

PRIMARY WORKSHOPS / Saturday 30 October 2021

| Session | Presenter and Title | Year Levels |
|---------|---|-------------|
| 1.1 | CAPURSO, Sam / Blackfriars Priory School "Success is not final, but failure is not fatal" | 5 - 7 |
| 1.2 | QUANE, Dr Kate / University of South Australia Fidget toy or mathematics gem: Exploring the multiple uses of a Pop-it squircle. | 2 - 6 |

| Session | Presenter and title | Year Levels |
|---------|--|-------------|
| 2.1 | RISCHMUELLER, Maryanne / Surrey Downs Primary School Building a Thinking Classroom | 3 - 7 |
| 2.2 | SCHREUDER, Cassie / Westminster School From Scope and Sequence to Collaboration | 3 - 4 |

| Session | Presenter and title | Year Levels |
|---------|--|-------------|
| 3.1 | GORMAN, Vanessa / University of South Australia Developing mathematical thinking in a classroom is both challenging and rewarding for teachers | 5 - 6 |
| 3.2 | WILLIAMS, Maja & VAN HEES, Mark / Ocean View College P-12 Use of data to improve teacher practice | ALL |

ZOOM PRIMARY WORKSHOPS / Saturday 6 November 2021

| Session | Presenter and title | Year Levels |
|---------|--|-------------|
| 4.1 | O'KANE, Daniel / Mathspace Develop mathematical reasoning in primary school students with Mathspace | 3 - 6 |
| 4.2 | LENGHAUS, Christine / TAFE Gippsland - Sharing is caring: Taking on the challenge of teaching division | 3 - 6 |
| 4.3 | WEST, Dr John / University of Adelaide Maths In Schools Program Children as mathematicians: From puzzles and illusions to conjectures and proof through hands-on problem solving | 2 - 10 |

| PRIMARY WORKSHOP ABSTRACTS – Saturday 30 th October 2021 at MASA | YEARS | SESSION |
|--|-------|---------|
| CAPURSO, Sam / Blackfriars Priory School "Success is not final, but failure is not fatal" A discussion will be facilitated, so come prepared to share. We will consider strategies facilitating flexible thinking and conceptual understanding and will explore student engagement and interleaved practice. | 5 - 7 | 1.1 |
| QUANE, Dr Kate / University of South Australia Fidget toy or mathematics gem: Exploring the multiple uses of a Pop-it squircle. This workshop will present a series of mathematics and teaching ideas using a pop-it Squircle. In this workshop you will use a common fidget toy to explore concepts from the location and transformation sub-strand. Time to evaluate the Pop-it as a mathematics manipulative will be provided. | 2 - 6 | 1.2 |
| RISCHMUELLER, Maryanne / Surrey Downs Primary School Building a Thinking Classroom Modelling the pedagogies promoted by Peter Liljedahl in his book, "Building Thinking Classrooms in Mathematics, Grades K-12", we will try out and discuss some of his 14 practices for enhancing learning. | 3 - 7 | 2.1 |

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| <p>SCHREUDER, Cassie / Westminster School From Scope and Sequence to Collaboration This session will encompass a Growth Mindset perspective with the presenter sharing her experiences. A touch of talk on differentiation and a hands-on exploration of a scope and sequence, collaboratively identifying students' gaps will be fun. Activities and assessing of assessments on time will be a highlight.</p> | 3 - 4 | 2.2 |
| <p>GORMAN, Vanessa / University of South Australia Developing mathematical thinking in a classroom is both challenging and rewarding for teachers The aim is for students to understand 'how' and 'when' to apply their learning to unfamiliar problems. Research suggest that building capacity of students to become self-regulated learners (SRL) assists their academic development. In this workshop we will explore how students' SRL can be developed by linking mathematics and science concepts in a hands-on activity.</p> | 5 - 6 | 3.1 |
| <p>WILLIAMS, Maja & VAN HEES, Mark / Ocean View College P-12 Use of data to improve teacher practice This workshop will present a case study of how the Junior School Leadership and staff at the Ocean View College created a Data Wall, its purpose, use and outcomes. You will be guided through our story of introducing this - yet another thing to do (!) to the staff and bringing them on board along with the steps of what we actually do with this data. You will hear a couple of real teacher's stores travel and improvement in their pedagogical practices which ultimately led to student improvement, evident in the data on the wall, making a full circle.</p> | ALL | 3.2 |
| <p>ZOOM / PRIMARY WORKSHOP ABSTRACTS – Saturday 6th November 2021</p> | YEARS | SESSION |
| <p>ZOOM WORKSHOP O'KANE, Daniel / Mathspace Develop mathematical reasoning in primary school students with Mathspace At Mathspace, we believe that primary school teachers are typically experts in teaching pedagogy, compared to their secondary peers. So we have developed a core resource for primary school teachers, to assist them in improving their lesson plans & developing their students' understanding of mathematics. In this workshop, Daniel will walk through Mathspace's online resource, including: 1. Scope and sequence of maths topics from the Australian Curriculum (Grades 3-6) 2. Comprehensive teacher notes, to assist in teaching trickier maths concepts. 3. Video-heavy lessons, for younger students still developing their literacy skills. 4. Digital questions with hints & step-by-step support to help student learn mathematical reasoning. Recommended that teachers bring their laptops, as this is an interactive workshop.</p> | 3 - 6 | 4.1 |
| <p>ZOOM WORKSHOP LENGHAUS, Christine / TAFE Gippsland - Sharing is caring: Taking on the challenge of teaching division A hands on workshop designed to support teachers with the topic of division. With many of our students finding division a challenge, this session includes the resources I have used or created which have been most successful for my students to learn sharing/division.</p> | 3 - 6 | 4.2 |
| <p>ZOOM WORKSHOP WEST, Dr John / University of Adelaide Maths In Schools Program Children as mathematicians: From puzzles and illusions to conjectures and proof through hands-on problem solving In this workshop, John will demonstrate hands-on approaches for teaching problem solving, number skills and reasoning. He will demonstrate a range of engaging rich mathematical learning tasks, games and activities that he has successfully used with students from Year 2 upwards.</p> | 2 - 10 | 4.3 |