

A close-up photograph of a white rectangular tray containing several ice blocks and frozen strawberries. The ice blocks are in various shapes and colors, including large white ones, smaller blue ones, and a long red one. The strawberries are bright red and appear to be frozen. The background is slightly blurred, showing a wooden surface. The text "Ice Exploration!" is overlaid in the center in a large, bold, black font.

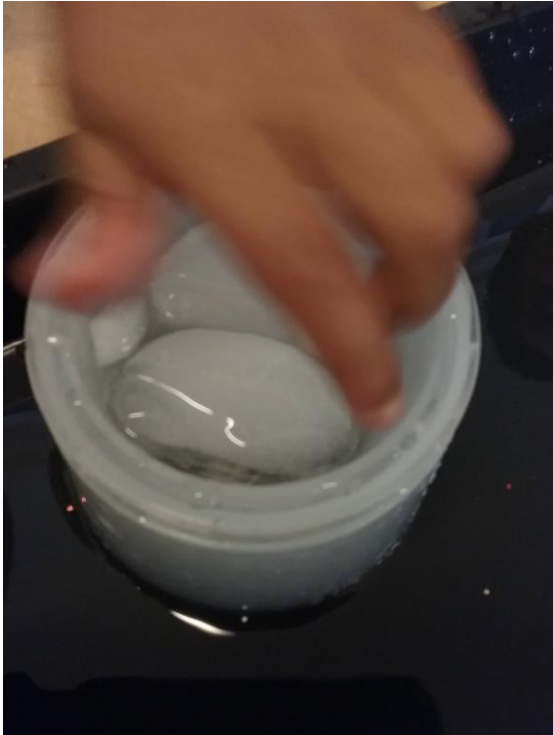
# Ice Exploration!

# How the fascination began

As Nusaybah was walking into nursery with her mummy in the rain, she noticed a ice lolly on the ground. When going home Nusaybah only saw the stick on the ground and wanted to know where the ice lolly had gone? Her mum informed Nusaybah that ice lollies were made of sugar so the rain had dissolved it. Nusaybah was curious as to what "dissolve" meant which led to some experiments with water, salt, sugar, flour, cheese and butter at home.

The following day Nasaybah came to nursery and was very exited to inform her teacher that she has been learning about dissolving. **"I been dissolving at home Rayhana'**. Nusaaybah was very eager to further investigate her fascination in dissolving things in nursery.

We then looked at things that dissolve and melt and the difference between the two.







Scientists at work!

We put sugar into water and discovered that some things dissolve when they are put together with something else.

*"Dissolving means it disappears!"*  
said Nusaybah

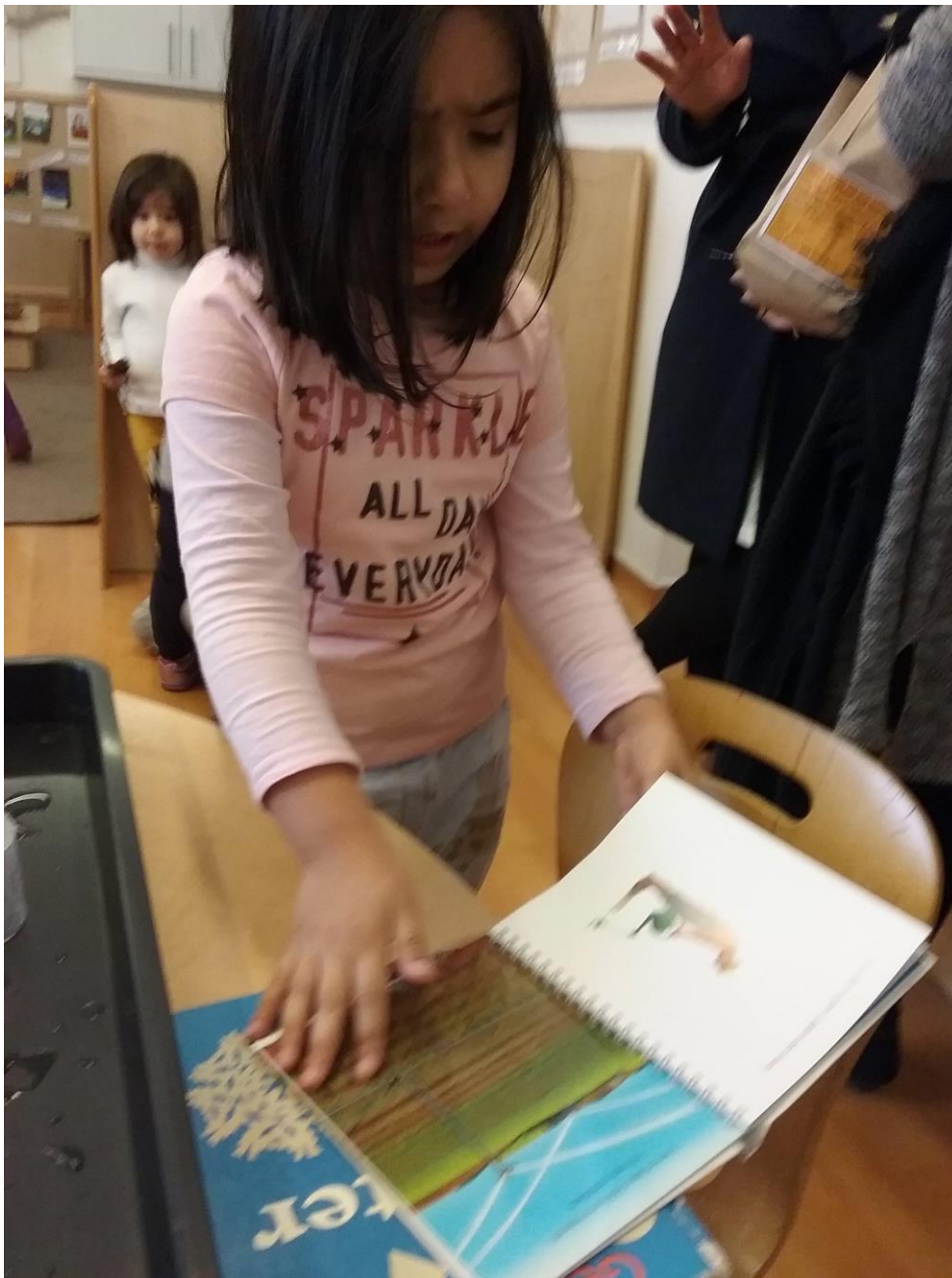






We heated up some butter and found out that when some things are heated up, they melt.

*"You have to melt the butter, just like ice lollies!"* Nusaybah



We looked at information books and the internet to find answers to questions such as:

- What is ice?
- How is ice made?
- Where do you find ice?

# When it is cold things turn to Ice

Rayhana: "I wonder how we can make **ice**?"

Nusaybah: "You have to put water in the **fridge**?"

Rayhana: "Shall we put some trays of water in the **fridge** and some in the **freezer** and see what happens?"







We made lots of ice by adding colours, leaves and other objects, which the children wanted to freeze. They were very excited to play with the ice and made numerous visits to the staff room fridge/freezer to see if the water had turned to ice.

"It's not worked," said Karam Elahi .

However the following day.....



The children discovered that nothing happened to the trays of water left in the fridge, but all the trays in the freezer turned into ice! They were excited to explore the ice and used lots of describing words to communicate their experiences.



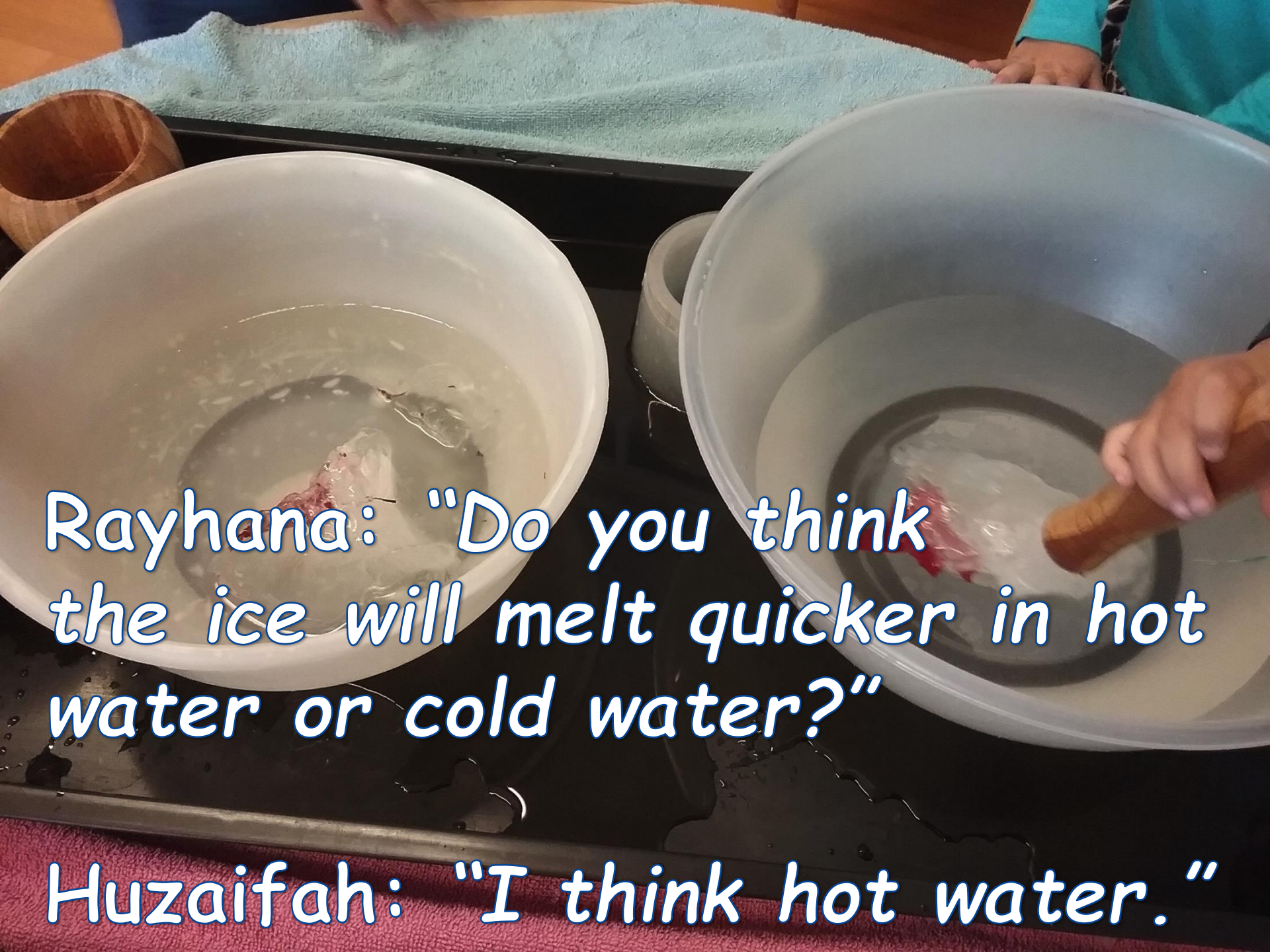






"It's freezing cold" Zakariyya





Rayhana: "Do you think the ice will melt quicker in hot water or cold water?"

Huzaifah: "I think hot water."



**Muhammad  
Ali is on a  
mission to get  
the massive  
block of ice  
out of the  
container**





**Rayyan used a spoon to scrape the ice out, whilst Muhammed Ali Kaif tried getting the ice out using a pair of scissors.**





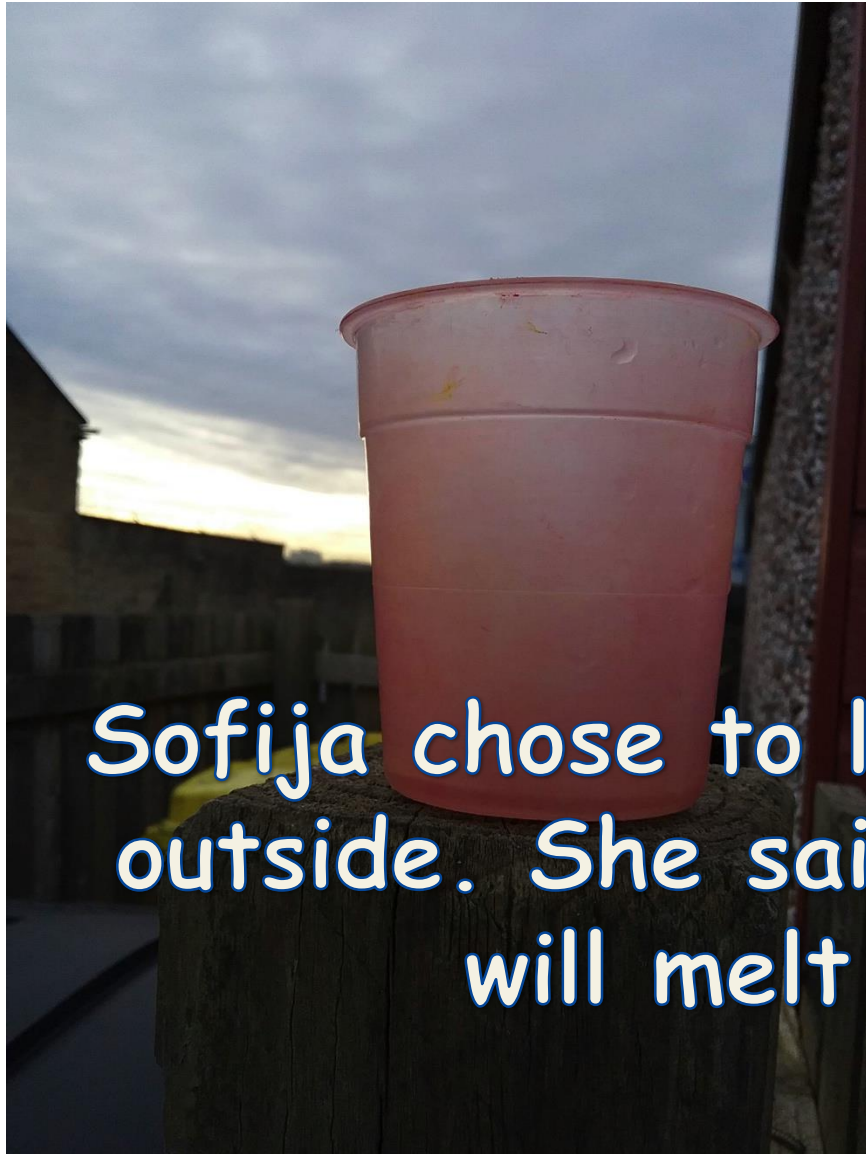
Yusuf added water to the ice using a pipette to loosen the side of the containers.





Sudais worked out that turning the containers upside down and banging them on the tray allowed him to get the ice out.

*"You have to bang, then it come out!"* Sudais



Sofija chose to leave a tub of ice outside. She said: "The sunshine will melt the ice."





"I can see leaves. How shall I get it out?" Karam Elahi





**Crushing ice!**





*"It's like  
ice-lollies.  
I like ice-  
lollies"*

Huzaifah

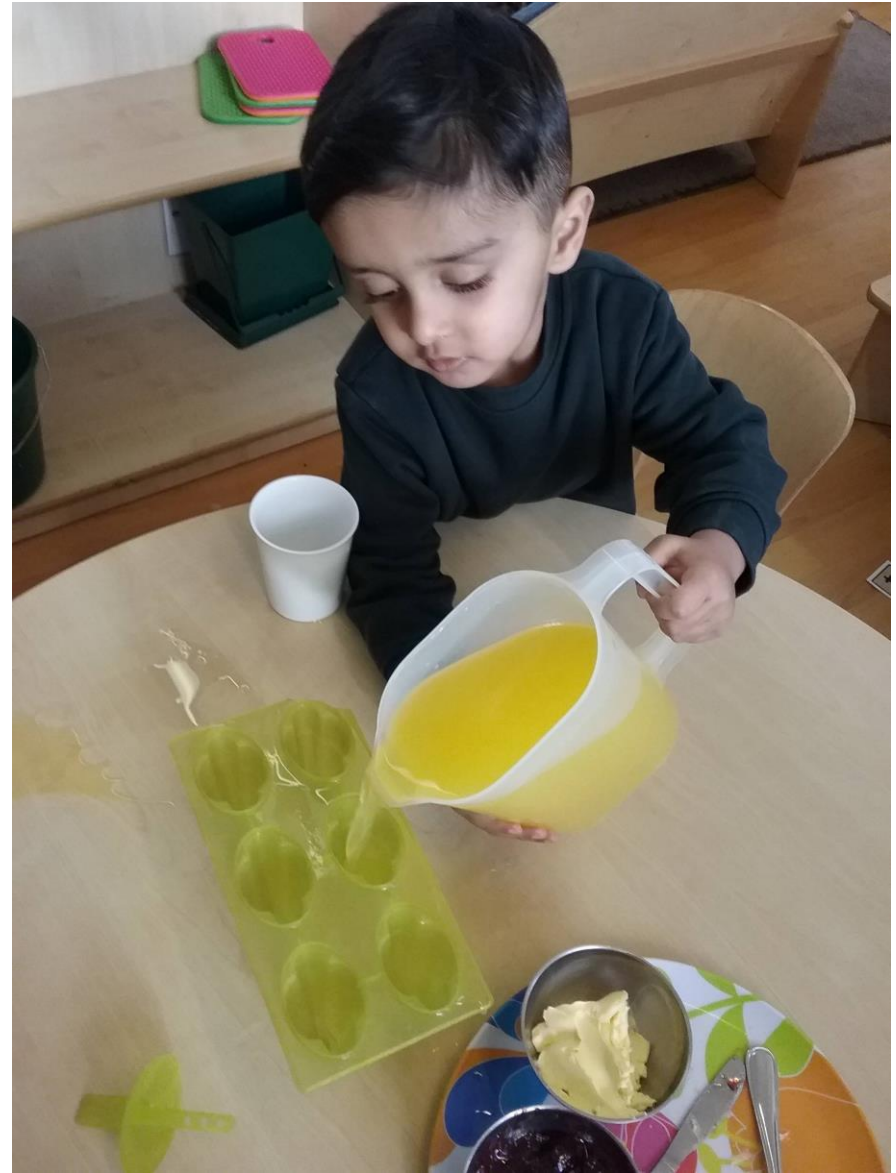




What do we need to make Ice Lollies?



# Making Ice Lollies







*"The sun will melt the  
ice." Nusaybah*