



**NAP-SL Online School Release Materials**  
**Public demonstration site**  
**User guide**

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## **WHAT IS THE NAP SAMPLE ASSESSMENT – SCIENCE LITERACY (NAP–SL)?**

NAP–SL is one of a suite of three national sample assessments with civics and citizenship, and information and communication technology (ICT) literacy, which are conducted with random samples of Australian students in three-year cycles. The results contribute to an understanding of student progress towards the achievement of the Educational Goals for Young Australians specified in the Melbourne Declaration.

The previous four NAP–SL assessments were conducted in 2003, 2006, 2009 and 2012.

### ***What does NAP–SL measure?***

NAP–SL measures the science literacy of primary school students in Australian schools. Unlike other assessments that are part of the National Assessment Program, NAP–SL only assesses Year 6 students.

NAP–SL assesses the ability to think scientifically in a world in which science and technology are increasingly shaping children’s lives. Specifically, it assesses students’ ability to apply broad conceptual understandings of science in order to make sense of the world, to understand natural phenomena, and to interpret media reports about scientific issues. It also assesses the ability to ask investigable questions, conduct investigations, collect and interpret data, and make informed decisions.

### ***How was NAP–SL delivered?***

In previous NAP–SL cycles, the assessment took the form of printed booklets containing both the items and space for students to answer them.

For the first time in 2015, NAP–SL was delivered online. This move to online test delivery is part of a general move towards online testing that has been implemented progressively in the National Assessment Program’s sample assessments and follows the successful implementation of online delivery for NAP sample assessment – civics and citizenship in 2013.

### ***Who participated in the 2015 NAP–SL assessment?***

A stratified random sample making up approximately five per cent of the total Australian Year 6 student population took part in this assessment. The sample was drawn from government, Catholic and independent schools in all states and territories.

### ***What are the NAP–SL School Release Materials?***

Selected questions developed for 2015 NAP–SL have been put together as a demonstration test and are now available so that schools, parents and students can see the range and style of questions asked in NAP–SL.

### ***What other NAP–SL School Release Materials are available?***

In past paper-based cycles of NAP–SL, items that are representative of the whole objective test have been identified and made publicly available in the form of an assessment. This has typically been in the form of a downloadable document that can be printed as a test booklet. In addition, a guide for administering the test, marking the student responses and converting student scores into levels on the NAP–SL scale is also provided. These post-sample school release materials can be found on the NAP website.

### ***Where can I find out more about NAP–SL?***

Further information, including public reports, technical reports and assessment frameworks are available from the NAP website.

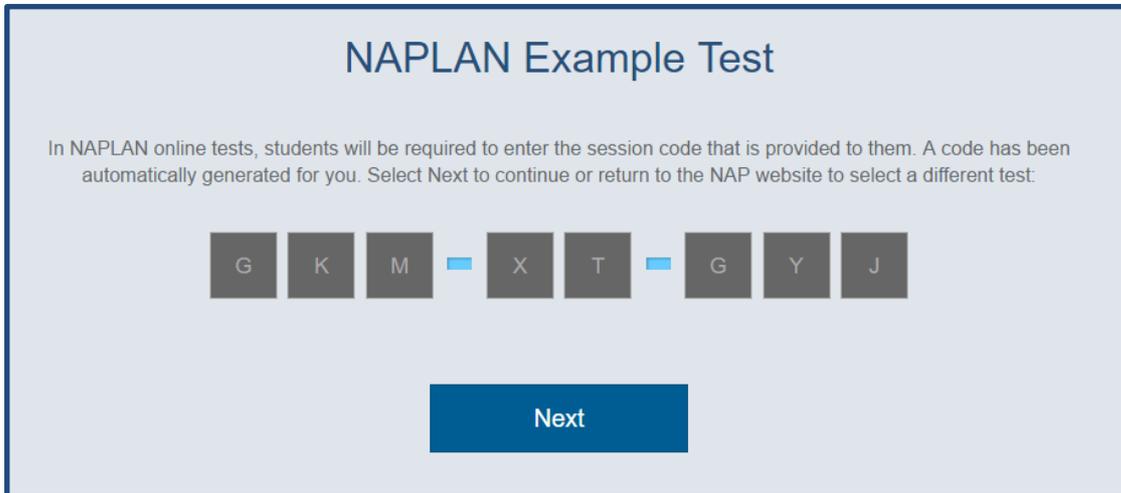
## STARTING THE TEST

The NAP-SL demonstration test is located on the same site as the [NAPLAN demonstration tests](#). As a result, there are initial NAPLAN screens that you will need to click through to access the NAP-SL demonstration test.

In NAP assessments, students will also have to type information to identify themselves and register themselves for a test session. In the demonstration test, this information will be completed automatically.

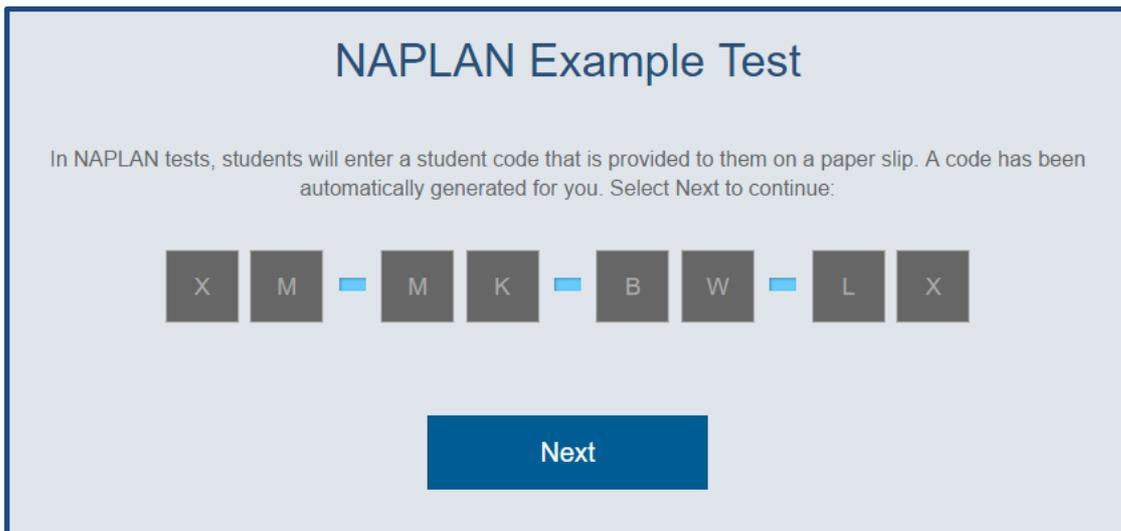
### *Session code screen*

When you start the test you will be presented with a screen showing how a session code is entered. This code will be automatically generated for the demonstration test.



### *Student code screen*

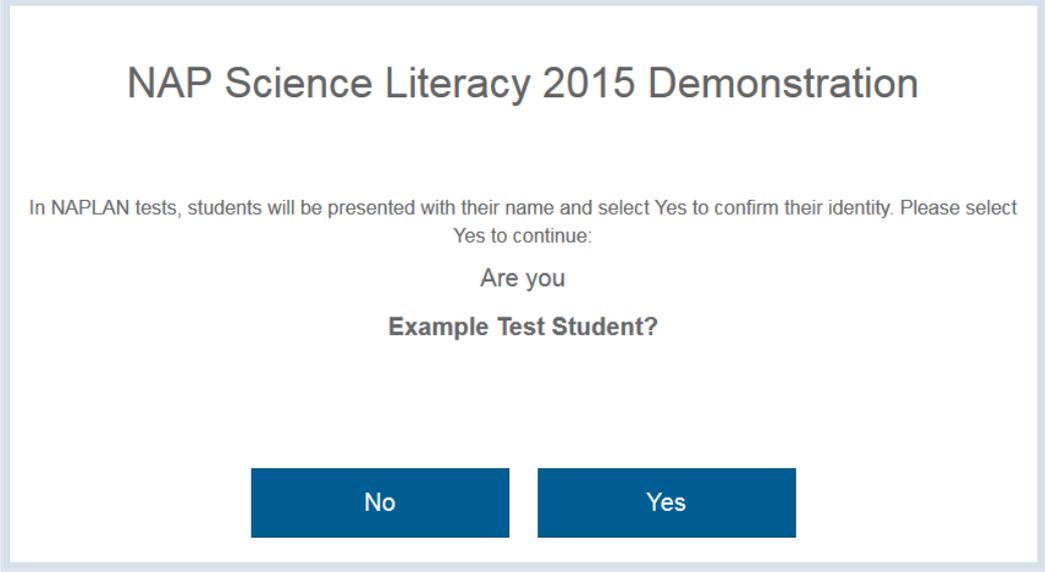
A second screen will then appear for the student to enter an individual student code. Again, this will be generated automatically for the demonstration test.



***Identity confirmation screen***

The confirmation screen will then appear. This screen is to help students in a real NAPLAN or NAP assessment check that they have used their own student code and not that of some other student.

For the demonstration test this will say 'Demonstration test Student'. Click 'Yes' to continue.

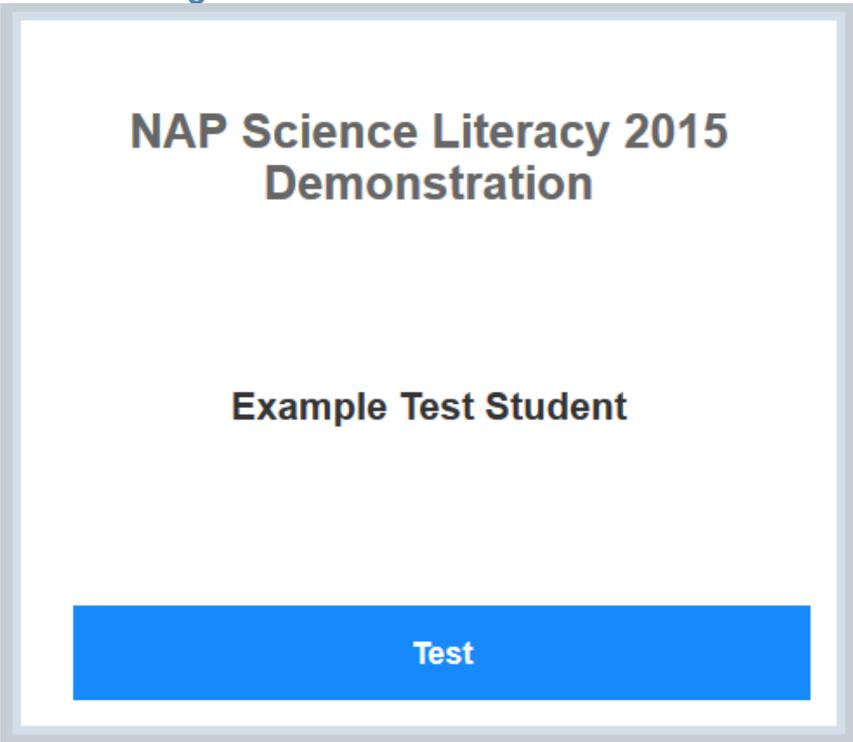


NAP Science Literacy 2015 Demonstration

In NAPLAN tests, students will be presented with their name and select Yes to confirm their identity. Please select Yes to continue:

Are you  
**Example Test Student?**

No Yes

***Test holding screen***

NAP Science Literacy 2015  
Demonstration

**Example Test Student**

Test

During an actual NAP assessment, students will wait at this point until the test administrator commences the session. Students will then be required to answer practice questions prior to starting the demonstration test. You can start by clicking 'Test' and you will be taken straight to the start of the test.

## NAVIGATING THROUGH THE TESTS

The test has a number of features to help students navigate between questions.

### Question Number

The number of the question you are currently attempting is displayed at the top of the screen.



### Back / Next/ Flag

At the bottom of your screen, there are three buttons.



The Back button takes you back to the previous question. The Next button takes you to the next question.

The Flag button lets you flag or highlight a question that you might want to come back to later. To turn on the flag for a question, click on the flag, and to turn it off, click on it again.

### Progress summary screen

You can check your progress at any time by clicking the blue grid icon next to the question number.



This will bring up the progress summary screen. Clicking on the icon again will return you to your position in the test.

### Progress summary

	<b>13</b> Answered	2 Not answered	0 Not read	2 Flagged
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### Questions

Click a number to go to that question.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15					

The screen above shows that:

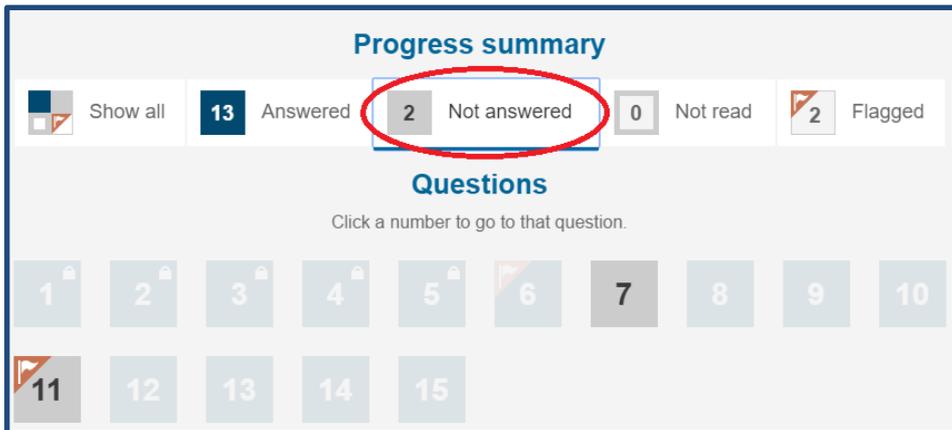
- 13 questions have been answered.
- 2 have not been answered (Questions 7 and 11)
- all questions have been read
- 2 have been flagged to return to later (Questions 6 and 11)

Clicking on a question number in the progress summary screen will take you to that question, provided you have already seen that question. You can't jump ahead by using the progress summary screen.

**Filtering the progress summary screen**

Clicking on Show All, Answered, Not Answered, Not Read or Flagged will filter the screen to show only those questions.

Here, clicking on 'Not answered' has filtered to show only Questions 7 and 11.

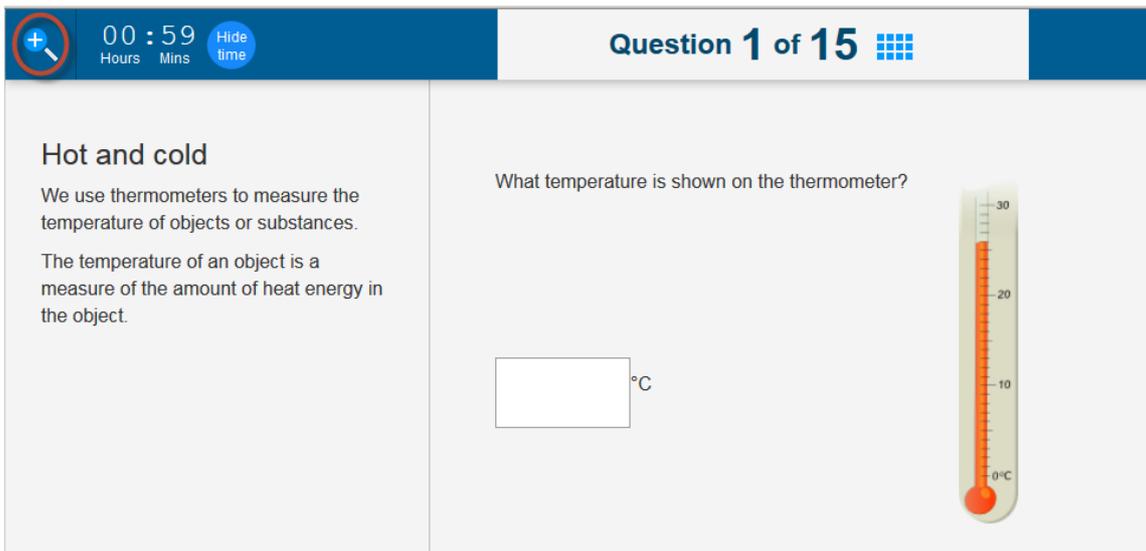


**TOOLS IN THE TESTS**

The tests offer many tools. Not all tools will be available in each test; this will depend on the domain and year level. For example, the calculator tool is only available in the NAPLAN Numeracy tests for years 7 and 9.

**Zoom**

In the top left hand corner is a Zoom icon.



The Zoom icon makes the image on the screen larger or smaller. Click on the Zoom to choose an option of 150, 200 or 300%. To turn magnification off, click on the same icon and select 100%. When you move to the next question the zoom will reset to 100%. You may need to use the scroll bar as a result of changing the magnification.

## Timer

The timer is next to the zoom icon.



This tells you how much time you have remaining to complete the test. You can choose whether you display or hide the timer by clicking on Hide/Display but the timer will always be locked to display in the last five minutes of the test.

The demonstration tests show the same time allocated as the NAPLAN tests, even though they are mini-tests with fewer questions; you can take the time you need to familiarise yourself with the test features.

## NAP-SL RESOURCE TEXTS

In NAP-SL you will be required to read short texts in the resource panel. The texts within the resource panels provide context to answering the question. The texts and questions will appear side-by-side.

You can click on the arrow between the text and the question to expand the text. This will show the text alone, without the question.

00:59  
Hours Mins Hide time

Question 1 of 15

**Hot and cold**

We use thermometers to measure the temperature of objects or substances.

The temperature of an object is a measure of the amount of heat energy in the object.

What temperature is shown on the thermometer?

°C

30  
20  
10  
0°C

You can return to the split-screen view by clicking the arrow again. It is now on the right of the screen.

00:57  
Hours Mins Hide time

Question 1 of 15

**Hot and cold**

We use thermometers to measure the temperature of objects or substances.

The temperature of an object is a measure of the amount of heat energy in the object.

## QUESTION TYPES

When you take the test, you will see a range of different question types. For instance, you may have to click a button to answer a multiple choice question, drag a word into an answer box or select a point on a picture. You will find examples of each question type you may encounter in the examples below.

### Multiple choice

In a multiple choice question you need to select one answer out of a number of options by clicking one radio button. To change your answer, just click a different radio button.

+ 🕒
Question 6 of 15 🗪

**Sparkling teeth**

Dental fillings are used to repair teeth and treat tooth decay.

Some tooth fillings have a silver colour while others are tooth-coloured.

The diagram shows the teeth adults normally have in their lower jaw. The same number and type of teeth are in the upper jaw.



Teeth of the lower jaw

James is 25 years old. He needed to get a filling done. He asked the dentist to use a silver-coloured filling because the tooth was not very visible.

Which type of tooth most likely needed the filling?

- a canine
- an incisor
- a molar
- a premolar

### Extended text entry

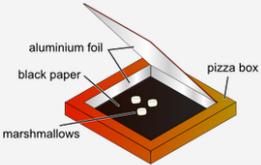
To answer a text entry question you have to write your answer in an answer box. You can delete your answer by placing your cursor at the end of what you have typed and use the backspace key, or by highlighting your answer and using the delete key. You can then type in your new answer.

+ 🕒
Question 12 of 15 🗪

**Pizza box cooker**

A solar cooker uses light from the sun to heat food.

Patrick made a solar cooker out of a pizza box. He put aluminium foil under the lid and around the sides. Then he put black paper on the bottom of the pizza box. Next, Patrick put some marshmallows in the solar cooker.



Why did Patrick put black paper on the bottom of the solar cooker?

Place your answer here

### Select point

To answer a select point question you have to place a point on an image. You do this by clicking on the image at the place that you think answers the question being asked.

+
Question 15 of 15

#### Jupiter's moons

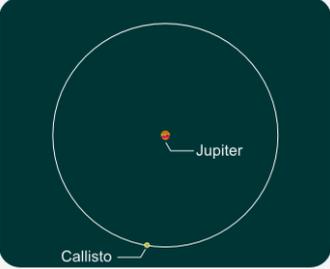
Jupiter is the largest planet in our solar system.

The four largest moons of Jupiter are called Io, Europa, Ganymede and Callisto.

Moon	Distance from Jupiter (km)	Time taken to travel around Jupiter (days)
Io	421 700	1.8
Europa	671 034	3.6
Ganymede	1 070 412	7.2
Callisto	1 882 709	16.7

The diagram shows the moon Callisto and its orbit.

Plot a point on the diagram to show where Callisto will be 8 days later.



### Drag and drop

To answer a drag and drop question you have to move one or more items into one or more answer boxes. These items may be words, phrases, sentences, numbers, pictures, or even coordinates on a graph. To drag an item, position your cursor on it, click and hold, then drag it to the correct answer box. To change your answer, drag the item back to its starting position, then choose a new item and drag it to the answer box.

+
Question 5 of 15

#### Sparkling teeth

Dental fillings are used to repair teeth and treat tooth decay.

Some tooth fillings have a silver colour while others are tooth-coloured.

The diagram shows the teeth adults normally have in their lower jaw. The same number and type of teeth are in the upper jaw.



Teeth have different shapes and have different roles when we eat.

Match the type of tooth to the descriptions in the table.

Type of tooth	Upper surface	Role
<input type="text"/>	pointed	stabs into food, helps tear food
<input type="text"/>	thin and blade like	cuts into food
<input type="text"/>	broad and wide	crushes food, chews food

incisor

molar

canine

## FINISHING THE TEST

At the end of the test, you will be taken to the progress summary screen.

### Progress summary screen

The screenshot shows the 'Progress summary screen' for 'Question 15 of 15'. A message box at the top states: 'You have reached the end of the test. To check your answers, click a question number below. If you are ready to finish the test, click *Finish*.' Below this is a 'Progress summary' section with four categories: 'Show all' (15), 'Answered' (15), 'Not answered' (0), 'Not read' (0), and 'Flagged' (0). Underneath is a 'Questions' section with the instruction 'Click a number to go to that question.' and buttons for questions 1 through 15. At the bottom of the screen, there are two buttons: 'Back' on the left and 'Finish' on the right, which is circled in red.

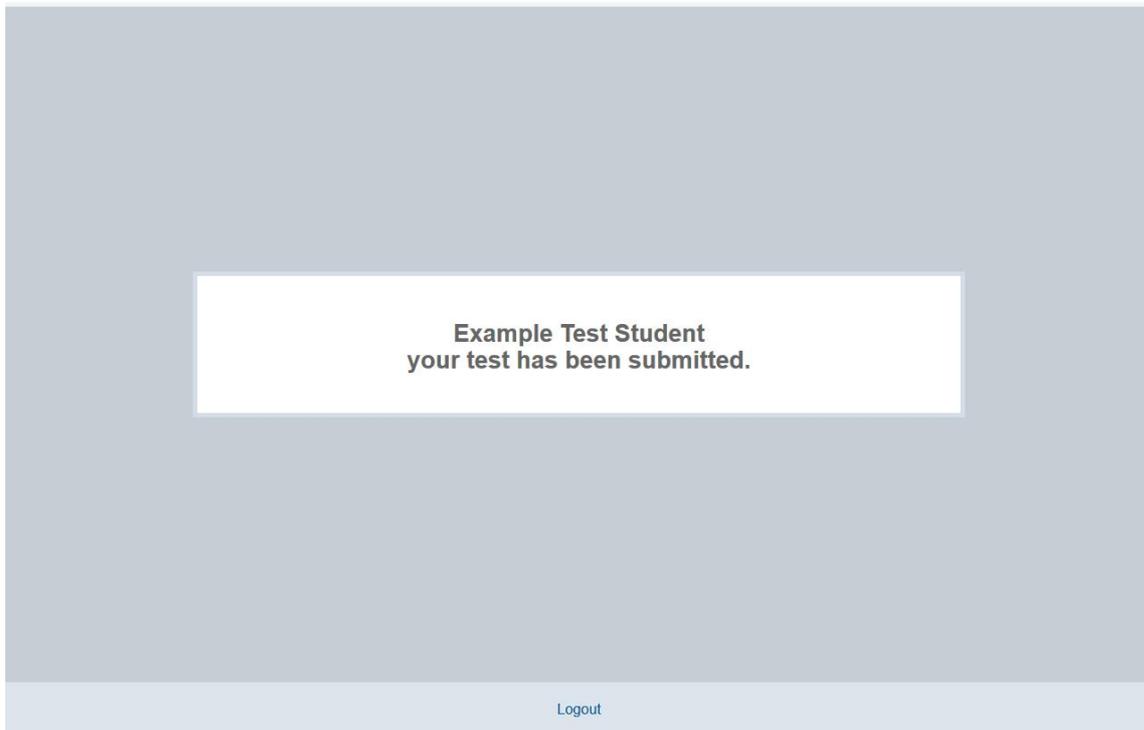
Once you have checked that you have finished, you can click Finish. This will take you to a confirmation screen.

### Confirmation screen

The screenshot shows the 'Confirmation screen' with the title 'NAP Science Literacy 2015 Demonstration'. The main text asks, 'Are you sure you want to finish the test?'. At the bottom, there are two blue buttons: 'No' on the left and 'Yes' on the right.

Click Yes. This will take you to the exit screen.

*Exit screen*



In the demonstration tests, you should close your browser at this point.

In NAP-SL test, there will be a short survey for students to answer, followed by a set of logout screens.

## LIST OF QUESTIONS

The table shows the complete list of questions and the connections to the Australian Curriculum: Science.

Test Order	Title	Australian Curriculum strand	Code	Sub-strand
1	Hot and cold	Science Inquiry Skills	AC SIS055	Planning and conducting
2	Recording results	Science Inquiry Skills	AC SIS068	Processing and analysing data and information
3	Recording results	Science Inquiry Skills	AC SIS040	Processing and analysing data and information
4	Energy for the future	Science as a Human Endeavour	AC SHE100	Use and influence of science
5	Sparkling teeth	Science Understanding	AC SSU043	Biological sciences
6	Sparkling teeth	Science Inquiry Skills	AC SIS040	Processing and analysing data and information
7	Ant-lions	Science Understanding	AC SSU030	Biological sciences
8	Floods	Science as a Human Endeavour	AC SHE217	Use and influence of science
9	Floods	Science as a Human Endeavour	AC SHE217	Use and influence of science
10	The moon	Science Understanding	AC SSU078	Earth and space sciences
11	Electric circuits	Science Inquiry Skills	AC SIS221	Processing and analysing data and information
12	Pizza box cooker	Science Understanding	AC SSU080	Physical sciences
13	Pizza box cooker	Science as a Human Endeavour	AC SHE220	Use and influence of science
14	Jupiter's moons	Science Understanding	AC SSU078	Earth and space sciences
15	Jupiter's moons	Science Inquiry Skills	AC SIS107	Processing and analysing data and information