



STEM Teachers Conference 2016



UNIVERSITY OF WOLLONGONG AUSTRALIA

CROSS POLLINATING THE CURRICULUM

Using a collaboratve, thinking space for maths and science problems

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High School Trial: Work Like a Mathematician YEAR 8 AND YEAR 9 MATHEMATICS







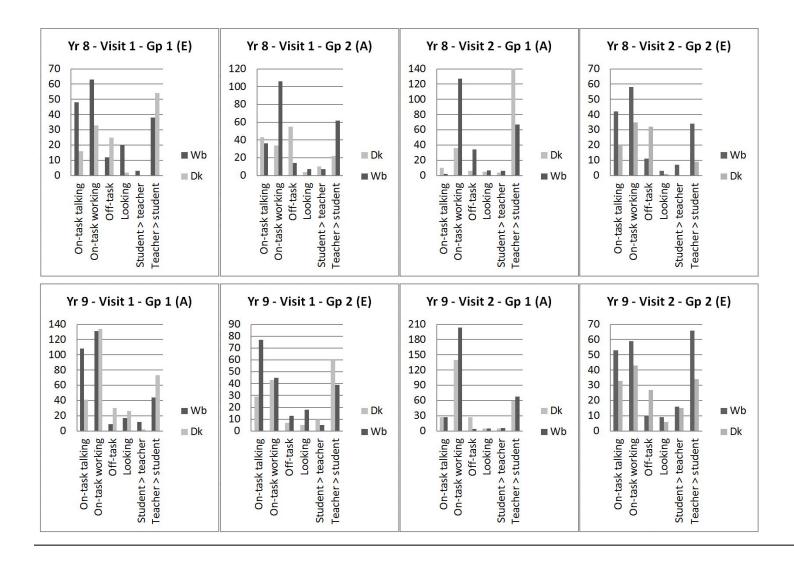
High School Trial: Student Survey YEAR 8 AND YEAR 9 MATHEMATICS

Statement	Yr 8 (2014) (n = 24)	Yr 9 (2014) (n = 25)	Yr 11 (2015) (n = 8)
1. I would like to have whiteboard classes at school.	100% (24)	100% (25)	63% (5)
2. I didn't think the whiteboard class was any better or worse than a normal class.	16.7% (4)	0% (0)	13% (1)
3. I would rather a normal class than a class in the whiteboard room.	0% (0)	0% (0)	0% (0)
4. I had fun in the whiteboard class.	91.7% (22)	92% (23)	63% (5)
5. I had no time to be bored in the whiteboard class.	75% (18)	68% (17)	13% (1)
6. I liked talking to my classmates about the problem.	75% (18)	88% (22)	88% (7)
7. I prefer the teacher telling me what to do in a normal class.	12.5% (3)	8% (2)	13% (1)
8. I was embarrassed to write on the boards, but later felt it was ok.	12.5% (3)	8% (2)	38% (3)
9. I was embarrassed to write on the boards and I do not want to do it again.	0% (0)	0% (0)	0% (0)
10. Writing on the boards was fine.	75% (18)	96% (24)	75% (6)
11. I liked being able to see other people's work to get hints.	75% (18)	64% (16)	63% (5)
12. I didn't trust anyone else's working and wanted the teacher to help me more.	8.3% (2)	0% (0)	0% (0)
13. I found everyone else's writing distracting.	0% (0)	0% (0)	0% (0)
14. I felt I was forced to do more work than when at tables and chairs.	12.5% (3)	16% (4)	13% (1)
15. I prefer sitting at a desk. Why?	8.3% (21)	4% (1 ¹)	0% (0)
16. I feel I learned more in the whiteboard classroom.	79.2% (19)	64% (16)	13% (1)
17. I feel I was more involved in my learning in the whiteboard classroom.	95.8% (23)	92% (23)	63% (5)
18. I think I learned equally well in the whiteboard room and normal room.	20.8% (5)	24% (6)	75% (6)

¹Comments made about sitting at a desk: "It's easier to write stuff down" (Year 8), "I like working on my own" (Year 8), "My legs hurt from standing" (Year 9).



High School Trial: Observations YEAR 8 AND YEAR 9 MATHEMATICS







Questions or Comments

Thank you!

