



MIDDLE YEARS STREAM (Year 4 – Year 8)

STEM, MATHEMATICS, SCIENCE

Session 1: *Select one:*

<p>Engaging in social justice issues of today through Maths</p> <p>Explore global and local social justice issues, such as sustainability, stolen land, COVID-19 through Maths.</p> <p>Dr. Leicha Bragg</p>	<p>Augmented Reality - virtually real</p> <p>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.</p> <p>Gain confidence in using the apps, targeted at teaching science.</p> <p>Dr. George Aranda and Dr. Seamus Delaney</p>	<p>STEM 101</p> <p>What is it? Why do it?</p> <p>How do we fit it in to an already crowded curriculum?</p> <p>A beginner's guide to STEM.</p> <p>A/Prof. Linda Hobbs</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Session 2: *Select one:*

<p>Teaching times tables more effectively</p> <p>A short, clear cut method to assist students in learning times tables, making it easier, faster, and more effective than the traditional 'drills', supported with an interactive quiz.</p> <p>Dr. Jude Ocean</p>	<p>Futurama</p> <p>Unplugged Programming.</p> <p>A beginner's guide for easy use in the classroom.</p> <p>Dr. George Aranda</p>	<p>We care about Climate Change. Supporting young people to take climate action.</p> <p>Useful strategies to educate and empower students to take climate action.</p> <p>Dr. Petra White</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Session 3: *Select one:*

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

Session 4: *Select one:*

<p>Entrepreneurs in the making</p> <p>Use STEM as a catalyst to inspire students to ask good questions and discover new ideas. Unleash the creativity of your brain!</p> <p>Dr. Lihua Xu</p>	<p>Kickstart Your Learning Journey with Coding in Mathematics</p> <p>Why are learning coding skills important in today's world? Make problem solving tasks visual and practical using Scratch 3.</p> <p>Dr. Zara Ersozlu</p>	<p>A Sustainable Life</p> <p>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.</p> <p>Dr. Seamus Delaney</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



PROFESSIONAL
LEARNING
EDUCATION HUB



PROFESSIONAL
LEARNING
EDUCATION HUB

