Teacher V5.5b

Date completed:							(Please Print)
First & Surname:							(Please Print)
I am:		ale	[	Fema	ile		(Please mark an 'X')
School:							(Please Print)
Your email addre	ss: _						(Please Print)
Years Taught:	7	8	9	10	11	12	(Please Circle)
	Oth	er:					(Please specify)
School Name:							(Please Print)
Type of School:	☐ G	overnme	nt Scho	ool 🗌	Catholic	Systemic	School
	☐ In	depende	ent Sch	ool 🗌	Catholic	Indepen	dent School
	□ O	ther:					(Please specify)
City:				:	State:		(Please Print)

We are interested in what you think about science lessons at school.

On the following pages are some questions. *There are no right or wrong answers.* We are asking for your **personal opinion**. Please answer these questions as honestly as you can.

Please read each sentence carefully. Answer by putting a circle around the number, or mark an 'X' in the box that is right for you. If you make a mistake with your circle, put a cross over it, and then circle the right number. If you want to change your box response, fill in the original box 'X' instead.

**Important:** Please choose only **one** of the items on the multiple choice scales (e.g. *do not* write 3.5 or circle two items such as (3) and (4). We incorporate all comments in the survey into our research, so please leave comments if your single choice of (3) or (4) does not adequately cover your *true* opinion.

Look carefully at the top of each page to see how to choose or write your answer.



Fo	r each question, mark an 'X'	in the box or write where appropriate
1	What is your age?	
	<25	36-40 41-45 46-50 51-55 >55
2_	What position do you hold on t	t <u>he</u> staff?
	Principal	Deputy Principal/Assistant Principal
	Classroom Teacher	Head of Department/Subject Co-ordinator
3	On what basis are you employ	ed?
	Full time permanent	Part time permanent
	Casual/Relief Teacher	Temporary/short term contract
4	Please advise information on s	science qualification(s), if any, you hold.
	Bachelor of Science	Bachelor of Science (Honours)
	Bachelor of Applied Science	Bachelor of Ed. with integrated Science degree
	Bachelor of Engineering	Graduate Certificate in Science
	Diploma of Science	Post Graduate Research (Masters or PhD)
	Non-Research Masters	Other
5	<b>Describe the following feature</b> provide clarification)	es of your science degrees (If multiple, please
Ma	jor study area/s	
Mir	or study area/s	
Uni	versity	Graduation Year
6	Please provide information on	the teaching qualifications you hold.
	Bachelor of Education	Diploma of Education
	Graduate Certificate of Education	Master of Education, non-Research
	Master of Education, Research	Master of Teaching, non-Research
	Doctor of Philosophy	Other
Uni	versity	Graduation Year
7	<b>Describe the following feature</b> provide clarification)	es of your teaching degrees (If multiple, please
Ma	jor study area/s	
Mir	or study area/s	
Uni	versity	Graduation Year
8	Please provide information on certificates you hold.	any other tertiary degrees, diplomas or

9 How many years have you l	peen teaching secondar	y scier	ice, inc	luding	
temporary employment?			25		
<1 year 1-3 4-7	8-12 13-25	□ >	25 year	S	
10 How long have you been te	aching at this school?				
<pre>&lt;1 year</pre>	8-12 13-25	>	25 year	'S	
11 Which science courses are y that apply)	you formally qualified t	o teach	? (Pleas	e mark '	X' to all
Junior Science Senio	or Physics Senior	Chemis	stry		
Senior Biology Senio	or Multi-strand 🔲 Earth a	and Env	ironmer	ntal Scie	nce
None Othe	r (please specify):				<u>.</u>
12 Please advise the science so (If insufficient space, please ad	dd details on a separate p	age)			
Course/Subject	Grade Level of Studen			s) Taug	ht
Example: Biology	Grade 11	20	09 and .	2010	
13 Have you undertaken any for development activities in as					
14 Please rate each item of ma		ort per	rsonnel Seldom	for its Usually	Always
Well equipped science laboratories					
Sufficient laboratory consumables					
Suitable laboratory assistant(s)					
Suitable AV equipment					
Suitable computer resources for te	acher use				
Appropriate number of computers	for student use				
A reliable Internet connection					
A fast Internet connection (>1 Meg	jabit/second)				
Suitably skilled ICT support staff					
Other computing hardware for teach	thing and learning science				

15 How many computers are in a typical science	lab at	your s	chool	<u> </u>	
16 Please comment on your school's type of Inteconnection and any other issues that you may use.			-	_	
How often do these things happen in your scie	nce cl	<b>ass?</b> (P	lease c	ircle)	
17 As a science teacher I	Never	Once a term or less	once a	About once a week	every
tell students how to improve their work.	1	2	3	4	5
give students quizzes that they self-correct so that they can see how they are going.	1	2	3	4	5
talk to students and give them feedback on how they are getting on in science.	1	2	3	4	5
allow students to choose their own topics to investigate	1	2	3	4	5
18 In my science class					
students copy notes that I give them.	1	2	3	4	5
I give my students the opportunity to work out explanations in science individually.	1	2	3	4	5
I give my students the opportunity to work out explanations in science with peers.	1	2	3	4	5
I provide opportunities for my students to explain their ideas.	1	2	3	4	5
my students read a science textbook.	1	2	3	4	5

I demonstrate experiments.

scientists and what they do. students work in groups.

experiments.

I give instructions to my students to follow when completing

I allow students to plan and do their own experiments.

I provide learning experiences for students to learn about

students look for information on the Internet at school.

students investigate to see if their ideas are right.

I provide opportunities for class discussions.

students use computers to do science work.

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# Indicate how often these things happen in your science class by writing an appropriate number in the space provided, or circle as required.

#### 19 In my science class, I plan for students to...

participate in practical work outside the classroom e.g. schoolyard, other outdoor areas, library or computer lab.	 day(s) a term.	day(s) a year
have excursions to the museum, science centre, Questacon or similar places.	 day(s) a term.	day(s) a year
listen to visiting speakers who talk to them about science.	 day(s) a term. ———	day(s) a year

20 As a science teacher I (Please circle one each)	Never	Once a term or less	About once a month	About once a week	Nearly every lesson
mark students' work and give it back quickly	1	2	3	4	5
make it clear what students have to do to get good marks	1	2	3	4	5
use language that students easily understand	1	2	3	4	5
take notice of students' ideas	1	2	3	4	5
show students how new work relates to what we have already done.	1	2	3	4	5

	Never	Once a	About	About	Nearly
21 During esiones lessons I feel students		term	once a	once a	every
21 During science lessons I feel students		or less	month	week	lesson
get excited about what we do.	1	2	3	4	5
have enough time to think about what we are doing.	1	2	3	4	5
are curious about the science we do.	1	2	3	4	5
are bored.	1	2	3	4	5
don't understand the science we do.	1	2	3	4	5
find science too easy.	1	2	3	4	5
find science challenging.	1	2	3	4	5
think science is too hard.	1	2	3	4	5

21 The science I teach at school	Almost never	Some- times	Often	Very often	Almost always
is relevant to my students' future.	1	2	3	4	5
is useful in my students' every day life.	1	2	3	4	5
deals with things that my students are concerned with.	1	2	3	4	5
helps my students make decisions about their health.	1	2	3	4	5
helps my students understand environmental issues.	1	2	3	4	5

23 To what extent do you agree with the following statements? (Please circle)	Strongly disagree	Disagree	Some- times	Agree	Strongly agree
I enjoy science in general.	1	2	3	4	5
I enjoy science teaching.	1	2	3	4	5
I enjoy the science I teach at this school.	1	2	3	4	5
(If applicable) I enjoy the science in <i>Space to Grow materials</i> that I am planning on teaching for that unit in my class/es.	1	2	3	4	5

**24** A science teacher has many tasks to perform, many roles to fulfill and many pressures placed upon them. Below are only five of these roles. We are interested in your perception of these tasks/roles/pressures. All are important facets of a teacher's job. From your perspective, please *rank* them in order from 1 to 5 in level of personal importance from your perception as a science teacher.

<b>My</b>	role as a science teacher is to (Please rank 1 as highest to 5 as lowest) teach students. report student outcomes to relevant stakeholders. facilitate students learning. assess students' learning outcomes. help students understand science.
25 	In my science class, I really like the way I (Please mark 'X' to all that apply) incorporate practical work. demonstrate experiments. incorporate group work. relate scientific content to students' everyday life promote class discussion. facilitate scientific inquiry. incorporate technology. cater for individual differences. allow students to conduct their own investigations. Other (please specify):
	incorporate practical work.  demonstrate experiments. incorporate group work. relate scientific content to students' everyday life promote class discussion. facilitate scientific inquiry. incorporate technology. cater for individual differences. allow students to conduct their own investigations.

	the way students learn in your science class? (Please mark 'X' to all that apply)
	Lessons are too teacher-directed.
	Little time for preparation.
	Limited amount of time to cover the scientific content.
	Lessons mainly involve students copying notes
	Lack of resources/equipment.
	Insufficient facilities for conducting practical work.
	Limited access to technology.
	Little opportunity for outside experiences (e.g. excursions)
	Lack of resources/equipment.
	The theory-laden way in which the scientific content is covered.
	The focus placed on assessment and meeting assessment deadlines.
	My lack of content/background knowledge in some science topics I teach.
	My lack of confidence in using technology in science classes.
	Student behavior problems that have to be dealt with in lessons.
	Other (please specify):
27	My science class could be improved by (Please mark 'X' to all that apply)
<b>27</b>	making lessons more student-centered.
<b>27</b>	making lessons more student-centered. having access to more resources/equipment.
<b>27</b>	making lessons more student-centered. having access to more resources/equipment. incorporating more group work.
<b>27</b>	making lessons more student-centered. having access to more resources/equipment. incorporating more group work. having better access to, and use of, technology.
27 	making lessons more student-centered.  having access to more resources/equipment.  incorporating more group work.  having better access to, and use of, technology.  incorporating more practical work.
<b>27</b>	making lessons more student-centered.  having access to more resources/equipment.  incorporating more group work.  having better access to, and use of, technology.  incorporating more practical work.  having more time to cover the scientific content.
27 	making lessons more student-centered.  having access to more resources/equipment.  incorporating more group work.  having better access to, and use of, technology.  incorporating more practical work.  having more time to cover the scientific content.  having smaller class sizes.
27	making lessons more student-centered.  having access to more resources/equipment.  incorporating more group work.  having better access to, and use of, technology.  incorporating more practical work.  having more time to cover the scientific content.  having smaller class sizes.  incorporating more inquiry-based lessons.
27 	making lessons more student-centered. having access to more resources/equipment. incorporating more group work. having better access to, and use of, technology. incorporating more practical work. having more time to cover the scientific content. having smaller class sizes. incorporating more inquiry-based lessons. having more time for lesson preparation.
27 	making lessons more student-centered. having access to more resources/equipment. incorporating more group work. having better access to, and use of, technology. incorporating more practical work. having more time to cover the scientific content. having smaller class sizes. incorporating more inquiry-based lessons. having more time for lesson preparation. having more opportunities for teacher professional development.
27 	making lessons more student-centered. having access to more resources/equipment. incorporating more group work. having better access to, and use of, technology. incorporating more practical work. having more time to cover the scientific content. having smaller class sizes. incorporating more inquiry-based lessons. having more time for lesson preparation. having more opportunities for teacher professional development. making the science content more relevant to students' everyday life.
27 	making lessons more student-centered. having access to more resources/equipment. incorporating more group work. having better access to, and use of, technology. incorporating more practical work. having more time to cover the scientific content. having smaller class sizes. incorporating more inquiry-based lessons. having more time for lesson preparation. having more opportunities for teacher professional development.

28	I think the declining number of students pursuing the sciences in Years 11 and 12 and beyond is related to (Please mark 'X' to all that apply)
	the lack of relevance to students.
	the perceived difficulty associated with science subjects.
	the lack of well paid jobs in science (little financial reward).
	the fact that there are more options for students in terms of subject selection.
	stereotypes associated with scientists and science subjects (e.g., science is for nerds).
	a negative experience in Year 7-10 science (found science boring).
	the low profile science has in society.
	gender differences in subject selection (fewer females selecting science subjects).
	Other (please specify):
29	At your school, approximately what number of Year 10 students select Physics as one of their Year 11 subjects? (Please mark with an 'X')
	<10 students
	10-15 students
	16-20 students
	21-25 students
	26-30 students
	31-35 students
	36-40 students
Ш	>40 students
30	Approximately what percentage does the number of students selecting Physics in Year 11 from question 29 represent? (Please mark with an 'X')
	= <10% representation of the whole Year 10 cohort at my school
	= 10-20% representation of the whole Year 10 cohort at my school
	= 20-30% representation of the whole Year 10 cohort at my school
	= 30-40% representation of the whole Year 10 cohort at my school
	= 40-50% representation of the whole Year 10 cohort at my school
	= 50-60% representation of the whole Year 10 cohort at my school
	= >60% representation of the whole Year 10 cohort at my school



Thank you for filling in this questionnaire!