

Programme DAY 2, 22 November 2017 (Wednesday)			
Marquee	Breakfast		0830 – 0930
The Annex Hall 1	<b>Keynote Address 3</b> <i>Pedagogical content knowledge: lessons from research and policy for improving teaching quality</i>   Vanessa KIND, Associate Professor (Reader) in Education, School of Education at Durham University		0930 – 1030
Marquee	Tea reception		1030 – 1100
Concurrent Session 3   PAPER PRESENTATIONS			1100 – 1230
Strands: Assessment and Evaluation   Science Teaching and Learning			
The Mendel (Level 1)	CS 3.1	[Primary Science] <i>Formative Assessment in Science - Comment Only Marking (COM)</i>   Raveendran PAVITHRA	
		[Primary Science] <i>Project-based Learning increases Students' Motivation in Learning Science</i>   James LONG Soo Chiang, WONG Chia Suan, Dolly Chan	
		[Primary Science] <i>P5 Students' Experiences in Learning about Water Cycle in Science</i>   LEE Sook San, Elena TAN Yi Ying	
Strands: Applied Learning in Science   Assessment and Evaluation   Teachers' Professional Development			
Faraday Lab (Level 3)	CS 3.2	[Others] <i>Authentic Learning and Assessment with SAIL</i>   POH Meng Leng, TAY Lay Cheng, NG Puay Hoon	
		[Physics] <i>Developing a Common Feedback Language in Physics using a Problem-Solving Checklist</i>   HONG Kam Kheun, LEE Chin Teck	
		[Lower Secondary Science] <i>Use of a Professional Development Tool for Planning Lessons on Heat</i>   S. Ravindran, LAU Chor Yam	
Strand: Science Teaching and Learning			
Darwin Lab (Level 3)	CS 3.3	[Biology] <i>Flipping the Classroom to Enhance Active Learning in an Undergraduate Biology Course</i>   ZHU Yajuan Julia, Bina RAI	
		[Biology] <i>Deepening Students' Learning and Understanding in Biology Using Variation Theory through Learning Study</i>   LIAN Xue Li Jasmine, Siti Aisyah MUSTAPHA, Deepa PARKASH NANWANI, YEE Boon Wei	
		[Others] <i>Hands-on, Experiential Strategies for Everyday Science Teaching</i>   LIEU Zi Zhao Robert, Andreas DEWANTO, LIM Zhi Han	
Strand: Science Teaching and Learning			
Pauling Lab (Level 3)	CS 3.4	[Chemistry] <i>Active Learning in Electrolysis</i>   Audrey CHUA-TAN Shu-hui, TAY Keng Wei	
		[Chemistry] <i>Leverage on Learning Study to Improve Lesson Delivery on Teaching Le Chatelier's Principle</i>   THAM-KEE Yong Huang, YU Zhen, TAY Lingxin	
		[Chemistry] <i>The Use of Concept Attainment and Object Lessons in the Chemistry Classroom</i>   TAN Chee Wan, Caruna YOGEE SWARAN, FU Wei, FOO Wenxin Esther	
Strand: Science Teaching and Learning			
Fermi Lab (Level 3)	CS 3.5	[Others] <i>Complex Systems-based Instructional Unit on Kinetic Theory of Matter: Integrated Curriculum and Implementation</i>   HOH Yi Ting, GOH Jia Ying Michelle, Sujena D/O SETHURAM, Muhammad Faez BIN RAHMUDEEN, GOH Sao-Ee	
		[Physics] <i>Visible Teaching using Concept Based Approach in the Topics of Waves</i>   LEE Kah Chin, HAN Ji	

		<b>[Physics]</b> <i>Addressing Student Misconceptions when using Kirchoff's Law – An Action Research to Address Misconcepts, their Instructional Implications and Remediate Problem Solving</i>   R. Maya IYER, Vijayasudha NARAYANAN	
<b>Strand: New Media and Technologies</b>			
The Dalton (Level 3)	CS 3.6	<b>[Primary Science]</b> <i>The Patterns of Students' Science Learning with an E-Learning Platform and Multimedia Resources in Primary Schools</i>   Winnie SO Wing Mui, CHEN Yu	
		<b>[Primary Science]</b> <i>ICT infusion to MAKE Science Thinking Visible (iMASTV)</i>   Joan TAN Lay Peng, Fatimah ABDUL KHIR	
<b>Strand: Teachers' Professional Learning and Development</b>			
Planck Lab (Level 3)	CS 3.7	<b>[Physics]</b> <i>Teaching Newton's Third Law of Motion by Inquiry</i>   HUO Xiaoli, Faizah OSMAN, TAN Kia Hock	
		<b>[Physics]</b> <i>Collaborated Professional Learning Approach to Enhancing Physics Teachers' Pedagogical Content Knowledge on Electromagnetism</i>   Donavan LAU Chu Beng, CHUA Chau Lee	
		<b>[Physics]</b> <i>The Joy of Learning Sound and its Real-world Applications: A Cognitive Neuroscience Perspective</i>   Charles CHEW, YAP Boon Chien	
<b>Concurrent Session 3   WORKSHOPS</b>			1100 – 1230
<b>Strand: Science Teaching and Learning</b>			
Eco Lab (Ecogarden)	CS 3.8	<b>[Chemistry]</b> <i>Making Qualitative Analysis Fun</i>   Ramesh S/O RAMALINGAM, Naufal BIN ABDUL HADI, GOH Chye Joo, WONG Yiu Hang	
<b>Strand: Science Teaching and Learning</b>			
Watson Lab (Level 1)	CS 3.9	<b>[Physics]</b> <i>An Inquiry-Based Approach Promoting Student Discovery and Learning of Gas Laws (Boyle's Law, Pressure Law and Charles' Law)</i>   James WONG, NG Kok Huat	
<b>Strand: Teachers' Professional Learning and Development</b>			
Crick Lab (Level 1)	CS 3.10	<b>[Biology]</b> <i>Cultivating a Love for Learning– An NLC's Journey of Self-Realisation</i>   Muhamad Salahuddin BIN IBRAHIM, Cherry CHEN, Arthur LIM Kuan Yick, P Sarasvathi, Philemon FOO	
Marquee	<b>Lunch</b>		1230 – 1345
<b>Spotlight Sessions</b>			1345 – 1445
Mendel Auditorium (Level 1)	SL (A)	<b>Spotlight Session A</b> <i>Teaching Diverse Learners in the Lower Track Classrooms</i>   TEO Tang Wee, Nanyang Technological University	
The Annexe Hall 1	SL (B)	<b>Spotlight Session B</b> <i>Rewiring Mindsets to Learn &amp; Thrive with Emerging Technology Innovations</i>   Richard KOH,, Microsoft Singapore	
Dalton Auditorium (Level 3)	SL (C)	<b>Spotlight Session C</b> <i>Decoding Science Communication: Media Effects on Public Perception of Science &amp; Technology</i>   Shirley HO, Nanyang Technological University	
Darwin Lab (Level 3)	SL (D)	<b>Spotlight Session D</b> <i>Food Trends and Designing Foods for the Future</i>   LEONG Lai Peng, National University of Singapore	
Marquee	<b>Tea Reception</b>		1445 – 1515
<b>Workshops by Science Centre Singapore</b>			1515 – 1645
Crick Lab (Level 1)	SCS 1	[SCS Workshop 1] <i>Enzyme Kinetics</i>   Patrick WANG	

Faraday Lab (Level 3)	SCS 2	[SCS Workshop 2] <i>Fun with Electronics</i>   Wulf HOFBAUER, LI Zhen
Einstein Room, Digital Fabrication Space (Level 2)	SCS 3	[SCS Workshop 3] <i>Introduction to Digital Fabrication Space</i>   Kenny PHAY, Jonathan CHEN
Kitchen Lab, OmniTheatre	SCS 4	[SCS Workshop 4] <i>Delicious Scones</i>   NG Zhi Yan, ANG Che Wan
E3 Exhibition	SCS 5	[SCS Workshop 5] <i>Inside the Human Body</i>   NG Mei Bao, ENG Sheng See
Hall A, Scientist for a Day Exhibition	SCS 6	[SCS Workshop 6] <i>Learning the Scientific Method through a scientific experiment</i>   PANG Kian Tiong, Rajeswari BALASUBRAMANIAM, Archana CHOWLA
Digital Design Studio (Level 1)	SCS 7	[SCS Workshop 7] <i>Learning Science with Video Games</i>   Ferry KURNIAWAN, TOH Kang Hui
Pauling Lab (Level 3)	SCS 8	[SCS Workshop 8] <i>Chemistry of Cosmetics</i>   ONG Shu Yi, Jaslyn ONG
<b>End of Conference</b>		