

45 min
Science
Workshop



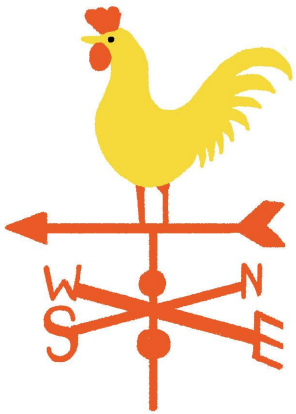
Ages
3-8

Learn-Through-Play Workshop

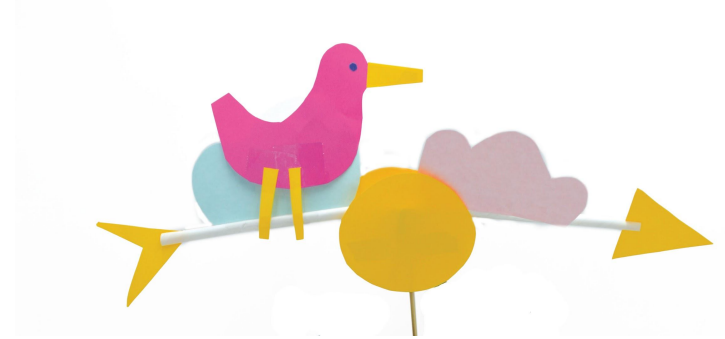
This OKIDO downloadable workshop is designed for families and can be easily delivered in the home by YOU. It is designed in collaboration with the British Science Association and follows learning to facilitate Early Years and KS1 development using easy-to-find objects from around the home.

This 45 minute learn-through-play workshop includes:

- Watch an episode of Messy goes to OKIDO together
- Discuss the science with easy-to-follow pointers around the subject
- Complete a make-and-do science activity
- Reinforce the learning with a fun, follow-up worksheet



Theme - **Nature**
Subject - **Wind**



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Watch and learn together

Together with your child, watch this 10-minute episode of Messy goes to OKIDO - 'Mr Kite Takes A Flight'. [Link to Mr Kite Takes A Flight episode](#)

In this episode, Messy loses his breakfast sock in the wind and wonders - why does the wind blow anyway? So off he goes to OKIDO to see if he can get some help.

In OKIDO the gang find Mr Kite who has been left behind while all the other kites have gone to Kite Island. They decide to help get him there but discover that kites need wind to be able to fly. Messy and his friends learn that **wind** is moving air, caused by warm **air** rising and air from other places rushing in to take its place. They also learn that it is windier the higher up you are.

Talk about the science

Right after watching, ask your child some questions about what they've seen:

- What, of Messy's, was blown away by the wind?
- What did the gang find in the park?
- Where did they go, that was higher, to launch Mr Kite?

Now talk to your child about what they've learned about wind:

- What is wind?
- Where is it usually windiest?

If your child asks a question that you don't know the answer to - just investigate together to find out!



Don't worry - all the information you need to know is explained in the episode :)

New words: Wind, air



Now make a weather vane

You will need:

- Coloured paper or card
- Paper tape
- Paper straw
- Wooden skewer
- Scissors
- Flower pot

First, ask your child to try and notice the weather each day for a week. Get used to describing the elements and noticing if the wind is blowing or not. A slight wind is called a breeze. Ask them if the air is warm or cold each day.

- Bend both straws about an inch from the end and tape together.
- Cut two slots at each end and add arrow shapes - take a look at the pictures on the next page to help.
- Now cut some weather-themed shapes to put onto your weathervane: the sun, clouds, a kite, birds - anything you fancy.
- Put the skewer into the end of one of the straws.
- Stick the skewer into a flower pot and make sure that the weather vane has enough room to move in the wind.

Now watch your weather vane catch the breeze!

Experimenting and data collecting

- Try your weather vane in different places to see where it 'catches' the wind best.
- Your child could keep a weather diary. This could be a piece of paper with the days of the week written down - ask your child to write or draw symbols to describe the weather each day.

Wash your hands. Now lick your finger and hold it out of the window or the front door. This will heighten the sensation of wind against the skin so you will be able to feel even a slight breeze. Whichever side of your finger gets cooler tells you that this is the direction that the wind is coming from. This is an adventurer's **life skill** ;)

Explain to your child that all the materials used in this activity can be easily recycled. Take the weather vane apart when you have finished with it and pop it into the recycling bin. You can probably reuse the skewer - but not for food!

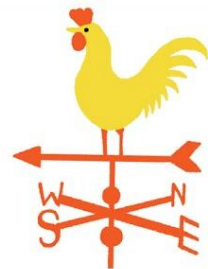
How to make a weather vane

Make a handy flower pot weather vane to see which direction the wind is blowing!

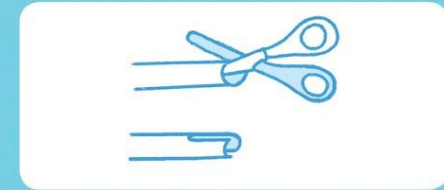


Weather vane

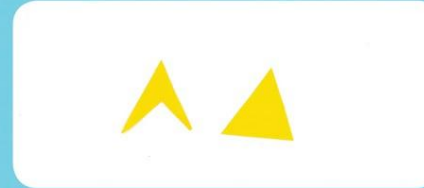
On the roof of some houses and buildings, you might see a weather vane like this one. Next time you're out, look out for the traditional cock (chicken) weather vane. Which way is the wind blowing?



- 1 Bend the 2 straws and tape together.



- 2 Cut 2 slots at both ends.



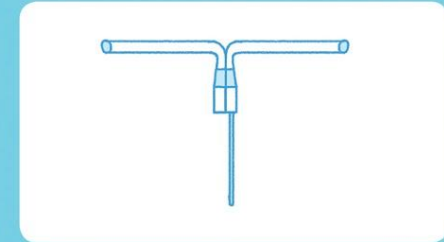
- 3 Cut 2 triangle shapes.



- 4 Slot the triangle shapes into the slots.



- 5 Cut some shapes to stick on your vane. Try some clouds, a sun maybe a rainbow.



- 6 Put a skewer in the bottom of one of the straws and stick the weather vane in a flower pot.

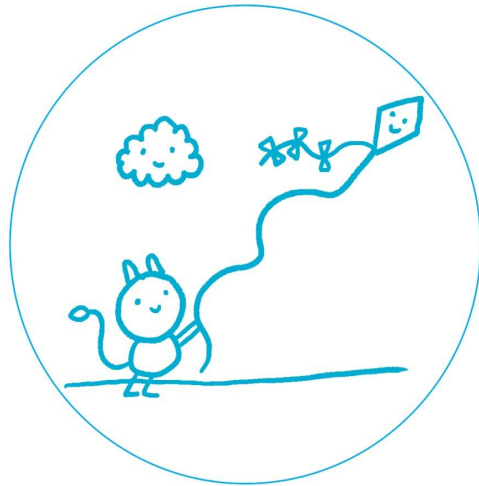
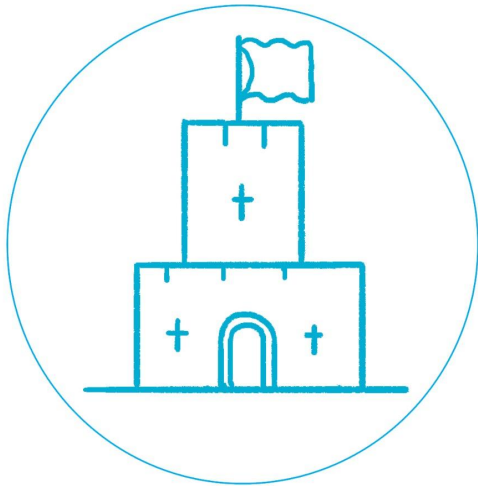
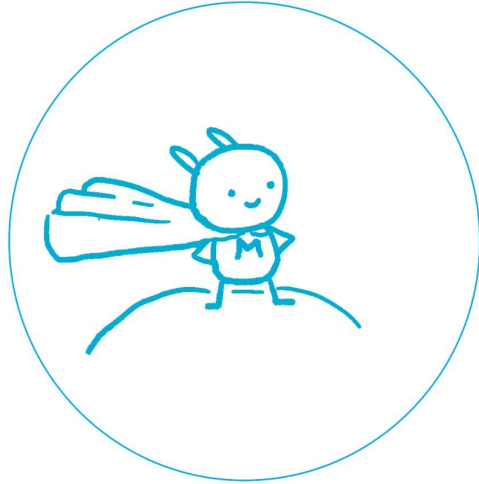
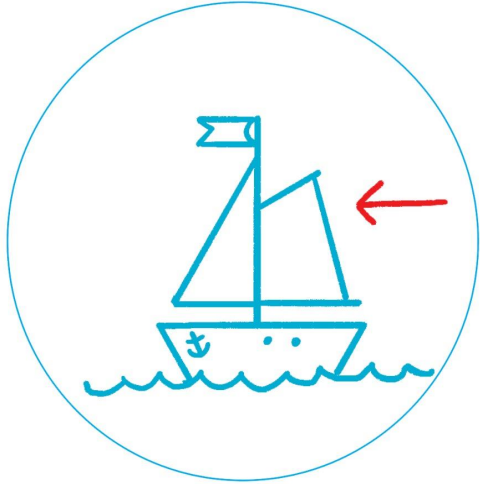
Stick the shapes either side of the straws. Makes sure it's not too heavy.



Put your weather vane near an open window and watch it spin!

Blow wind blow!

Draw the wind's direction in each picture with an arrow.



Draw some funny clouds!

