

Lab Tots Report Card



Session Venue & Time: Hartsfield JMI, Tuesdays

Lab Tots Term: Summer Term 2018

Instructor: Sophia Mitchell

Session Dates: 24th April 2018

What We Did & What We Learnt:

Bubblemania 1

- We looked at what a bubble is (gas inside a liquid inside a gas) and explored states of matter (solid, liquid, gas)
- We observed bubbles and introduced 'fluid dynamics' by looking at the swirling patterns and rainbows we could see on the bubbles surface
- We looked at water and water molecules H_2O and how 2 very different gases can come together to form a liquid
- We made our own bubble solution using measuring spoons and discussed differences in thickness/viscosity of the ingredients
- We practiced blowing using our straws
- We made our own bubble wands using pipe cleaners and explored different shapes 2D & 3D
- We figured out that the circle was the easiest shape to make
- We played with our bubble mixture and tried to make different shaped bubbles using different shaped bubble wands (Star, circle, rectangle, hexagon, heart)
- We worked out that our bubbles would always be circles - Spheres and this was the easiest shape and took the least energy to make
- We explored how to make different shaped bubbles / bubble geometry when we made our bubble monsters and bubble worms - when the bubbles stick together and share sides, they can make different shapes
- We blew smoke into our bubbles to see what shapes we had made

