

Low-Cost Experiments in STEM Education



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Plants in chemistry studies

Using plants in pH studies and dyeing

In chemistry lessons pupils have prepared pH indicator solutions and pH papers from different indicator plants. The functionality of the indicator has been tested with different strengths of vinegar and baking soda solutions to produce a pH scale. They have also used plants in dyeing wool.

Pupils have made various presentations of their work. The use of plants in studies has brought more practicality to chemistry education.



Plant indicators
Red cabbage
Beet root
Lingonberry
Blueberry
Blackcurrant
Tea
Radish
Turmeric
Violet
Rhubarb
China rose



This is only an example on how to structure your poster design. Stick to your guiding theme's colour scheme and use a clear division of space.

Using plants in chemistry lessons has increased the understanding that chemistry is everywhere and experiments can be done also at home.