DEAKIN UNIVERSITY

PROFESSIONAL LEARNING EDUCATION HUB

SENIOR YEARS STREAM (Year 9 – Year 12)

STEM, MATHEMATICS, SCIENCE

Session 1: *Select one:*

Augmented Reality - virtually real Engage with AR apps for an interactive experience you can utilise in the classroom. Understand the purpose of AR and realise the potential of the apps. Gain confidence in using the apps, targeted at teaching science. **Dr. George Aranda and Dr. Seamus Delaney**	**STEM 101** What is it? Why do it? How do we fit it in to an already crowded curriculum? A beginner's guide to STEM. **A/Prof. Linda Hobbs**	**Science in Action. What's out there?** Hear from Victorian scientists – why are they passionate and why is there work important? Inspire and educate students with activities informed by scientists, linked to real life issues and Victorian curriculum. **Mrs. Mary Vamvakas, Dr. Peta White, Prof. Russell Tytler**

Session 2: *Select one:*

Futurama Unplugged Programming. A beginner's guide for easy use in the classroom. **Dr. George Aranda**	**We care about Climate Change. Supporting young people to take climate action.** Useful strategies to educate and empower students to take climate action. **Dr. Peta White**	**Science teachers don't teach Art** The Art of Science. Explore science through the visual arts. Bring a whole new dimension to your classroom. **Dr. Joe Ferguson, Dr. Shelley Hannigan Prof. Russell Tytler**

Session 3: *Select one:*

Can you walk at a constant speed? Creating graphs from movement. You will never look at graphs the same way again! **Dr. John Cripps-Clark**	**Let's not wait for NAPLAN to evaluate our programs** A team based approach to exploring and evaluating teaching strategies in the classroom. **A/Prof. Wanty Widjaja**	**Doing the maths on buy now pay later** Explore a trajectory of financial mathematics learning for young adolescents. **Dr. Jill Brown and Dr. Carly Sawatski**	**Inquiry in Science – how to assess inquiry skills** Useful strategies and activities to support your students to develop their own investigations. Increase engagement and enable students to enhance their skill set. **Dr. Peta White**

Session 4: *Select one:*

Kickstart Your Learning Journey with Coding in Mathematics Why are learning coding skills important in today's world? Make problem solving tasks visual and practical using Scratch 3. **Dr. Zara Ersozlu**	**Save or spend?** Explore teaching strategies to help young people understand the mathematics behind Australia's superannuation system. **Dr. Carly Sawatski and Dr. Jill Brown**	**A Sustainable Life** A thematic approach to teaching Chemistry and materials with authentic contexts, empowering students to make a difference on sustainable development in their schools and community. **Dr. Seamus Delaney**

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