

POUMĀHAKA SCIENCE QUEST: HOME CHEMISTRY

We experience chemistry all the time in our everyday lives, often without realising.

WHAT TO DO: You need to complete 6 of the activities listed below. You need to complete at least one practical activity and one written activity as part of your 6 activities.

Practical Activities	Date completed	Written Activities	Date completed
Find out about and make your own invisible ink. Write a message to someone and then show them how to reveal the message. Show your teacher what you did. How does the 'reveal' work?		Write a short newspaper article (or create and film a news report) about Dmitri Mendeleev and why he is famous.	
Find out how to make a crystal using sugar, salt or baking soda. Once you have grown your crystal take it to show your teacher and classmates.		Expand this sentence using but, so, and because: White vinegar can be used as a household cleaner.	
Make a lava lamp using vegetable oil/water/food colouring and a fizzy tablet like a Berocca. Film what happens once you drop the tablet in and show your teacher.		Get some baking soda and vinegar. Write down 3 observations about these two chemicals. Now mix them together. Write 3 observations of the reaction.	
Get a group of friends together and use them to model the arrangement of particles in solids, liquids and gases. You could take photos or make a movie/recording.		Find out about why ice floats in water. Create a report in a format of your choosing to explain this to a classmate.	
Bake scones using a basic recipe. Make a change to the dry ingredients that you think might improve the scones and then bake them again. Take photos and explain what you changed and what impact this had on the scones.		Create a poster that shows the changes to the arrangement of particles in solids, liquids and gases. Include information about what is needed to change a substance like water from a solid to a liquid then gas.	