

Year 4 Water evaporation -Investigation

Think about when something is wet and then has dried out again. Make a list of some ideas you come up with. E.G. a towel after swimming, where do you think all the water goes to when it dries? This is called evaporation! Investigate this word by asking at home and jot down your findings.

What do you think will make the water disappear more quickly?

Task: During the year, bird lovers all around the world often leave out water for birds to drink from. To find out what type of container will be best for a bird water bowl you will carry out an investigation. So which container will keep the water for the longest amount of time?

Steps to complete the task.

- Choose 3 containers, all must be a different size. Look carefully at the width and depth of any containers you have available. Try to use different widths if you can.
- Check each container will hold exactly the same quantity of water to ensure you have a fair test.
- Decide on a quantity to put into each container, remember it must all fit in and each container should have exactly the same amount in.
- Sketch your containers and label them with their dimensions.
- Once you have all three with same amount of water and completed sketches, you will need to complete a prediction which will answer these questions. Which container do you think will keep water the longest amount of time and why do you think this?
- Choose your location for the containers, where will you put them? They must be safe and not be disturbed throughout.
- Decide how long your investigation will be, my suggestion would be around 5 - 7 days.
- How will you measure your findings? Check each day and record what you see. At the end of the five days you can measure the amount of water remaining in each container.
- Once you have your results recorded, look back at your prediction was it correct? Can you give any reasons for why the results are like this?

Other things to think about:

Your containers should be kept in the same place during your investigation however CONSIDER THIS if your containers were placed outside what factors might affect the results? Write down some ideas that might make the results change from being indoors?