

## Teacher Notes

### Curriculum links

#### Year 7 and 8 Science

- Multicellular organisms contain systems of organs that carry out specialised functions that enable them to survive and reproduce (VCSSU094).
- Use scientific knowledge and findings from investigations to identify relationships, evaluate claims and draw conclusions (VCSIS111).
- Reflect on the method used to investigate a question or solve a problem, including evaluating the quality of the data collected, and identify improvements to the method (VCSIS112).

## Learning intention and success criteria

#### Learning intention

To use the scientific method to test lung function.

#### Success criteria

- Display and interpret data on a column graph.
- Make conclusions based on results.
- Suggest improvements to a method.

## Instructions to teachers

This activity has been developed for students to see the real world application of using the scientific method to test a hypothesis. Students will need access to basic equipment to conduct the experiment.

The worksheet that students complete is a word document that has been designed using the developer function. This means that students can save the document to their device and are able to modify certain sections to record their answers. Although students are able to quickly adapt to this format, it is recommended that you briefly familiarise yourself with the document before you distribute it to students.

Answers have been provided to you to make feedback to students easier.

## Instructions for students

1. Download the activity, save to your device and then select view and select edit document.
2. Complete the activity and resave to your device.
3. Submit the task and excel file to your teacher for feedback.