

Enquirers



Discover



iCAN personal goals

Milepost 2
Milepost 3

Enquirers



At iCAN we like to find out and learn new things and make connections between new learning and other things we know and understand. This means we ask, think about and find answers to the questions that can help us find out even more.

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Challenge 1: Grow your own Crystals!

- Using the links below, find out how to grow your own crystals using salt or sugar.

<http://chemistry.about.com/od/growingcrystals/ht/blsugarcystal.htm>

<http://www.kidzworld.com/article/26598-make-your-own-crystals>

- Write up the investigation including a prediction, results and conclusion.



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Challenge 2: Incident Report

- Next time you find a dead creature, draw a white line around its body and find out what happened.
- How?
- Why?
- Where?
- When?



Name of Animal:

Location of incident:

Time of death:

Cause of death:

Significant evidence:

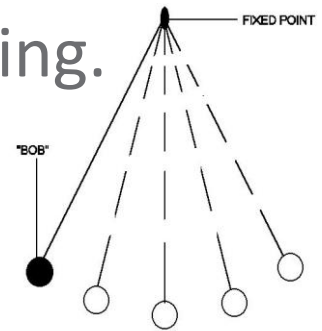
Motivation for killing:

Suspects:



Challenge 3: Pendulum Swing

- Make your own pendulum with a weight and rope or string.
 - Time how long it takes for the pendulum to swing.
 - Test it 5 times.
 - Are the results always the same? Why?
-
- To extend, you may want to record the results and upload them to our padlet. 😊



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Challenge 4: 20 Questions

- One person chooses a person, place, an animal or object in their head.
- The other player/s must ask questions which can only be answered with a “yes” or “no”.
- The team has a maximum of 20 questions to ask.



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Challenge 5: Units in Shops

- Look at and discuss any products that are sold by capacity, e.g. Paint, water, soup, fruit juice, milk.
- Estimate how much liquid individuals drink in a day.
- Calculate the amount individuals drink in a day.



<http://drinkhealthydrinks.com/>

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Challenge 6: TORNADO!

- Fill a plastic bottle about $\frac{3}{4}$ full of water.
- Add a couple of drops of food colouring.
- Add a teaspoon of glitter to the coloured water. The glitter represents the dust in the tornado.
- With the tape and help from a friend, tape the top of an empty bottle to the top of the bottle with the water.
- Turn the bottles around making sure the bottle with the water in is on top.
- Watch as the water flows from the top bottle into the bottom bottle.

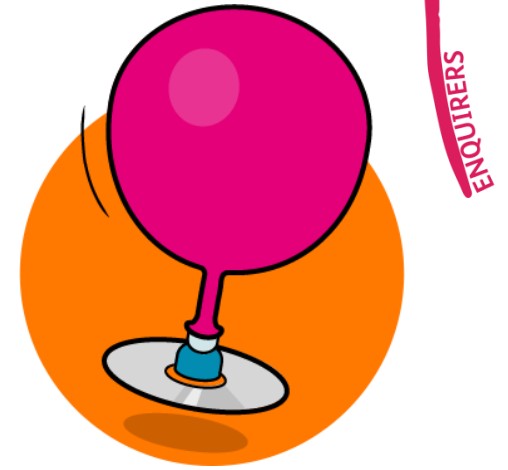


What happens? Why?



Challenge 7: Hovercraft

- Take a pop-up bottle top and cover the rim of the large circular end of the top with glue.
- Place the top over the hole in the centre of an old DVD. Allow the glue to dry.
- Stretch a balloon over the bottle top.
- Decorate the top of the DVD by sticking white paper to it and creating your own design on it.
- Blow up the balloon by blowing through the hole at the base of the DVD. Pinch the neck of the balloon to stop the air from escaping. Keep your hand on the neck of the balloon.



Let go and see what happens!



Challenge 8: Balderdash!

- You need 2 or more players.
- Everyone chooses an unusual word from the dictionary, make sure nobody knows the meaning of your word.
- Everyone makes up a definition for the word you have chosen. For example; 'foyer'.



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To inspire every child to recognise their full potential, believe they can make a difference and respect themselves, others and the world in which they live.