Year 5

Year 5 pupils were challenged to set up investigations at home that would test the pH levels of household products.



Did you know red cabbage water contains a chemical which can help show what the pH level of a liquid is? It is called ANTHOCYANIN.



The children chose different ways to present their investigations. They made videos, PowerPoint presentations, posters and even Scratch games!



VARIABLES I KEPT THE SAMI

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We cut the cabbage and then boiled it as shown below

Red Cabbage contains pigement molecules called anthocyanins which change colour when they are in contact with an acid or base. When we boil the red cabbage, it leaves extracts anthocyanins into the solution. These are responsible

RED CABBAGE AS AN INDICATOR









The children had to make red cabbage water and then combine it with different household liquids to show what the pH level was.

All the products I tested were acids. The Red Cabbage Juice worked and I now know roughly what the ph level of each product is

As this science experiment had to be conducted at home the children had

to find an indicator which would

help demonstrate pH levels.



The children had to make predictions of the pH levels before carrying out the experiment. They also decided a method, the variables that should stay the same or change and how to present the results.

