

# Science

Material	Starting state / temperature of contents	Temperature of contents after 5 minutes	Temperature of contents after 10 minutes	Temperature of contents after 15 minutes	Temperature of contents after 20 minutes	Total
Felt	Solid	Solid 10	liquid/solid 10	liquid/solid 10	liquid/solid 0	30
Tin foil	Solid	liquid/solid 0	liquid/solid 10	liquid/solid 10	liquid/solid 10	40
Letter Pads	Solid	liquid/solid 20	liquid/solid 15	liquid/solid 10	liquid/solid 10	55
Control	Solid	liquid/solid 20	liquid/solid 10 $\frac{1}{2}$	liquid/solid 20	liquid/solid 10	60 $\frac{1}{2}$



Year 5 have been developing a fair test of materials to find the perfect lunchbox material. To do this they applied all of their understanding of materials and their properties and recalled knowledge of different states of matter, which they studied in year 4! The children worked confidently in pairs communicating their observations and findings to draw conclusions.



Tuesday 25<sup>th</sup> April 2023

Conclusion

The one that insulated the most was bubble rap / tin foil. Bubble rap was the coldest but tin foil had a smaller puddle and was on of the last to get one a puddle. The worst one was control because it kept on melting and wasn't as cold.

# Science

Year 1 and Year 2 have both begun to develop and deepen their understanding of plants and the natural world. Year 1 have been focusing on the different parts of a plant and the role they play, growing sunflowers to see all the different parts.

In year 2 we have built on this understanding from year 1 and started to explore how and why the different parts of the plant function asking what plants need, why they need it and what happens if they do not get what they need. The children are enjoying having chance to investigate scientifically and become skilled observers, keeping diaries to track their plants progress.



Throughout their time in school, the students in year 4 have been building their knowledge of humans and animals. Identifying differences between species and understanding the role of habitats and food chains the animal's development. Now that they have that understanding, the students have been able to apply all their learning in focused scientific exploration-teeth.

Understanding the role of teeth, the children were able to compare different animal teeth and answer questions like "why don't elephants have canines?" and "what would happen if a lion had elephant teeth?". This led to a scientific enquiry: Do all drinks cause tooth decay? The children thought carefully about the drinks they should test and what variables they would need to control for a fair test. We are all thinking more about how to keep our teeth healthy now!