

NAME : Chan Min Lie
DESIGNATION : Lead Teacher (Mathematics)
SCHOOL : Edgefield Primary School

Ms Chan Min Lie is the Lead Teacher for Mathematics at Edgefield Primary School. She is a dedicated teacher with sound values and principles in life. Her philosophy is that every child can learn. She helps her students become excited and curious about Mathematics by using a wide variety of strategies.

Min Lie is an active member for North Zone Subject Group (NZSG). Working closely with her team members, she facilitated a sharing session and guided the teacher leaders in NZSG on the importance of teaching mathematics that are anchored on big ideas. She highlighted how teacher leaders can construct learning experiences around each big idea to make learning more authentic for students. Using this strategy, she engaged her students and they responded by showing greater appreciation for the interconnectedness between topics and its application to the real world context.

In a workshop during the Maths Learning Day this year, Min Lie shared with teachers from the North and East Zones on the use of concept cartoons. The aim of the workshop was to help teachers better understand the way to capture students' attention through an innovative representation of their mathematical ideas. The workshop provided teachers with insights into students' understanding. She strengthened teachers' conceptual understanding and critical thinking in designing interactive and student-centred lessons that promote thought-provoking conversations.

In another workshop titled 'Effective Math Teaching and Learning using Hard Scaffolds' Min Lie provided teachers with ideas on how they could better use the big whiteboard and wall displays to aid the teaching and learning of mathematics. She also focused on the benefits of notetaking in a mathematics lesson. At the end of the workshop, Min Lie demonstrated how all three skills would connect and link to provide a seamless classroom learning environment to optimise the students' learning.

During Teachers' Conference 2019, Min Lie conducted a workshop titled 'Use of Multiple Representations in the Teaching of Primary Mathematics', which focused on Jerome Bruner's 'Concrete, Pictorial, Abstract' (CPA) approach. As a reflective practitioner, Min Lie adapted the CPA approach and expanded it into more representations that teachers can readily use in the classroom. Through the sharing of the theoretical underpinnings and the multiple representations, teachers gained an understanding of how CPA can be a highly effective approach for teaching mathematics. The workshop was particularly relevant and meaningful as artefacts from the students and feedback from the teachers were provided to show evidence of learning.

Min Lie's dedication and commitment to the professional development of Math teachers and her passion to instil the joy of learning in the students makes her a remarkable educator and Lead Teacher.