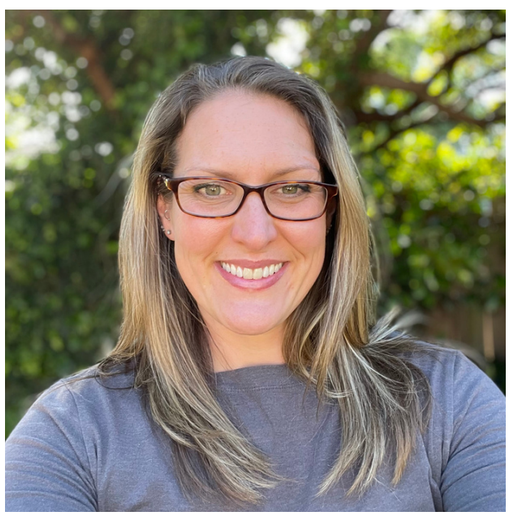
GIRLS IN PHYSICS

BREAKFAST

FOR STUDENTS IN YEARS 10, 11 & 12 INTERESTED IN A CAREER IN STEM

Chat with like minded students and women who have a career in Physics and Engineering. Ask questions about University or working in STEM and explore different careers that might work for you. And hear from our guest speaker...



DR DIANNE RUKA, MONASH UNIVERSITY

STEM: FROM SCIENCE/MATHS TO TECHNOLOGY AND ENGINEERING

'I was talking to a guest at my table and her career sounded so amazing. Then I realised that in 8 years that could be me. I got so excited!'

- **$15 per student**
- **Max. 12 Students per school**
- **7:30 - 10:00am**
- **Friday 22nd July 2022**
- **Shamrock Hotel, Bendigo**
- **Speak to your science teacher to sign up**
- **For more information see VicPhysics.org**

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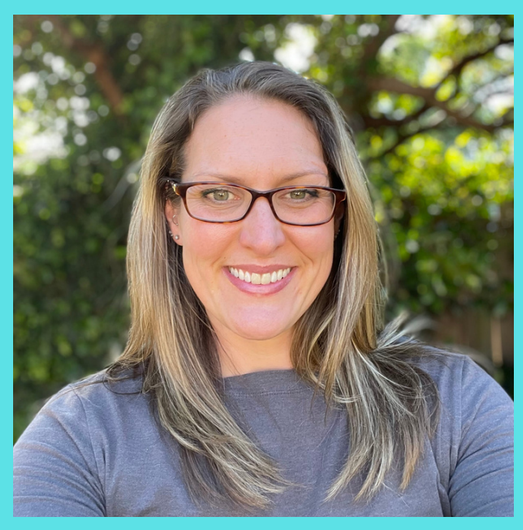
GIRLS IN PHYSICS BREAKFAST



Dr Dianne Ruka
MONASH UNIVERSITY

STEM: FROM SCIENCE/MATHS TO TECHNOLOGY AND ENGINEERING

Abstract: Studying science can lead to a range of potential careers and options. Just because you study physics does not mean you are limited to being a physicist. Studying science allows us to develop skills that are necessary in various occupations, including the ability to consider information and make informed decisions. This has never been more important, with the rise of a world-wide pandemic, and science coming to the rescue, yet being rejected by many.
I have previously worked in a research centre that focused on low-energy electronics, that is creating electronic devices that do not produce heat energy and therefore are able to use more energy for computation rather than losing it as heat. I now work at a research centre that focuses on tissue engineering, where we develop medical devices and therapies that can be used for various conditions and illnesses. STEM is necessary to solve so many of the problems we have in the world, and is an essential area of study in today's society.

Speaker: Dianne grew up in country Victoria and attended Kyabram Secondary College. She moved to Melbourne to attend the University of Melbourne, where she completed a Bachelor of Science (Hons). After working in a couple of different roles, including as a research assistant in a genetics laboratory, and as a secondary science and maths teacher, she attended Monash University where she completed a PhD in Materials Engineering, examining the differing properties of combining bioplastics grown from bacteria. She has worked in various science roles, including in the Monash School of Physics and Astronomy where she worked at the ARC Centre for Future Low-Energy Electronics Technologies (FLEET). She is currently the Centre Manager for the ARC Training Centre in Cell and Tissue Engineering Technologies (CTET), where she manages staff doing research in various areas, including 3D bioprinting, scaffold development and cancer research.

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SPEAK TO YOUR SCIENCE TEACHER TO SIGN UP

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