

The Vibrant Community of Primary Science Educators

2020 Primary Science ST-LT Networked Learning Session

The ST-LT Networked Learning Session is a platform to foster teacher leadership and teacher ownership of their professional learning. The theme for every session always reflects teacher leaders' current focus on teaching and learning. At the end of 2019, the teacher leaders suggested that there should be a session on teaching students with special educational needs to help them better support the learning of this group of students.

Due to the covid-19 situation in 2020, the ST-LT Networked Learning session scheduled in late February had to be postponed. Nevertheless, the organising committee persevered. The teacher leaders continued to gather resources to ensure that professional learning continued even under constraints of safe distancing measures.

Thus, on 19 August 2020, the teacher leaders gathered to share on the pedagogical practices to support teaching and learning of students with special educational needs. It was the first time in primary science history that the ST-LT Networked Learning Session, facilitated by four teacher leaders, was conducted over the virtual platform. The participants appreciated the rich learning from the session with the teacher leaders sharing actual classroom case studies and many reflected that they were able to pick up several strategies from each other as well as from the sharing by Ms Sarina Kaur, MTT (SEN) and Associate Professor Teo Tang Wee of NIE.



ST-LT Networked Learning on 19 August 2020 – Teaching students with diverse learning needs

Primary Science Learning Day on 16 April 2019

Primary Science colleagues always look forward to the Primary Science Learning Day. It is a perfect platform for networking where teachers from different schools across Singapore gather to collaborate, share and learn from each other on the theme on “Balancing Rigour & Joy”. This echoes the current focus of education in Singapore and the programme of the day was organised according to three strands – 1. Assessment to Deepen Learning; 2. Injecting Joy in Science Learning; and 3. Differentiating Instruction for Diverse Learners. To maximise learning of the participants, the event included a segment on poster presentation in addition to the usual mini workshops to showcase as many current classroom innovations.



***From Joy of Learning
Together to Igniting Joy
of Learning***





Primary Science Chapter Learning Journey

On 6 Jun 2019, in collaboration with the Singapore Food Agency (SFA), the Primary Science Chapter led a group of Science teachers on an ICT-enabled learning journey to three farms, namely Kok Fah Tech Farm, Seng Choon Egg Farm and Citizen Farm. This journey which was co-designed and co-facilitated by our teacher leaders aimed for our participants to gain a better understanding of food sustainability and security in Singapore. It is also crafted with the intention of experiencing a place-based protocol of wonderings, researching and sharing which participants would translate into their personal and professional context while using technology to gather their learning and reflections. The session also allowed participants to make considerations when they customise a learning journey for their students.



Seng Choon Egg Farm



Citizen Farm



Kok Fah Tech Farm

Professional Learning for Beginning Science Teachers

This full-day session held on 25 July 2019 was co-designed and co-facilitated by a team of teacher leaders for teachers who were new to teaching Science. Queenstown Primary School hosted this learning as it has an environment that is conducive in making the experience authentic. During which, participants were engaged in inquiry activities that were supported by elements of investigations, demonstrations and the exploration of the potential of particular resources in the teaching and learning of Science.



Primary Science ST-LT Networked Learning Session 2019

The ST-LT Networked Learning Session is a platform to foster teacher leadership and teacher ownership of their professional learning. The theme of each session reflects teacher leaders' current focus on aspect of education and the survey in early 2019 showed that teacher leaders were keen to deepen their knowledge of the pedagogical affordances of Singapore Teaching Practice (STP) and Student Learning Space (SLS). Thus, during the first on 19 February 2019, the teachers gathered for a professional discourse on the pedagogical practices within STP and various groups even used the opportunity to contribute to the repository of teaching actions.

With the support from colleagues from ETD, the second session of ST-LT Networked Learning Session on 31 July 2019 then explored the links between STP and SLS specifically on how the SLS Pedagogical Scaffold act as an application of STP and support teachers in the design of ICT-enriched learning experiences for learners.



Teacher leaders' PD wish list

ST-LT Networked Learning on 19 Feb 2019 – Deepen understanding of Pedagogical Practices in STP



ST-LT Networked Learning on 31 July 2019 – Connecting SLS-Pedagogical Scaffold to STP

Workshops conducted by teacher leaders

The Teacher Leaders take pride in being part of the Primary Science Community and many of them lent their expertise to the professional learning and development of the others in the subject chapter by designing and conducting several workshops such as the Beginning Teachers' Professional Learning Session (Jul 2019); Item-setting Workshops (Feb and July 2019).



Teacher leaders conducting Item-setting work for Beginning Teachers

MTT-led workshops

All the workshops run by Master Teachers adopt an approach where participants are guided to translate what they learn during the workshops to their classroom practice.



Workshops conducted by the master teachers

Collaboration between AST and CPDD

The Master Teachers work closely with their curriculum counterparts in CPDD and this close ties sees them collaboratively design and conduct courses such as Assessment for Conceptual Understanding (since 2016) and also a course for teachers crossing over to teach in primary schools underwent a 5-week course in Oct-Nov 2019.



Cross level deployed teachers got first-hand experience of organising outdoor learning for students.

The Cross Level Deployment Course also saw schools stepping forward to support the teachers' professional learning by making accommodation for them to visit the school on 25 Oct 19 and 12 Nov 2019. During the visit, the participants gained a first-hand experience of teaching in the primary science classrooms as well as the rich learning environment available within the schools. Besides, they also get to speak with past CLDC participants who shared their experiences of teaching in primary schools.



Participants' visit to Casuarina Primary School on 25 Oct 2019.



In conversation with HOD/Sc and past CLDC participants