Winter Science Quest

Are you ready to challenge yourself with a Holiday Science Quest?

Earn 10 housepoints for house by completing a challenge and bringing it into school after the Christmas holidays.

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| Year 3 and 4**Ice Lolly** Invent a device to protect an ice lolly and stop it from melting.What would it look like? Which material will slow down the melting process?**You will need** * Ice cubes or ice lollies
* tin foil
* cotton wool
* kitchen towel
* cardboard

 **What to do**1. Place a piece of each material around each ice cube/lolly
2. Make a prediction. Which material will prevent the ice cube from melting?

|  |
| --- |
| I predict….. |

1. Leave for 1 minute and then observe the results.
2. Cover and leave for a total of 3 minutes and observe again

5.Cover and leave for a total of 5 minutes and observe again6.Cover and leave for a total of 8 minutes and observe again.Record your results in a table like this.

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| --- | --- | --- | --- | --- |
| **material** | **1 minute** | **3 minutes** | **5 minutes** | **8 minutes** |
| tin foil |  |  |  |  |
| cotton wool |  |  |  |  |
| kitchen towel |  |  |  |  |
| cardboard |  |  |  |  |

Make a conclusion I found out….. |