

Science Board Report 2018

Background see: [Science Board Report 2017](#)
[Board self review of report 2017](#)

Summary of Next Steps from 2017 Review

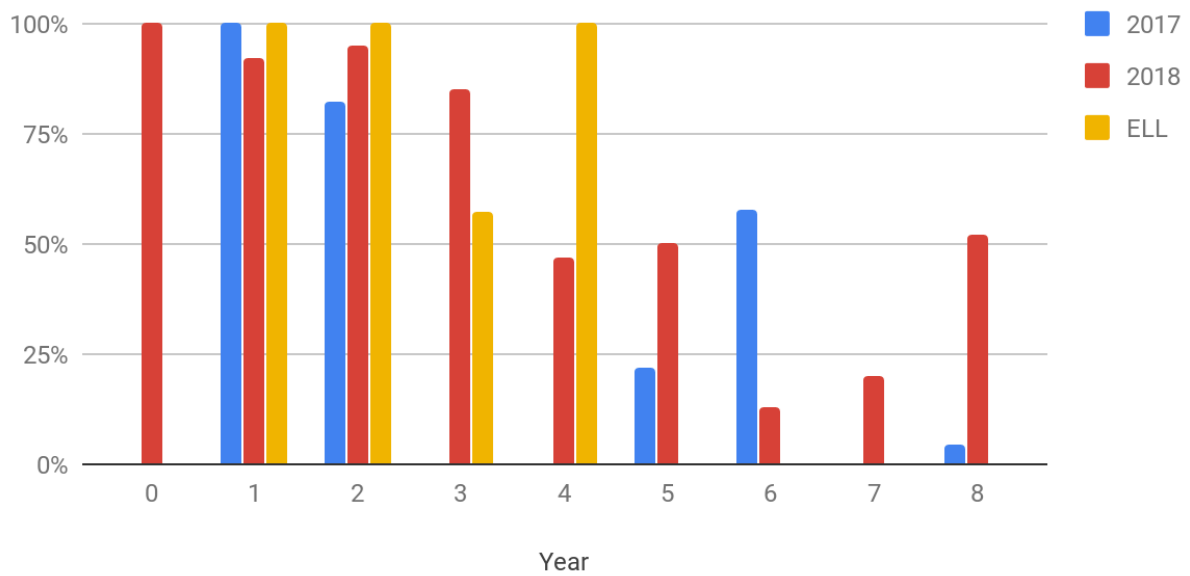
All next steps were included in annual plans for 2018

Next Step	Action	Outcome
Staff pd in science	Formation of STEAM (science, technology, engineering, art and maths) team for 2017. One unit between two teachers plus Maths and Science coordinator unit - this is considerable unit resource into this project. STEAM team provided with aims and outcomes	STEAM room developed as a resource for all teachers and a base for practical science. Scaffolds and resources provided by the STEAM team so that all teachers could engage in Nature of Science experiments and support consistent student understanding. Staff meeting led by STEAM team.
Make a science rubric	Discussions between principal and principal of St Kevin's led to an agreement to make a combined rubric. This was then extended to the COL. The COL across school teacher coordinated meetings between teachers across schools and the follow up rubric.	Combined rubric for nature of science from year 1 to 13 created term 2.
Moderation in science	Staff meeting time discussing this and links given to Assessment Resource Banks. Exemplars for Nature of Science shared with staff to help guide judgements. Moderation meeting term 3 using the new rubric.	We had robust moderation. We referred to exemplar and curriculum resources and discussion between teachers. Levelling for each level of the school was agreed and moderated. (The year 6 teacher missed this due to family illness and this may reflect in the year 6 data, which has not been moderated).
Find out the effect of	Principal has included in 2018 analysis	To be determined by board/staff after reflection.

English as a second language on results.		
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2018 Data

Nature of Science at or above the expected curriculum level 2017-18

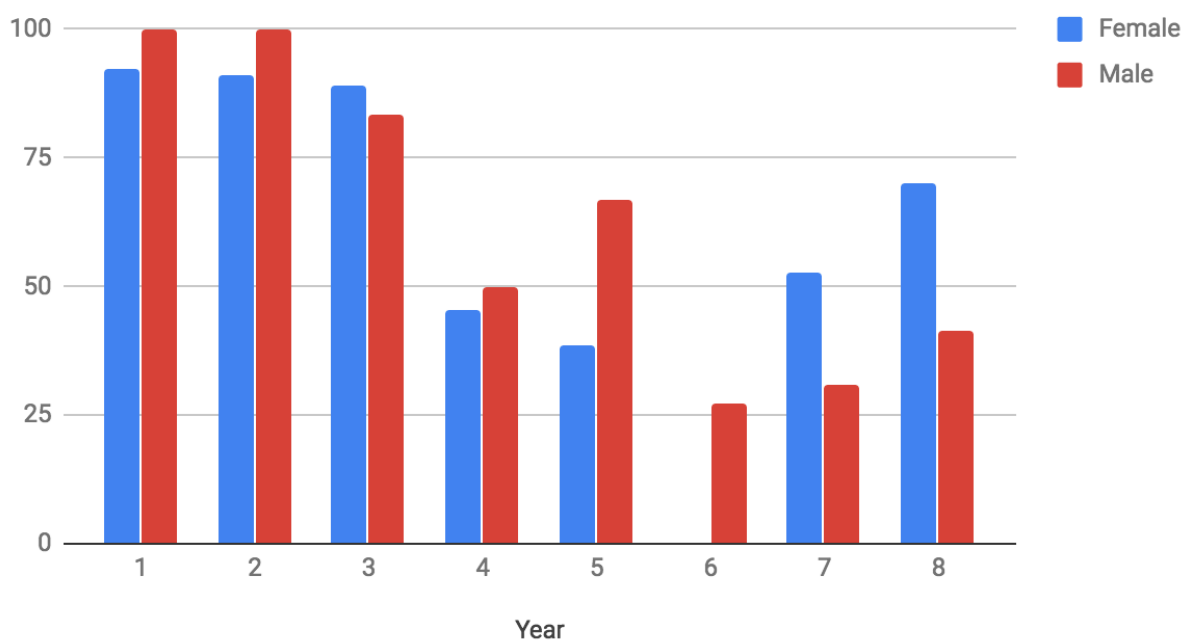


Ethnicity

% at or above by ethnicity			
Maori	Pasifika	Filipino	European
56	50	45	65

Gender

% Female and Male at or above NoS 2018



Overall 60% of females are at or above and 62% of males are at or above.

Analysis and Evaluation

Before the board analyses, evaluates and looks at possible actions please note:

The staff will need to also reflect on this data and I envisage by the December board meeting we may have also:

- Completed a Progressive Achievement Test in Science Thinking
- Made some teaching and learning goals/targets for 2019.

In this board meeting we could look at:

- Noticing

- Investigating
- Collaborative Sense-making

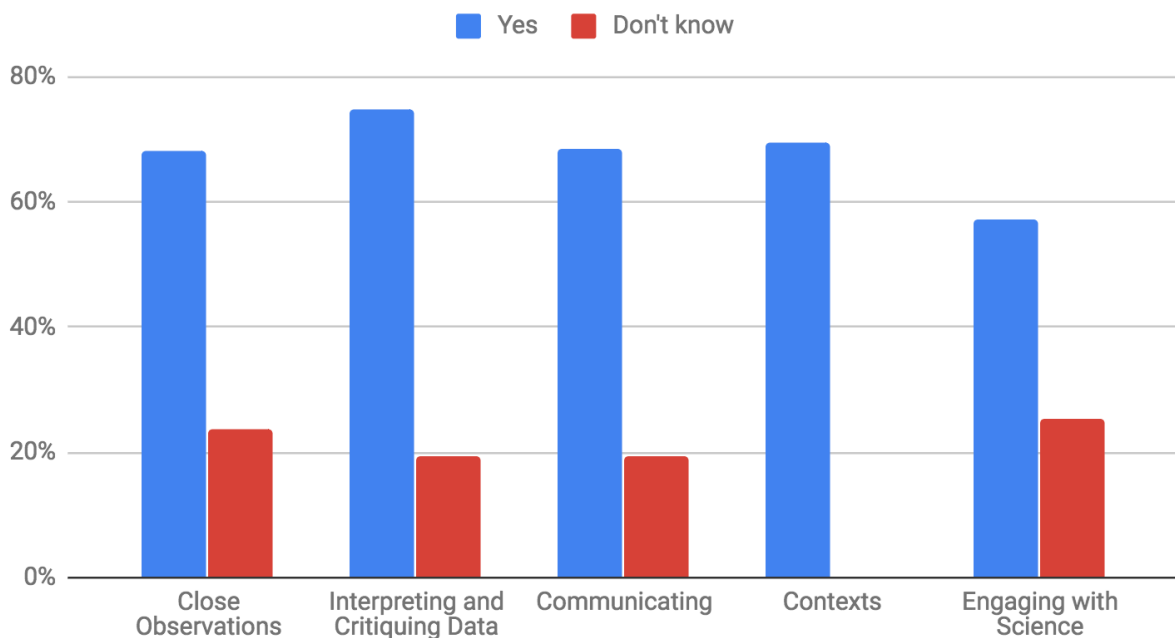
Postpone prioritising to take action until there is more feedback on plans and targets for 2019 from teachers for the next meeting.

NB: In the past eight years we have only been allowed to make numeracy or literacy goals/targets. I have had discussions with the Ministry around making science a target for 2019 (quality science will have a positive impact on numeracy and literacy) and I think this should be possible now within parameters. The staff should also have input into their target and we won't have the information to do this until all the achievement data is collected later in the term.

Self Review Science 2018

PART B - December - more evidence

Year 5-8 Science Engagement



Science PAT 2018 - Thinking with Science

