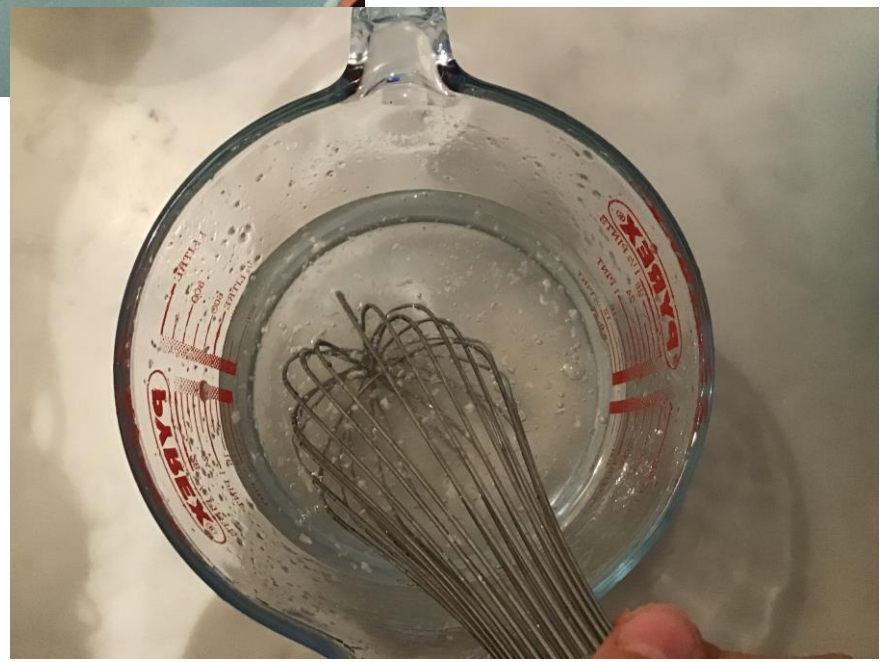
Welcome to our spherefication powerpoint

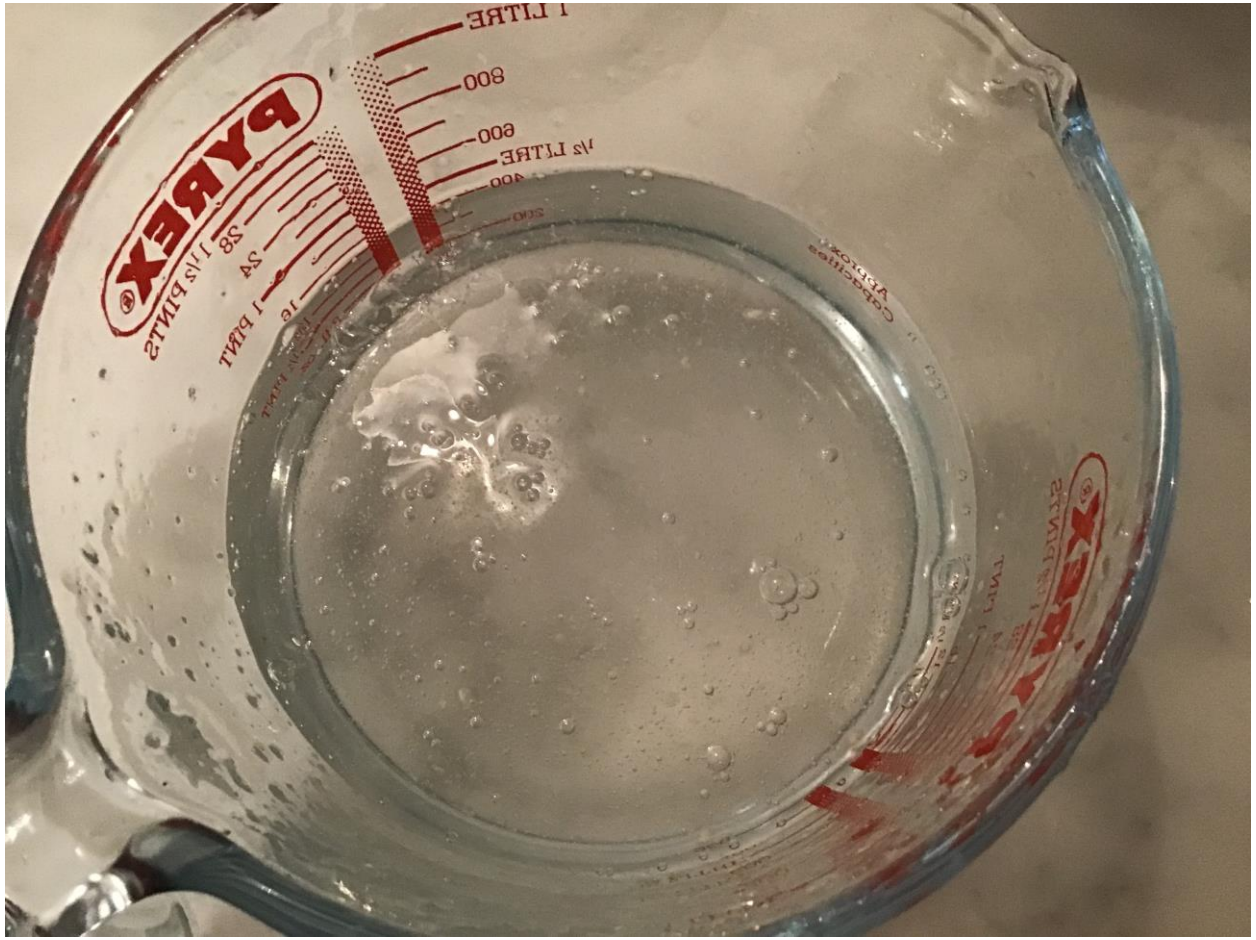
STARRING JESSICA ROWLEY, ISLA CATT AND ILYANA POTTEN

1. First we added 4 cups of water to one bowl and 8 cups of water to another bowl.



2. Then we added 4 g of calcium lactate and 10 g of sodium alginate because we doubled the recipe .

3. After that we mixed and whisked until everything was dissolved in both bowls.



4. Then we went and played with slime until all the bubbles were dissolved

5. After all the bubbles were dissolved we started the spherefication.

6. First we started with a clear normal water bottle and then we experimented even further than we had in class.

7. We tried out different things this is how it went…

A. First we decided to use edible glitter and because it’s a finer substance we weren’t sure how it would react to the sodium alginate.

IT WORKED!

We tried adding edible glitter to the inside of the water bottle, we weren’t sure if the glitter would affect the sodium alginate, therefore getting a different result of the inside of the water bottle. We were unsure how the calcium lactate would react with the sodium alginate. We weren’t sure whether it would make a thicker or thinner layer as the glitter could’ve interrupted with the reaction.

B. Next we tried putting a berry inside one of the water bottles.

IT WORKED!

We left the water bottle in for longer than we would've done, as it had a berry in it this is because we weren't sure whether the berry would be enclosed in the water bottle or it will just be left floating in the calcium lactate bath.

C. We also used a basil leaf in one of the edible water bottles.

IT WORKED!

This showed us that a living organism would work in a water bottle as well like everything else did as we weren't sure whether sap from the leaf would leak into the bath.

D. Finally we tried a less stable type of food to see if it made a difference to the water bottle. In this case we chose banana.

The reason we decided to also do the banana is that it is a mushier substance so we weren't sure if it would dissolve into the liquid bath or have its own incasing around it, seen as though the piece of banana was quite big.

We really enjoyed doing these different experiments.

All of our experiments worked and next time we might try it with some coloured dye to see whether the die stays in the bubble or leaks into the calcium lactate bath.

Now we tried eating them it didn’t go to well….


SURRIDGE