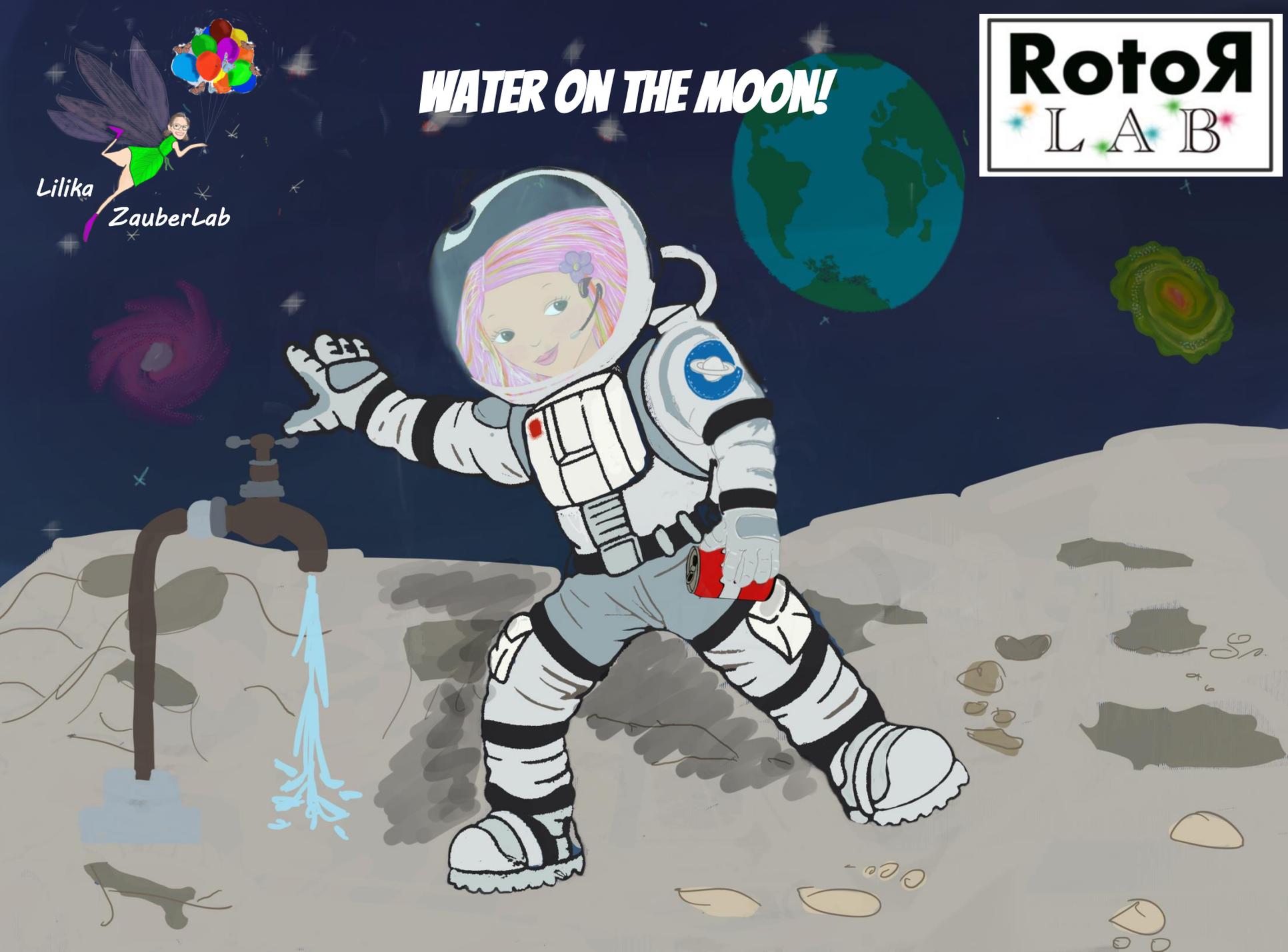


WATER ON THE MOON!

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WATER ON THE MOON!



For years, scientists and astronauts believed that the Moon was all rocks and dust. More recently, they started thinking otherwise when they sent probes to the Moon. They built a special telescope that could look for water and... they found lots of it! Not in ponds and lakes of course! But there were blocks of frozen ice hidden in the surface of the moon. They found out that a football/soccer field on the Moon had enough water to fill a can of juice.

What can you do with the water found on the Moon?

- They can use it to re-supply the ISS(International Space Station) with water.
- Or even better! They could use the water and break it down to produce hydrogen , which can then power rockets! Then if the plan works out, they refuel rockets on Moon and fly them onwards to Mars –

...To infinity and beyond!



QUICK-FIX: ICE TO WATER! WHICH IS THE FASTEST WAY?



The biggest job for the astronauts when they land on the moon will be to melt the ice to be able to use the water. The moon gets a lot of sunlight – can you find out which would be the quickest way to melt the ice with salt or sunlight?

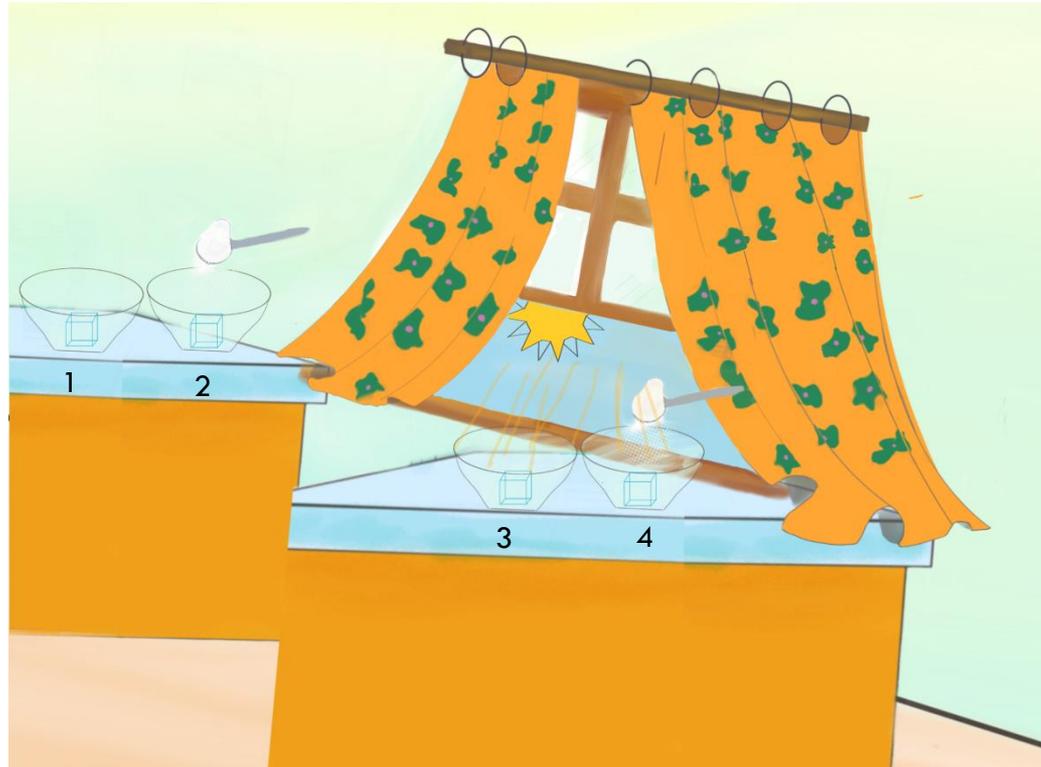
Let's try an experiment –

You will need:

- 4 plates
- 4 ice-cubes of similar shape and size
- Timer
- Sunlight
- 2 tablespoon salt

What to do...

1. Place an ice-cube in each plate.
2. Place plates 1 and 2 in the shadow and plates 3 and 4 in the sunshine (near a window).
3. On plates 2 and 4 add one tablespoon salt.
4. Now put your timer on and stop and note the time when each of the 4 ice cubes is completely melted.



Which cube of ice melted the fastest?

WHAT WOULD YOU DO TO GET WATER IF YOU WERE AN ASTRONAUT ON THE MOON?

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