

Worksheet-starter

This is a suggestion for the teacher group to build on – that is, to create a student worksheet.

The group should discuss the practical issues in asking students to do this, and try to predict what the students will produce.

The task supports the aims of “being like a scientist”, “doing science”, “developing inquiry skills” and “understanding the nature of science” that appear in the curriculum statements of most countries.

On the website www.scienceteachingalive.com you can see worksheets based on questions that teachers of the Thandulwazi Rokunda programme in South Africa set.

An investigation task

To the student: This is an investigation. You will have to work out your own method for doing the investigation.

You have seen how to use
as an indicator. The indicator changed its colour when we added it to a known basic solution and then an acidic solution. This colour change can reveal whether an unknown solution is basic or acidic. “Unknown” means we do not know what the solution is.

Find two **other** flowers or vegetables that will also change colour to show whether a solution is basic or acidic. Make a record of the flowers or vegetables you tested and record the colour changes. Try to find out the local name for the flowers or vegetables you use.

Your table of results should look like this ...

[the workshop should decide how the students should present their results]