



# Quarterly Problem

- Science Edition -

## Blue Tea



*Anchan, or butterfly pea tea, is a blue, caffeine-free tea from South East Asia. But the incredible color is not the only thing that makes this tea special. You will be surprised...*

Make a tea from the flowers of the blue butterfly pea. Add honey and lemon juice. What can you observe?

Try to explain what happened. Carry out further experiments: Can you achieve the same effect with other ingredients? Do some research on the internet.

Then come up with your own recipes that showcase the properties of blue tea particularly well. For example, what happens if you make ice cubes from the blue tea and throw them into colorless lemonade? Or can you use it to make a funny looking dessert? Perhaps you would like to sell your creations at the next school festival.

Make a poster on which you present your favorite recipe with blue tea and information about the chemical background.

### Brainstorm Box

What could be the property of lemon juice that is necessary to get the special effect here?



## Explain your method to the others!

What experiments did you conduct to uncover the secret of the blue tea? How did you do your online research? What did you try until you came up with your recipe?