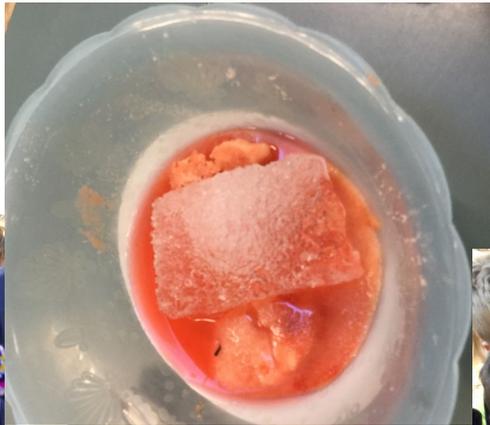




ICE, ICE, ICE



LEARNING : At the end of Term 2 we discussed **changes** in weather and materials. From this discussion we followed up a science experiment to predict what would happen when we added hot water, colour dye or salt to ICE.. Everyone predicted the ice water would MELT when boiling water was added and this was definitely proven in a safe manner. The colour dye(children chose **RED dye**) was a little more confusing and the **pink Rock salt** was also questionable. The children were very eager to take part in this challenge and offered ways to understand and problem solve what they thought could happen. Using a small pipette **David and Ethan** chose to squeeze red dye into the ice cubes whereas **Aliena and Asher** chose to put a teaspoon of salt over the large ice block. Dee and Jenny used the jug of hot water to pour over a bowl of ice cubes and there was a very quick change visible. **“It’s melting !** The children exclaimed with excitement. So the solid form changed to liquid form almost immediately. The dye joined (permeated) the ice but didn't change the shape or solid form, however we did do the experiment outside in the sun and noticed the warmer temperature different to the fridge temperature altered the ice melting slowly not like the hot water. Lastly the salt was sprinkled over the large block but no change was visible and some scientists added the colour dye but still no change was visible. After 15 minutes the ice block was cracking and becoming a rough texture. Rough and small holes were like eating into the ice. The salt had ERODED the ice block and changed the appearance but not so much the size of the ice. What would happen if we used small ice blocks would we see the same result? This opportunity generated science language ,further enquiry to discuss changes in properties, and experimenting with processes as the children become more involved in their shared learning world.

Term 3—Week 2, 2017 4 year old Green group Kindergarten

Educators: Jenny, Jennifer and Dee.