

WEEK 3: WATER

WHAT YOU'LL NEED:

- A set of scales
- Two containers of at least one litre in volume
- A suitable space to try out the water carrying activity



ACTIVITY 1: WHERE IS THE WORLD'S WATER?

- 1) Measure out a litre (1000 grams) of water into one of your containers. For our experiment this represents all of the water in the world.
- 2) Measure out 965 grams into the other container. This represents all of the water in the world's oceans. Add in 9 grams for other saline areas, like salt marshes. The remaining 25 grams represents the world's freshwater.
- 3) We are now going to think about where this freshwater is in the world. Measure out a litre of water to represent all of the world's freshwater.
- 4) We are going to divide this up too. Separate out 687 grams, the water locked up in glaciers and ice caps. To this, add 301 grams for groundwater below our feet. Only the remaining 12 grams represents the freshwater at the surface in areas like lakes and other places - even in living creatures. From our first litre representing all of the water in the world this would only have been weighed about a third of a gram!

ACTIVITY 2: WATER CARRYING ACTIVITY

- 1) In arid, less developed countries, like Kenya in Africa, getting enough water isn't just a case of turning on a tap. Instead children and their mothers walk an average of 6 kilometres every day to collect what they need.
- 2) We're going to try carrying water like they do - on our heads!
- 3) It is really important that you do this activity in a place outside where a spill wouldn't be too much of a problem, like a garden or on a driveway.
- 4) The challenge is to fill a bucket or container with half a litre or more of water. Then lift this on to your head, keeping at least one hand on it to stay balanced.
- 5) See how far can you walk with it held like this? Be sure to share your best distance with a photo to #WildDays.



FUN FACTS:

- Drinking water is key for people to live long healthy lives, which is why the United Nations made it one of their Sustainable Development Goals.
- In our weighing activity we learned that lots of the world's freshwater is held in ice caps and groundwater, but 3% of what is left is actually up in the atmosphere - held in clouds.

STAY IN TOUCH:



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We would love to see what you've got up to on your Wild Days adventures. Send us pictures, stories and videos on social media using the #WildDays