is a wonderful opportunity for children to explore their senses. Encourage your child to think about texture and descriptive terms for the objects. Are they bumpy, bubbly, coarse or furry?</p> <p>Children can develop a wide vocabulary by thinking about different texture words. You can use this activity to try and match different items. Can you find two objects that are bumpy or two that are smooth?</p> <p>Treasure Hunt You could go on a treasure hunt around your home, searching for metals. You may have a magnet to determine which metals found are magnetic. Not all metals will be.</p>
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		<p>they adjust the contents to balance the scales?</p> <p>You could also help your children write or draw a table of what they have measured and what the results were.</p>	<p><a href="#"><u>35964682_140546</u></a></p>			<p>Perhaps you could use a bag or a box to store all the pieces you have found. What colour are they?</p> <p>You may decide to create your own treasure map with hidden treasure at the end.</p> 
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<p>Wednesday</p>	<p><b>Creating and colour run mixture</b></p>     	<p>Explain to your child that you are both going to carry out a colour mixing experiment and get them involved in assembling the required resources. Encouraged them to ask questions and help deepen their thinking skills by interacting and using open ended questions such as 'I wonder what will happen when...?' 'what do you think will happen when we...?' This will help you child to develop predictions skills that can then be checked later.</p> <p>Let your child observe and talk about what they are seeing. You can video the process and take some pictures too. Record down what your child says because it will be very quick. <i>(Getting the exact words your child says will be easier when you video)</i></p>	<p><u>You will need</u></p> <ul style="list-style-type: none"> <li>• Smarties , m&amp;m's, or skittles sweetie (try not to eat them all)</li> <li>• A plate</li> <li>• Glass of water</li> </ul> <p><u>The process:</u> Place the different coloured sweetie around the plate making just one circle Now with the space in the middle pour the water from the glass and watch the magic happens</p>		<p>Communication and Language, Understanding of the World, Physical development, Personal, Social and Emotional Development, Expressive Arts and Design and Mathematics</p>	<p><b>Volcanos:</b> <u>You will need:</u> lemons/lemonade or vinegar, bicarbonate soda, food colouring and bowl. <u>What to do:</u> Encourage your child to pour vinegar/lemonade or lemon juice into a bowl with the bicarbonate of soda and observe what happens next. To make this experiment a little more exciting try adding a little food colouring (powdered is best). Adults then can encourage children to talk about their observations and describe what they can see and what they think happened.</p>  
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<p>Thursday</p>	<p><u>Secret Messages Science and Literacy Activity</u></p> 	<p><b>The method to make the "secret messages":</b></p> <ul style="list-style-type: none"> <li>- Cut the lemon in half and squeeze the lemon juice out. Then use the ear bud and write a word on the paper then leave it to dry.</li> <li>- The children receive the piece of paper with the word/shape on and use the flash light to trace the word/shape and see if they could write it correctly.</li> </ul> <p><b>The science behind this activity:</b>                  The acid in the lemon juice weakens the paper where the message has been written. When you shine a light on it, it creates a tiny bit of heat and makes the acid "shine".                  Use this secret message activity to practice spelling sight words, discover phrases or new words etc.</p>	<p><b>To create the secret messages, you will need:</b></p> <ul style="list-style-type: none"> <li>• A lemon</li> <li>• Bowl</li> <li>• Earbuds</li> <li>• Paper</li> <li>• Knife</li> </ul> <p>Find out more here:  <a href="https://www.teach-mommy.com/secret-messages-science-literacy/?utm_medium=social&amp;utm_source=pinterest&amp;utm_campaign=tailwind_tribes&amp;utm_content=tribes&amp;utm_term=332321322_10130980_15722">https://www.teach-mommy.com/secret-messages-science-literacy/?utm_medium=social&amp;utm_source=pinterest&amp;utm_campaign=tailwind_tribes&amp;utm_content=tribes&amp;utm_term=332321322_10130980_15722</a></p>	<p>Once you have created a painting or a piece of squidgy art work get a grown up to, send a picture of you and your creation to the nursery email address (do not forget to ask them to put you name and class on the email).  <a href="mailto:Info@ronaldopenshaw.nwham.sch.uk">Info@ronaldopenshaw.nwham.sch.uk</a></p>	<p>Communication and Language, Understanding of the World, Physical development, Personal, Social and Emotional Development, Literacy, Expressive Arts and Design and Mathematics</p>	<p>Have a watch of some science experiments on Cbeebies.</p> <p><a href="https://www.bbc.co.uk/cbeebies/watch/do-you-know-top-5-special-camera-moments">https://www.bbc.co.uk/cbeebies/watch/do-you-know-top-5-special-camera-moments</a></p> <p><a href="https://www.bbc.co.uk/cbeebies/watch/messy-goes-to-okido-how-do-magnets-work?collection=science-activities">https://www.bbc.co.uk/cbeebies/watch/messy-goes-to-okido-how-do-magnets-work?collection=science-activities</a></p> <p><a href="https://www.bbc.co.uk/cbeebies/watch/messy-goes-to-okido-what-makes-a-rainbow">https://www.bbc.co.uk/cbeebies/watch/messy-goes-to-okido-what-makes-a-rainbow</a></p>
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<p>Friday</p>	<p>Floating and sinking</p> 	<p>Get your large container (e.g. a bowl or plastic box) and fill it with water. Then get your child to collect a range of objects from around the house obviously something you won't mind getting wet.</p> <p>Then get the adult to demonstrate the words 'sink' and 'float'. Encouraging your child to repeat after you or to prompt them so they can take a guess.</p> <p>Then get your child to take it in turns to drop an object into the water - after guessing whether it will sink or float.</p> <p>You could even write large signs that clearly say FLOAT OR SINK. You can even encourage your child to copy the signs. Each time an item floats or sinks allow your child to point out what word they have seen.</p>	<p><b>What you will need:</b></p> <ul style="list-style-type: none"> <li>• Waterproof toys or objects</li> <li>• A container to do the experiment in ... i.e. plastic tub, bath, pot, bucket etc.</li> </ul> <p>Here is a useful link to further help the activity.  <a href="https://happyhologigans.ca/sink-or-float-experiment-preschoolers/">https://happyhologigans.ca/sink-or-float-experiment-preschoolers/</a></p> <p>Take a look here:  <a href="https://www.bbc.co.uk/cbeebies/watch/messy-goes-to-okido-why-do-things-sink-and-float">https://www.bbc.co.uk/cbeebies/watch/messy-goes-to-okido-why-do-things-sink-and-float</a></p>		<p>Communication and Language, Understanding of the World, Physical development.</p>	<p><u>Cloud Writing</u></p> <p>Fill a tray with shaving cream (use hair conditioner if you can't use shaving cream) allow your child to write letters. You can even guide them with the first letter of their name. The first letter of your name in the clouds.</p> 
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**DIY catapult**

**What you need:** cardboard tube, large elastic band/hair band, wooden spoon and Safety goggles (optional)

**What to do:**

Keep a look out in your recycling bin for a sturdy cardboard tube (one that is thicker than a standard toilet roll). If you cannot find a sturdy cardboard tube, you can also use another cylinder object, like a rolling pin. Loop the elastic band over the cardboard tube twice. Find the spot of where the elastic band crossed over and makes a X.

With the wooden spoon perpendicular to the cardboard tube, insert the handle of the wooden spoon under the X, and slide through until approximately halfway.

Now you have a basic lever catapult! The next step is to find a projectile. A scrunched up piece of paper would be a great object for indoors.



This activity can also be done outdoors and try experimenting with different objects to see how far or high they will go.



**Balance the Forces Shape Mobile**

**What you need:** Card, hole punch, pencils, scissors, tape, string, straws/sticks.

**What to do:**

Draw 10 different shapes on card, then cut out the shapes. Next make a hole at the top and thread string through the holes. Next tie strings across the straw/sticks to allow the shapes to hang.

Once you have done this you can then hang the mobile by a window or door to watch the shapes move and change direction with the movement of the wind.



**Jumping seeds**

Dissolve 2/3 teaspoon of bicarbonate of soda in 1/2 cup of water in a large glass. Add apple seeds from a couple of apples into the liquid. Then add 1 tablespoon of lemon juice and stir the mixture. The bubbles will carry the seeds up and down.

Adults then can encourage children to describe what they are observing and model words, such as "up", "down", "baking soda", "seeds" etc.



### Movement

Use the floor space in your room. Use and place a duvet, fleecy blankets and pillows to create a soft safe ambient space that encourages rolling crawling lying down and stretching or curling up and snuggling

Here are some fun activities you can try with your child whilst music is being played in the background.

1. Sway and roll together

2. Use different coloured scarves to develop a range of activities and movement

Hold and move the scarves in different ways, up, down, side to side and all the way round

You can pretend to be the wind and using your mouth blow to make the scarf float

Copy and follow your child's lead, copy their movements

3. Use a blanket Wrap your child tightly in a fleecy blanket or sway and swing them in the blanket to music

4. Use a duvet and roll your child into duvet sausages /Swiss rolls or gently squeezing them between pillows to make kid sandwiches

5. Use the duvet as a safe space for your child to crawl and fall as well as an uneven surface for them to negotiate and practice balancing

6. Lay down on your duvet with your child & Do tummy time together or lie side by side on the duvet. It is a great time for you and your child to connect and for your child to use you as their special adult as a resource for clambering and crawling over and for you both to lie down!

7. If there isn't room for the duvet to stay out all the time There is a lot of fun to be had by rolling them up and stuffing them into a large shopping bag or laundry bag or a big box, Your child will love to help and will have just as much fun pulling them out again when needed.

8 During the week a duvet and a few pillows can be laid out and placed on a floor, can create not just a physical space for floor play but also helps shift mood and atmosphere for quiet times at home for you and your child.