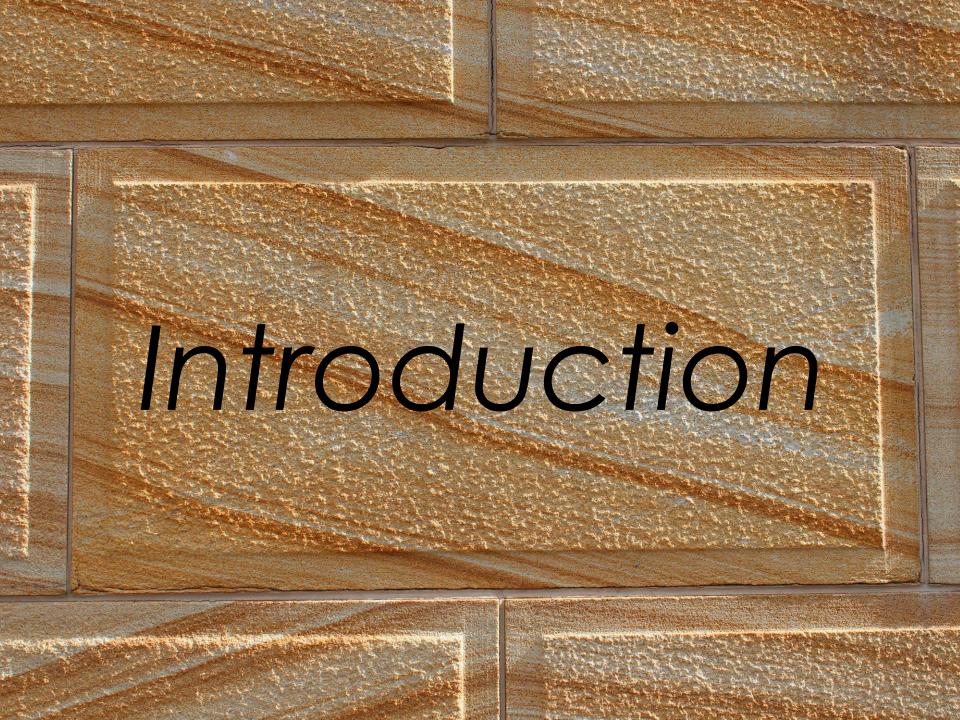
LOW SES MEETS HIGH EXPECTATIONS

A research-led approach to successful student research

INGRID LEES



Resources available at the end ③

training spinsters, Spinsterscoper and Shink, Spinster, late the rangementations for these Secondarian generational has hive house and incompanying the Represents An He shadori at \$102 by v. for with courdinating Evidence. the Principal's active involvement. eff the changing needs of the school - Since even overseen by the Head of Senior School who athing and achievement at PGHS. The current Crossand of Senior School were the two key teachers for the PGHS -s to one or more classes every year since the subject first started

Staffing

In the same way that the leadership of the Research Project has changed year to year, the staffing of the subject has also reflected changes in priority within the school over time. Staffing a new SACE subject with teachers more accustomed to working in traditional faculty areas can vary between selecting "whoever is left" through to "who is best for this particular job". In 2013, our focus in selecting staff to teach the Research Project has been focussed on people with experience and/or passion for the subject, who may the PGHS Research Project philosophy. More on this

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Successful student research at PGHS

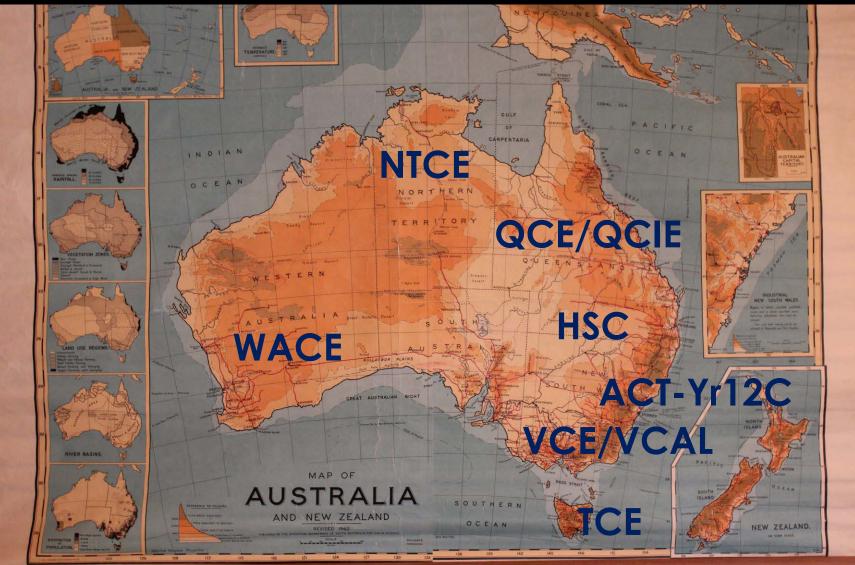
Parafield Gardens High School

http://www.pghs.sa.edu.au/

PGHS Overview

33% School Card 10% NEP 24% EALD 22% NESB 6% ATSI students

Year 12 around Australia



SACE

South Australian Certificate of Education

Home	Learning	Schools	Students	Connect	News
				Student mo Student SACE Ne The latest r Aborigina Registration SACE Ar	provement initoring materials and improv t monitoring videos ws - Term 2 news from the SACE Board for al Student Pathways Co ns are now open t Show 2015 udent videos from the Meet th stories

ASPC 2015 WWW.Sace.sa.edu.au

Former SACE students share their exper

SACE & The Research Project

The compulsory requirements are:

- Personal Learning Plan 10 credits at Stage 1
- literacy at least 20 credits from a range of English subjects (Stage 1 or Stage 2)
- numeracy at least 10 credits from a range of mathematics subjects (Stage 1 or Stage 2)
- Research Project 10 credits at Stage 2
- other Stage 2 subjects at least 60 credits from a range of Stage 2 subjects.

THE RESEARCH PROJECT

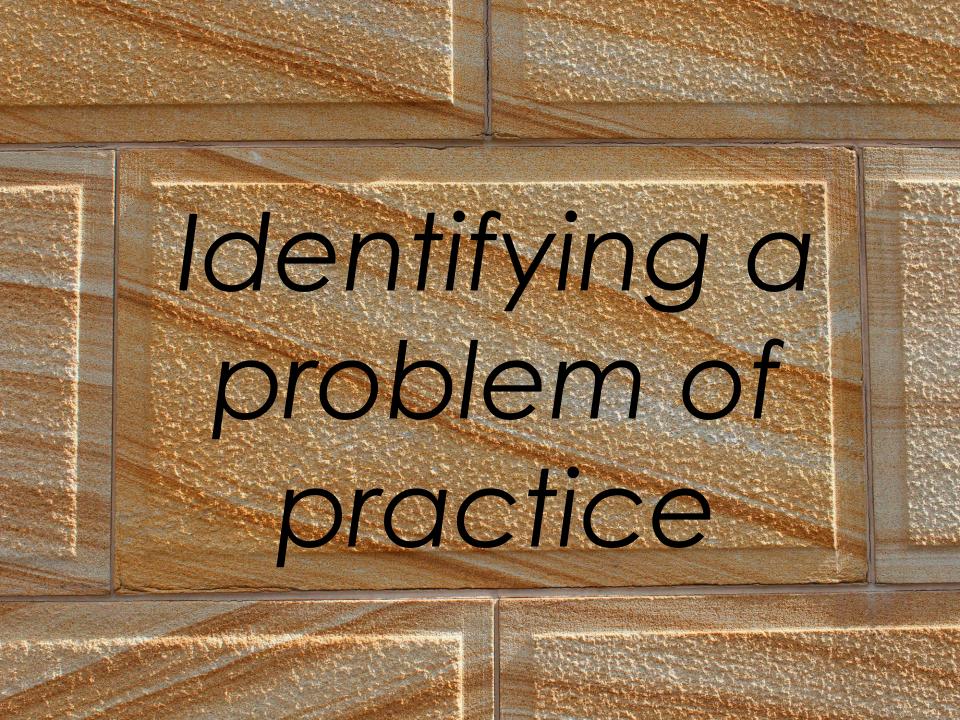
- Doesn't assess content knowledge
- Assesses students research skills and processes including:

Planning Analysis Synthesis

Substantiation

Evaluation

www.sace.sa.edu.au/web/research-project



2011 – First year of the RP

- Focus on "it's compulsory"
- Focus on "just pass it and move on"
- Shallow rather than deep learning & assessment
- Of a large Yr 12 cohort, only three students got A-band results (3 A-grades)

2013 – Third year of the RP at PGHS



Nick Zissopoulos and Ingrid Lees presenting at The Watershed, 21st Nov 2013

- Involvement in the 2013 Leading SACE Improvement Program
- One of eight LSIP schools in 2013 (PGHS = Research Project)
- Sharing our strategies for improving SACE/RP achievement

Actions taken to improve student achievement

What's the key?



Evidence-based improvement

John Hattie

Dylan Wiliam

Lyn Sharratt

Victoria Bernhardt

Keys to Success

Mindset
 Learning Intentions
 Success Criteria
 Feedback

To the RP teacher: What do you think?

- About the Research Project
- The place of RP in SACE
- Value of RP as a subject
- The meaning of 'compulsory'

What do you think about your students?



...and the quality of the work they submit to you?

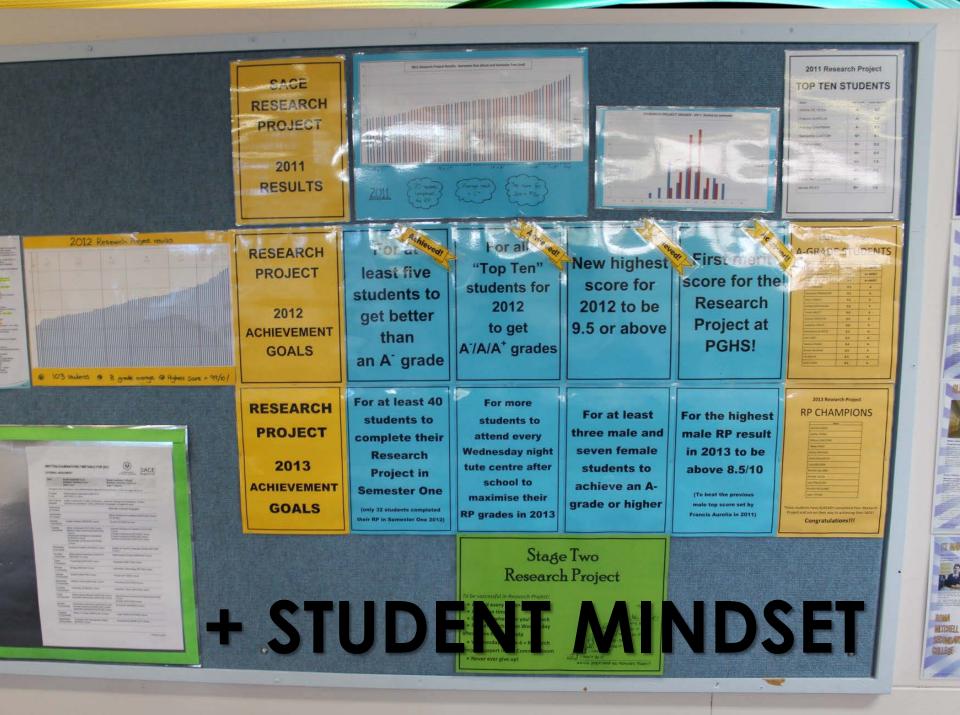


TEACHER MINDSET

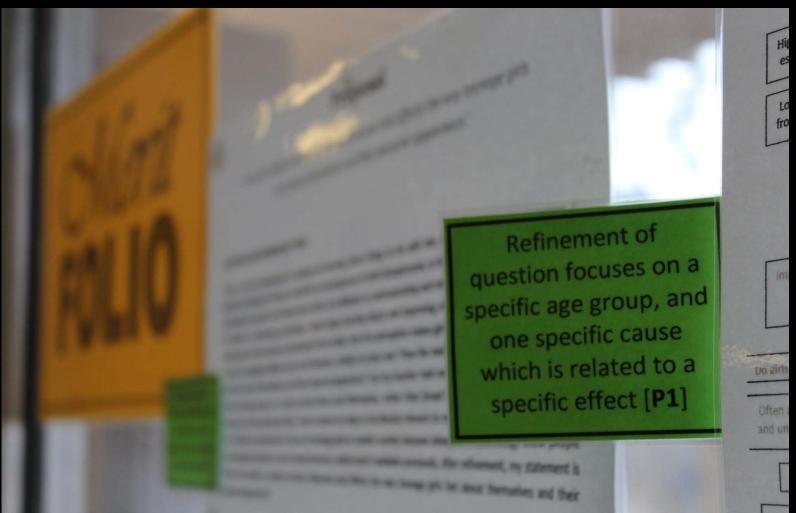
How teachers view the value of the Research Project and how they view their students' potential for growth in their achievement will affect how they teach the subject.

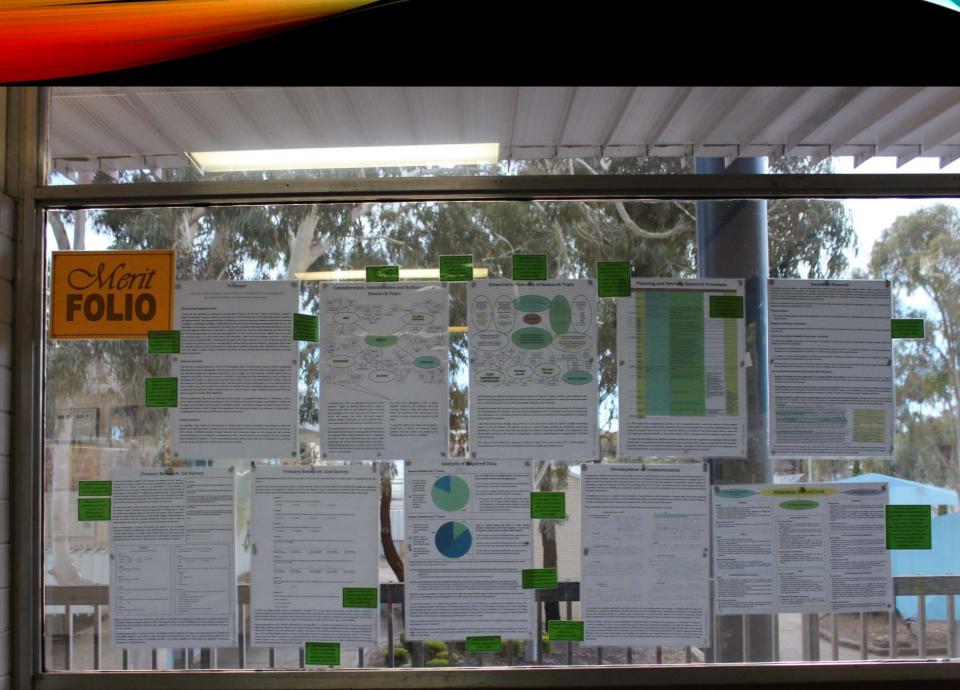
The mindset of the teacher WILL* affect their students results.

*(hopefully positively)

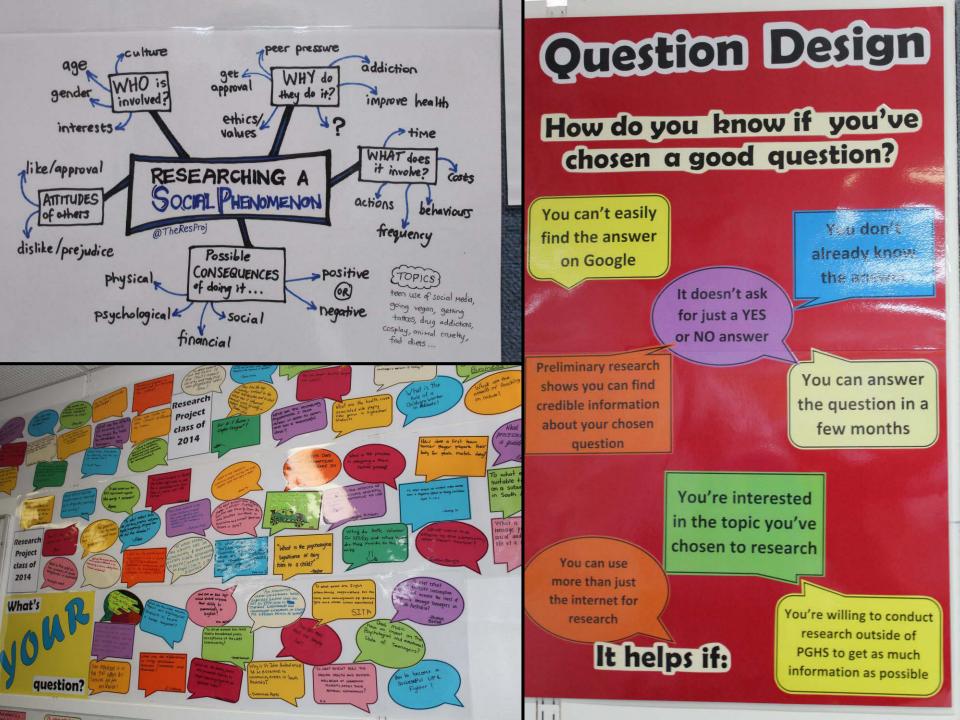


Learning Intentions = No mysteries







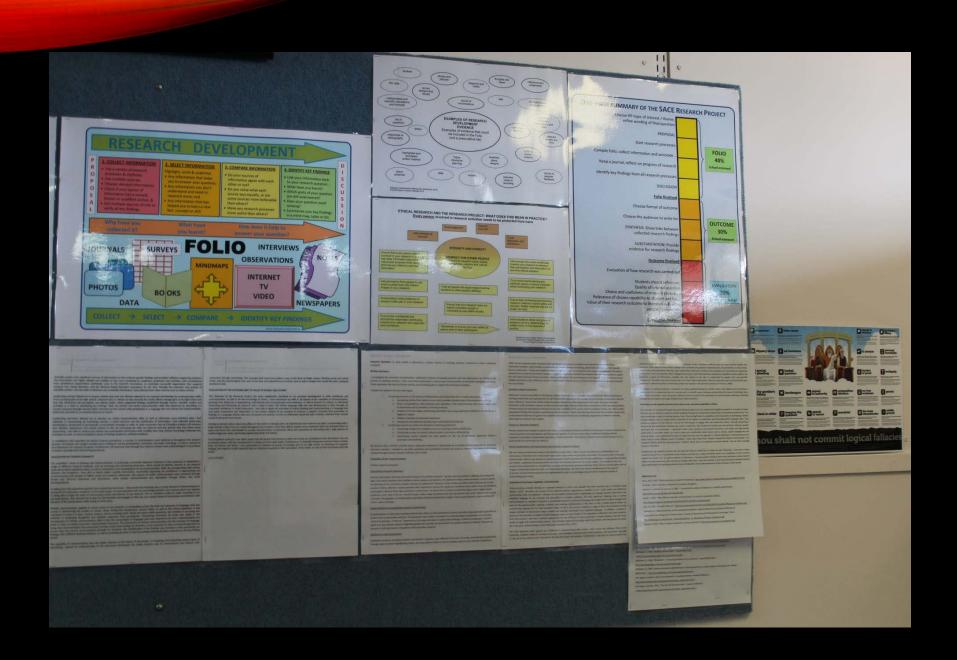


Learning Intentions

- Clear tasks, broken down into discrete steps
- Purpose is always clear, never "just do it"
- Scaffolds available for low literacy students
- New processes involves new knowledge
- Show them what good \rightarrow great looks like



Heart Di



Success Criteria

- What does an A grade piece of work look like?
- What are the features of $C \rightarrow B \rightarrow A$ standards?
- Provide examples of high-level literacy writing
- Explain the standards & SACE language; don't dumb it down
- Raise expectations
- Explicitly discuss executive functions that aid students willingness to improve their work over time (persistence / resilience / delayed gratification)

Feedback



Feedback

- NON-GRADED formative feedback is at the centre of what we do at PGHS
- Formative = Promotes thinking & drives future action
- Not praise or effort or completion/achievement
- Definitely no grades, only use language of standards
- Don't do everything at once
- Differentiate between feedback about topic content, research process, and any literacy issues

RESEARCH PROJECT Question Check – for Interviews, Surveys, Phone Calls, Emails etc.

	Description	Student/teacher comments
PLANNED	 ☑ The student understands the difference between OPEN and CLOSED questions. ☑ The student has PLANNED which type of question to use to get answers of appropriate simple/complex detail. A mix of different question types may be used in the same survey or interview. ☑ If responses/answers are QUANTITATIVE (e.g. to be graphed) questions have been designed to make analysis simple: yes or no, checkboxes, Likert scales, or use electronic survey analysis tools like Survey Monkey to analyse responses. ALSO → An appropriate sample size of respondents has been determined. ☑ If responses/answers are QUALITATIVE, sufficient space has been allowed for a longer response. ☑ You have planned the right time and place to ask the questions (whether electronic or face-to-face). ☑ You have carefully planned WHO to direct these questions to; what do they know about your topic? 	
RELEVANT	Every question helps you answer a distinct part of your RP question. The questions may not cover ALL parts of the topic (depending on expertise of respondent) but none of the questions are irrelevant.	
IMPARTIAL	None of the questions are "leading" questions. None of the questions are written in such a way to prompt a particular response, or anticipate what the respondent might choose to say.	
CLEAR	The wording of each question is unambiguous and can only be understood in one way. Check this by giving a draft copy to someone who knows nothing about your topic first before asking others.	
SPAG	Spell-check your work and make sure the spelling/grammar/syntax has been checked by a teacher as well.	
SAFE	 All planned questions are safe and not personally revealing in any way. If you are to interview someone off school grounds, you have considered a safe time and place to do this. You may choose to take someone with you for the interview. Your teacher has been informed about any off school grounds research activities. 	

ingrid.lees89@schools.sa.edu.au → request a copy!

weak	Satisfictory	irrelevant	therefore		
deficient	Sufficient	immaterial	accordingly		
Ineffectual.	acceptable	inapplicable	hence		
Validated	proven	established	Supported		
Corroborated	SUBSTANTIATED	affirmed	Strengthened		
outrenhasted	Confirmed	Nerified	boosted		
however		widen, increas			
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Literacy support





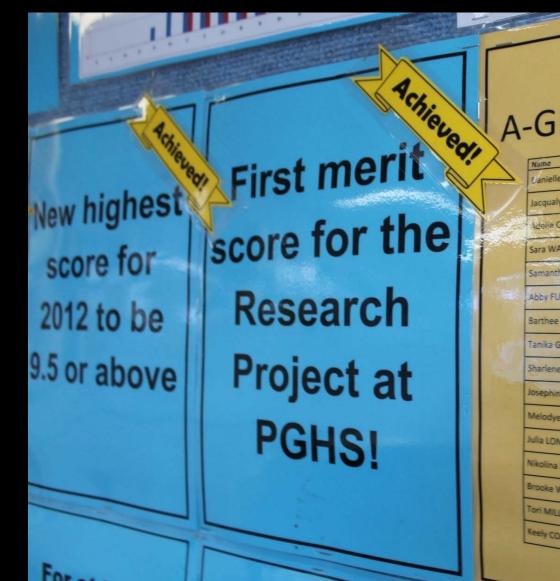


2013 Research Project students were awarded 3 Merits

2014 Research Project students were awarded 5 Merits

2015 = ?

2012 = Three RP Merits



HOW WE HAVE IMPROVED ALONG THE WAY

- We have focussed as much on supporting and developing student literacy/writing skills as we have on supporting their achievement of SACE standards
- We have learnt that developing a 'growth mindset' in individual students is both a daily struggle and delight
- We now know that there are distinct benefits when more than one teacher is responsible for a Year 12 subject.
- Making connections with other teachers is one of the best ways for teachers and schools to reflect on what they do and then to get better at what they do
- On reflection, specific school structures and leadership decisions have helped us to achieve success

SCHOOL STRUCTURES AFFECTING THE RP

- PGHS has a designated RP (Cross-Disc Std)
 Coordinator
- Research Project preparation occurs throughout the previous year (Year Eleven)
- RP is only formally taught at Yr 12 (greater student maturity)
- All classes are taught in a dedicated Yr 12 RP room
- Two of the six classes are taught by the RP Coord
- The Head of Senior School is also an RP teacher
- There is also active support for Yr 12 RP completion through weekly extended HG lessons



Keys to Success

Mindset
 Learning Intentions
 Success Criteria
 Feedback

plus one more...



LISTEN SHARE RESEARCH **GET ONLINE VISIT OTHERS** COLLABORATE **ASK QUESTIONS** SHARE THE ANSWERS

TALK

READ

http://pixshark.com/speech-bubbles-conversation.htm

facebook.com/theresearchproject



re Pa

The Research Project Page Liked · 5 December 2014 - @

This is for Richard Hellier.

Today I ran a 'Strategies and Ideas' session for Research Project teachers from a wide range of schools; government and private, city and rural. The early feedback has been brilliant - thank you all! - and I'll post a longer reflection about the shared learning later tomorrow...

Last year I was very fortunate to be involved in the first round of the DECD Leading SACE... See More

Tag photo	• Add location	/ Edit				
Like Comment	Share		<u>10</u> -			
	nielle Cannon, Bob na Spencer <mark>and</mark> 21 c					
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while co	earch Project I'm g ming along and being aply - 6 December 20	g a part of th	ne day			
would be including spin off f	Julie Ahrens Richard was an inspiration! He would be proud, well done and thankyou for including our Glossop teachers - another great spin off from our best practice day visit Unlike Reply 2 5 December 2014 at 21:07					
Penny H inspired!	lanks Thank you so	much - enth	nusiasm			
Write a	comment		00			

5th of December, 2014 @ Parafield Gardens High School



Say hello!

Ingrid Lees

Senior Leader: Teaching and Learning
PARAFIELD GARDENS HIGH SCHOOL

facebook.com/pghsadelaide

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Thanks Sydney!

All photos in presentation taken by Ingrid Lees