

# KS1 Science Club Blog

## **Week 1 – ‘irreversible changes’**

This week in Science club we investigated irreversible changes. We described how the ‘kernel’ of corn felt before heating and then after, when it was described as like a piece of ‘polystyrene’! The kernel was hard, but the popcorn was soft and squishy. The popcorn could not be changed back to a kernel of corn.



We then looked at a slice of bread and described it as soft and squashy. It was flexible before toasting. When it popped out of the toaster it had changed colour and became hard on the outside. It was not as flexible – if we bent it, it split! Again we could not reverse the changes and make the toast, a slice of bread once more.



## Weeks 2 and 3 – ‘reversible changes’

For these weeks we looked at materials that change when they are heated and investigated what happened to them when they were allowed to cool once again. We used chocolate and observed it in its solid state before melting it over a candle. Whilst the chocolate was heating, we also observed that the wax in the tealight candle was melting into a translucent liquid.

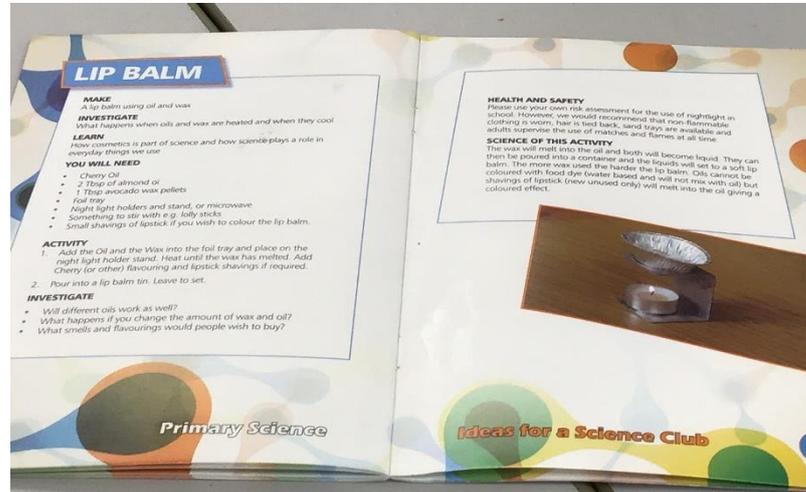


Once both materials had melted, we blew out the candle to observe the wax and poured the chocolate into a mould. Both materials slowly returned to a solid shape as they cooled, but a different shape! The chocolate was now a Christmas chocolate and the candle had set with a slight ‘dip’ in the top.



## Week 4 – 'lip balm'

For our final week, we once again looked at reversible changes by making lip balm! We chose between lemon wax and beeswax and heated it with a spoonful of avocado oil.



To add a colour we used a shaving from a lipstick. We melted the ingredients over the candle and stirred them to mix them. We then poured our 'balm' into the small pot. We bent the foil container to make a spout so we could pour the mixture easily. We then allowed the wax and oil to set and had our very own lip balm!

