

OUTCOMES FROM OUR VISITING TEACHING FELLOW PROGRAM IN THE SCHOOL OF PHYSICS

Michael de la Pena^{ab}, Troy Garrett^c, Jessica Budden^d, Ingrid Mendes^e, Elizabeth Angstmann^a

Presenting Author: Michael de la Pena (m.de_la_pena@unsw.edu.au)

^aSchool of Physics, University of New South Wales, Sydney NSW 2052, Australia

^bEpping Boys High School, Eastwood NSW 2089, Australia

^cWinmalee High School, Winmalee NSW 2777, Australia

^dTurrumurra High School, Turrumurra NSW 2074, Australia

^eSydney Grammar School, Darlinghurst NSW 2010, Australia

KEYWORDS: high school teachers, professional development, outreach

In 2017 a visiting teaching fellow program was introduced in the School of Physics, University of New South Wales. Each year a high school teacher is seconded to the university to teach first year classes and develop outreach materials. This has led to a very fruitful partnership between teachers and academics. Projects that the teaching fellows have worked on include the introduction of online depth study resources to support the introduction of new Higher School Certificate syllabi; the opening of the first year physics laboratory out of term for school excursions; and the introduction of a summer school program, SciX, to support the extension science syllabus. Many of these projects expanded from physics to encompass the entire science faculty. The teachers have found the experience rewarding and refreshing while academics have benefitted from having a high school teacher's insights into the background of our incoming students.

Proceedings of the Australian Conference on Science and Mathematics Education, 30 September - 2 October 2020, page 18, ISBN Number 978-0-9871834-9-1.