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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08:00</td>
<td>OPENING CEREMONY</td>
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<tr>
<td>10:00</td>
<td>LUNCH / EXHIBITION / SCHOOL SHOWCASE</td>
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<tr>
<td>13:00</td>
<td>KEYNOTES</td>
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<tr>
<td>14:00</td>
<td>TEA BREAK</td>
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<tr>
<td>15:00</td>
<td>PAPER SESSION I</td>
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### Adventure and Outdoor Education

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Character and Citizenship Education</td>
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<tr>
<td>09:45</td>
<td>Field-based learning as a pedagogy to develop professional competencies</td>
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<tr>
<td>10:00</td>
<td>Investigating the affordances of outdoor learning: Revisiting the value of field trips in Geography</td>
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### Assessment

<table>
<thead>
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<th>Time</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Seeing self-assessment and teacher feedback through students' lenses</td>
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<tr>
<td>09:45</td>
<td>Giving Written Success Criteria-Based Feedback to Improve Student Achievement in Algebra</td>
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<tr>
<td>10:00</td>
<td>Scaffolding Children's Thinking in Solving an Online Real-World Mathematics Task</td>
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### Civics and Moral Education | Humanities and Social Studies Education

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Nurturing Gratitude in Secondary School Students</td>
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<td>09:45</td>
<td>Cultivating the 3Rs: Motivation and Engagement of Normal (Technical) Students through a Garden-Based Service Learning Programme</td>
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<tr>
<td>10:00</td>
<td>Understanding the Singapore Economy – use of games to enhance student engagement and achievement</td>
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### Early Childhood Education

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Investigating Preschool Teachers’ Perceptions of School Learning Environment and job satisfaction</td>
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<tr>
<td>09:45</td>
<td>Learning Centre Time in Singapore Preschools: What Does Purposeful Play Look Like in Practice?</td>
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<tr>
<td>10:00</td>
<td>Picture Books in Standard Spoken Tamil – A Proposal In-Waiting</td>
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### Humanities and Social Studies Education

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Teachers’ backgrounds and influences on pedagogies and perceptions of Social Studies as National Education in Singapore</td>
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<tr>
<td>09:45</td>
<td>Historical Inquiry Design through Fieldtrips and Graphic Depictions</td>
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### Language and Literacy Education

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<tr>
<th>Time</th>
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<tr>
<td>09:30</td>
<td>Use of Visible Thinking in Teaching Higher 1 Chinese Language: Zooming into the Topic of Music &amp; Movie</td>
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<tr>
<td>09:45</td>
<td>Using Video Forum to Enhance Primary School Students’ Chinese Language Picture Composition Writing Ability</td>
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<tr>
<td>10:00</td>
<td>History and Semantics in Learning Mass-Count Distinction by Chinese-English Bilingual Students</td>
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### Language and Literacy Education | Curriculum Development

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Metacognitive Reading Strategies in a Blended Learning Environment</td>
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<tr>
<td>09:45</td>
<td>Dialogic Scaffolding: A Multimodal Approach to Pedagogic Discourse</td>
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<tr>
<td>10:00</td>
<td>Exploring the relationship between curriculum and andragogy in undergraduate economics in the UK and Singapore</td>
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</tbody>
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### Learning Sciences

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Redesigning Flipped Learning for Authentic Problem Solving</td>
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<tr>
<td>09:45</td>
<td>Blending Formative Assessment in Collaborative Technologies: A new age approach in Learning Science Process Skills</td>
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<tr>
<td>10:00</td>
<td>Classroom Discussions for Engaged Learning in the Singapore Classroom</td>
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### Mathematics Education

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Mathematics Reading Strategies of Year 1 Pre-Service Mathematics Teachers in Singapore</td>
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<tr>
<td>09:45</td>
<td>Problem posing in Mathematics Teaching and Learning</td>
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<tr>
<td>10:00</td>
<td>Problem solving in Mathematics Teaching and Learning-What does it afford the teacher and the learner?</td>
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### Physical Education & Sports

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Moderate to vigorous physical activity participation by Singapore secondary school students</td>
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<tr>
<td>09:45</td>
<td>Academic Performance and Character Development: A Case Study of a High School Sport Program in the Philippines</td>
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<tr>
<td>10:00</td>
<td>A Blended Approach To Active Learning In Physical Education: The 'Hybrid' PE Learning Design</td>
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### Science Education

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</table>
NIE3-01-TR313  
**PAP167** Igniting Sparks in Chemistry  |  Teng Siew Lee, Shunjati Bte Mohd Shariff, Ng Wah Kian, Tan Kiang Meng, Anthony, Ramesh s/o Ramalingam

NIE3-01-TR314  
**PAP219** Got A Mole Problem? Bring it on!  |  Tan Yi Ling, Ong Yu Ni

**PAP398** Pre-service Science Teachers' Pedagogical Content Knowledge for Nature of Science: Lesson Learned from Action Research  |  Chatree Falkhartha

**PAP188** Helping Students to Write Logical and Concise Answers in Science  |  Mrs Yeo Swee Leng, Ms Vanessa Low

**PAP039** Using Scientific Argumentation to Enhance Understanding of Evolution  |  PHUAR Qiu Juan, GOH Sao Ee, SIM LEE Kheng, Jacqueline LEE, Daniel ONG

**PAP118** Linguistic errors by students in written responses to questions on the circulatory system  |  PAVITHRA Raja, Selay Lay Hoon

**Special Needs Education**  
**NIE2-01-TR210**  
**PAP303** Transition to Adulthood for Students with Intellectual Disabilities in Singapore  |  Ailsa Goh, Wong Meng Ee, Carol Tan, Lily Yip

**PAP540** Exploring the factors relating to transition to adulthood for Adolescents with Autism Spectrum Disorders  |  In Hong Kong and Singapore  |  Cici Sze-ching LAM, Fuk-chuen HO, Lily Yip

**PAP103** Visual Strategies for Improving Communication: Ways to index environment  |  Nastura

**NIE3-01-TR309**  
**PAP262** Teaching Reading Comprehension to Students with Dyslexia: Preliminary survey findings from Educational Therapists  |  Dr Tan Wah Pheow, Lois Lim, Serena, Koh Le Shan

**PAP373** Adopting Art Therapy as an Innovative Approach to Support Dyslexic Students in the Transition from Primary to Secondary School  |  Chow, Hing-chung

**PAP105** Using the Orton-Gillingham approach to prepare students with dyslexia for the English PSLE paper  |  Edmee Leong, Siti Asjamiah

**Special Needs Education | Cognition, Motivation and Learning | IT in Education**  
**NIE3-01-TR304**  
**PAP066** Impact Of Teacher-Student Relationship (TSR); A Comparison Study Between Students With And Without Intellectual Disability  |  Julyn Ng, Chong Wan Har

**PAP617** Promoting student engagement: Interplay of perceived self-beliefs and teacher support in fostering positive youth development  |  Chong Wan Har, Kit Phay Ling, Gregory Arief D Liem, Rebecca Ang, Vivien Huan

**PAP268** Harnessing ICT to Improve Students’ Cohesion in Writing  |  Suryani Anan, Nurhidayah Mohd Salleh, Muhammad Fazrin Hashim, Norhazli Ramli, Nurul Amelia Akhtiar, Norah Nordin, Norasiken Mohamed Nor

**Teacher Quality, Teacher Learning and Development**  
**NIE2-01-TR208**  
**PAP155** Metacognition in Our Professional Practice  |  Wong Lai Fong, Mohd Salleh B Ramli, Ng Song Beng

**PAP170** Knowledge Construction in Networked Learning Communities in One Portal All Learners: A Proposed Implementation Framework  |  Lim Poh Heng, Tan Toh Hwee, Lin Li, Rozi Binte Rahmat, Judy Lee

**PAP168** Teachers’ Perspectives on Knowledge Construction in Networked Learning Communities in One Portal All Learners  |  Rozi Binte Rahmat, Judy Lee, Lim Poh Heng, Lin Li, Tan Toh Hwee

**Teacher Quality, Teacher Learning and Development | Educational Policies and Practices**  
**NIE3-01-TR310**  
**PAP273** A Review of the Measurement of Teacher and Student Learning Outcomes in Professional Learning Communities  |  TAN Jing Yi, Alistair Peacock, Terence Titus Chia

**PAP001** Engaging in research through lesson study: Case studies of teacher learning in Singapore schools  |  Rachel Goh

**PAP431** Managing Records and Archives in a Hong Kong School: A Case Study  |  Eric Cheng

**Visual and Performing Arts**  
**NIE2-01-TR207**  
**PAP263** Baroque as Catalyst for Artistic Collectives: Turning Problems to Promises  |  Rebecca Kan, Tan Choong Kheng

**PAP562** The Role of Art Textbooks in the Singapore Context  |  Jane Chua

**SYMPOSIUM SESSION I**  
15:00 - 16:30 hrs

**Curriculum Development**  
**NIE3-01-LT9**  
**SYM009** Creative Flipped Classroom Learning: An Evidence-Based Framework  |  Chair: Dennis Sale;  
**Discussant:** Cheah Sin Moh;  
**Presenters:** Dennis Sale, Cheah Sin Moh, Mark Wan

**Language and Literacy Education**  
**NI7-01-LT2**  
**SYM001** Reading, Learning and the Place of School Libraries: Building a Reading Culture in Secondary Schools  |  Chair: LOH Chin Ee;  
**Presenters:** LOH Chin Ee, Agnes Paculdar, Wan Zhong Hao, Sun Baop, Mary Ellis, Ng Yui Yun

**Others**  
**NIE2-01-LT5**  
**SYM032** Understanding the Work of Yayasan Mendaki and Charting New Narratives of Malay Achievement in Education  |  Chair: Aidaroyani Adam;  
**Discussant:** Jason Tan Eng Thye;  
**Presenters:** Mariadana Abu Bakar, Sabrena Abdullah, Sharifah Fairuz Alsagoff, Siti Khadijah Setyo, Filzah Amalia Rahmat

**Science Education**  
**NI9-01-LT12**  
**SYM008** Innovation Projects in High School Physics  |  Chair: Joseph HORTEZUELA;  
**Presenters:** Gregory William Joseph, Danne Allyson, Jeremy, Jillian Dorothy, Joseph Karl, Bryne Alic

**Teacher Quality, Teacher Learning and Development**  
**NIE3-01-LT8**  
**SYM015** Video-Mediated Professional Development for Music Teachers  |  Chair: Eugene DAIRIANATHAN;  
**Discussant:** Colleen CONWAY;  
**Presenters:** Dr Alfredo BAUTISTA, Siew Ling CHONG, Jane Chua;  
**Discussant:** Jason Tan Eng Thye;  
**Presenters:** Mariadana Abu Bakar, Sabrena Abdullah, Sharifah Fairuz Alsagoff, Siti Khadijah Setyo, Filzah Amalia Rahmat

**WORKSHOP A**  
15:00 - 16:30 hrs

**NIE2-01-TR206**  
**WOR316** What More To Do About Thinking: Creative Applications of the Paulian Model of Critical Thinking  |  LEE SIONG BOON, ANDREA GOH BOON SI

**NIE2-01-TR211**  
**WOR125** Unlocking the Value of Data to enhance students’ performance  |  Rani Mano, Tan Wei Jin

**NIE2-01-TR212**  
**WOR402** Two Teachers Better than One? - Team-teaching in a Team-based Learning (TBL) Context  |  Lishan Yang, Jessica Ang

**NIE7-01-TR712**  
**WOR400** Learning through Geographical Field Inquiry for High-Ability Learners  |  Roslinda Chan, Envyanty Mohd, Yeo Jun Han, Koh Bock Yen
## DETAILED PROGRAMME DAY 1

**Wednesday, 31 May 2017**

### PAPER SESSION II

**16:30 - 18:00 hrs**

<table>
<thead>
<tr>
<th>Paper Session</th>
<th>Title</th>
<th>Author(s)</th>
<th>Abstract</th>
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</thead>
<tbody>
<tr>
<td><strong>Assessment</strong></td>
<td>Assessment for Learning in Malay Language Classrooms: From zahir to batin</td>
<td>Mas Rosalina Rawi</td>
<td>Effects of Portfolio as a learning tool on Higher Malay Language students achievements and reflective practice (presented in Malay)</td>
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<tr>
<td></td>
<td>Explaining the Nature of Feedback in Classrooms in Singapore</td>
<td>Fitzah Amalia Rahmat, Wong Hwee Ming</td>
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<tr>
<td><strong>Civics and Moral Education</strong></td>
<td>Two Heads are Better than One: Co-facilitating Learning Experiences in the CCE Classroom</td>
<td>Omeran Abdulrah, Brenda Lee</td>
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<td></td>
<td>Student-centered approaches to CCE: Common Space in Singapore - The design and use of the Choa Chu Kang Community Trail</td>
<td>Augustine Ng, Lim Wei Lii</td>
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<tr>
<td><strong>Cognition, Motivation and Learning</strong></td>
<td>Understanding math achievement through motivation, self-efficacy and self-regulation</td>
<td>Yvonne Yock, Melvin Chan, Jennifer Tan</td>
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<td>Grit And Intelligence As Predictors Of Academic Achievement In Science</td>
<td>Marilyn Piloton-Narca, Cornelia</td>
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<td></td>
<td>Collaborative Problem-Finding to Supporting Learning of Novel Science Concepts</td>
<td>Mun Siong KOM</td>
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<tr>
<td><strong>Curriculum Development</strong></td>
<td>An Exploratory Study of TIES: A Possible Approach to Teaching and Supporting Normal Course Students in Singapore Secondary Schools</td>
<td>Toh Pee Li Leslie, Saravanayan Vaithilingam, Ang Chiew Sin Jaselin</td>
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<td></td>
<td>Exploring Teachers' Informal Conversations about the Integrated Programme: A Social Network Analysis</td>
<td>Keith Tan, Tan Liang See, Letchmi Devi Ponnumsy, Koh Kar Boon Laurens</td>
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<tr>
<td><strong>Early Childhood Education</strong></td>
<td>Exploring Teachers’ Facilitation of Social and Emotional Learning (SEL) in Kindergarten Classrooms</td>
<td>Siew Chin Ng</td>
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<td>Exploring Teachers’ Use of Inferential Questions in Preschool Classrooms</td>
<td>Mrs Malika HABIB</td>
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<td>CEIBA Center for initial stimulation and food centered approachs to CCE: Common Space in Singapore</td>
<td>Cornelia</td>
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<tr>
<td><strong>IT in Education</strong></td>
<td>The Use of ICT to Facilitate Effective Essay Writing in History</td>
<td>Ezel Bin San, Keith Liew</td>
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<td>Media Literacy: News Casting - Preparing young people for living in a world of powerful images, words and sounds</td>
<td>Elaine JEE, Daphne Chan, Muhammad Haeikal, LAM Chee Leong</td>
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<tr>
<td><strong>Language and Literacy Education</strong></td>
<td>Application of Gamified platform to improve student engagement learning</td>
<td>TENG Wei Syan, Lee Kim Fatt, Loke Lay Fang, Yin Xiao Hui</td>
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<td>Exploring how series books and the peer group motivate nine-year-old children to read</td>
<td>Sally Ann Jones</td>
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<td>Use of Strategic Questions to Enable Close Reading</td>
<td>Danny Chen</td>
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<td>The Development Of English Reading Comprehension Through Task-based Learning Activity</td>
<td>Thitpong Luaensawang</td>
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<tr>
<td><strong>Mathematics Education</strong></td>
<td>The Use of self-regulated Strategy Development with Struggling Writers: The Case of One Primary School</td>
<td>Rachel LEE, Michael PONG, Norfarishah ASHERINA, Nurul Huda JUMAAT, FOO Yingting</td>
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<td>An Investigation of Chinese Composition Writing Processes and Difficulties among Lower Secondary Students in Singapore</td>
<td>Limei Zhang, Chee Kuen Chin</td>
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<td>Making Thinking Visible in the Mathematics Classroom</td>
<td>Pearl Lim, Mrs Joewen Teo, Ruziah Binte Ali</td>
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<td>Redesigning a module to develop students’ mathematical thinking</td>
<td>Lim Pei Chin, Lee Hwee Theng, Yanto Jakop</td>
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<td>Model Of Activity-Based Learning For Developing Mathematical Skills And Processes For Elementary Students</td>
<td>Nanthima Nakaphong</td>
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<td>Ready to be Engaged? - The Primary 3 Mathematics classroom in Singapore</td>
<td>Fatema Anis Hussain</td>
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<tr>
<td></td>
<td>Concept Based Teaching and Learning in the Lower Secondary Mathematics Classroom</td>
<td>Mrs Phua-Tan Gek Hoon, Christina Lye, Ko Hak Chin, Sophia Lim Wan Jie, Chew Mui Fong, Hui Caren, Wong Wan Ling</td>
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<td>Team Based Learning in the Mathematics Classroom</td>
<td>Simmi Naresh Govindani, Ow Weng Keong, Yvonne Ong</td>
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</tbody>
</table>
School Change and Leadership

NIE3-01-TR301 PAP234 PAP331
Developing Leadership IQ in ELT: A Case Study in China | Ou Chuying
Experiencing the Real Thing: Experiential Learning at the School of InfoComm Technology at Ngee Ann Polytechnic | Oon Wei Chong

Science Education

NIE2-01-TR204 PAP207
Data Visualisation for Classroom Teaching and Learning | Qi Yu, Chia Pei Yan, Thong Chee Hing, Zachary Kang, Ang Xiu Qin, Kevin Andrew Theresan, Lee Sin Yin Josenly, Tan Kee Sing, Asmahan Binti Aman, Teo Boon Hwee Alan, Siew Chin Hoong, Seow Tzer Yeun, Conrad Zhang, Phua Zhengjie

Special Needs Education

NIE3-01-TR307 PAP277
Team-based learning (pedagogy used in teaching numeracy for special needs students) | Shanthi Govindan, Muhammad Hafiz, Subashini
PAP318 Equine-assisted programme for the social competence of at-risk adolescents | Carol Tan, Tan Cher Chong
PAP474 The Use of Theory of Mind (ToM) Teaching Programme for Students | Fuk-chuen HO, Grace Chan

Teacher Quality, Teacher Learning and Development

NIE3-01-TR304 PAP293
The role of international experiences in language teacher education: Focus on qualitative research results | Emrullah Yasin Çiftçi, A. Cendel Karaman
PAP261 Being and Becoming an Instructional Mentor: Transforming Experiences into Practice | Isabella Wong Yuen Fun, Steven Tan Kwang San, Edmund Lim Chin Wei
PAP493 Sources of teachers’ self-efficacy in formative assessment: A qualitative study of Secondary School teachers in Singapore | Janey Ng, Chong Wan Har

Visual and Performing Arts | Teacher Quality, Teacher Learning and Development

NIE3-01-TR314 PAP217
Use of Disciplined Questioning to Promote Meaningful Dialogue in an Inquiry-based Art Classroom for Quality Student Learning | Michelle Yin Siew Yi
PAP350 Challenging Singapore Art Educators to Embrace a Dynamic, Process-Focused and Inquiry-Based Approach to Teaching Art | KokKoon, Victoria Loy
PAP367 Redesigning for Creativity, Innovation and Values — The Art of Integration! | Mrs Peter Thia

SYMPOSIUM SESSION II

16:30 - 18:00 hrs

Curriculum Development

NIE2-01-TR201 SYM014
Rethinking Learning Spaces: Teaching and Learning for the 21st Century | Chair: LOH Chin Ee; Presenters: LOH Chin Ee, Mary Ellis, Mark Wilkinson

NIE3-01-LT8 SYM012
The Connected Classroom: An Experiment in Curriculum Innovation | Chair: Luis Tirtasanjaya Loe; Discussant: TAY Hui Yong; Presenters: Sandra Teng, Luis Tirtasanjaya Loe, Ong Lee Hua, Vivien Tok, Gloria Teng Sze Ting, Mark Shone, Zhang Rong Hua

Early Childhood Education

NIE7-01-LT2 SYM025
Exploring the Quality of Teacher-child Interactions in Preschools: Insights from the Singapore Kindergarten Impact Project | Chair: NG Ee Lynn; Presenters: SNG Wei Qin, Dr Alfredo BAUTISTA, Rebecca BULL, NG Ee Lynn, Ms Anisa RAHIM, David MUNÉZ, YAO Shih-Ying, Nurul Taqiah Binte Yusof, Leong Xuan En Rachel, Nur Artika Arshad, Raymond ONG, Nirmala KARUPPAH

IT in Education

NIE5-01-LT12 SYM010
Are there Evidence-based Pedagogies for Teaching Coding and Computing? If so, what are they? | Chair: Prof Looi Chee Kit; Discussant: Dr Bimlesh Wadhwia; Presenters: Prof Looi Chee Kit

Physical Education & Sports

NIE3-01-LT5 SYM037
Teaching Physical Education in Schools | Chair: TEO-KOH Sock Miang; Presenters: CHOW Jia Yi, Chris Button, Clara Tan, Benjamin Tan, TEO-KOH Sock Miang, Manu Kapur, Corliss Choo, Swanup Mukherjee, Chung Ho Jin, Leng Ho Keat, Park Channim

Special Needs Education

NIE2-01-LT9 SYM019
Exploring Preschool Inclusion in Singapore: Considering Trends, Practices and Research in the Case of an Inclusive Kindergarten | Chair: Wong Meng Ee; Discussant: Ai-Girl Tan; Presenters: Joanna Tay-Lim, Dr. Honey Ng, Juliet Tanuwira, Wong Meng Ee

Teacher Quality, Teacher Learning and Development

NIE3-01-LT10 SYM004
Supporting students’ content learning in Mathematics, Economics and Biology through classroom talk | Chair: Caroline Ho; Discussant: Dennis Kwek; Presenters: YEO Chiu Jin, Wong Chiu Min, Gan Chin Koon, Kevin Ng Von Tok, Joanne Tay Chiew Hsia, Lim Chuan Li, LIN Pei, Varella Alan Joseph, Andy Lim, Zeng Wen Jie, Joyce TEO, Lianny Ho, Glendon Phua

WORKSHOP B

16:30 - 18:00 hrs

NIE2-01-TR211 WOR142
Use of Drama in Education to enable students to learn about Moral Reasoning in Character & Citizenship Education | Celia Loong, Neo Han Wei Candy

NIE2-01-TR212 WOR205
Character Education Through Intellectual Discourse - CareIn | G SATHYA Prasad, Noraini Bte Nanyan, Soo Lihong, Victor Lucas, Goh Mei Chen

NIE7-01-TR717 WOR089
Exploring the Concept of Relationships in the Literature Classroom | Jan Lim

NIE2-01-TR206 WOR102
The Use Of Blended Learning Model In H@nai Teaching And Learning | GE YAN

NIE3-81-21 (IT Lab 3-1) WOR111
Computational and Design Thinking with Makey Makey | Maggi MARSH, Emma Knight

NIE7-01-TR715 WOR223
Promoting Mathematical Reasoning and Flexible Problem Solving Through "Contrasting Examples" | Lee Sheau Huey, YH See, Prashant JAYAPRAGAS

NIE7-01-TR715 WOR071
Doubly Classified Model: Cross Classified Table for Assessment using Package R | Tan Teck Kiang

NIE3-01-TR306 WOR137
Towards best practices in physical education: Integrating ICT with Physical Education to promote motivational climate | Furhan Hassan, Habib Nasiruddin, Siri Sarah Aziz, Thong Lok Leung, Shawn Yeap
<table>
<thead>
<tr>
<th>Workshop Code</th>
<th>Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>WOR566</td>
<td>Cultures of Thinking: Seeding Visible Thinking Routines in the English Language Classroom Workshop</td>
<td>Naznin Rehana BEGUM, Beatrice Tan Pui Leng</td>
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<tr>
<td>WOR295</td>
<td>Strengthening Positive Teacher-Student Relationships (TSR) through School-Wide Approaches</td>
<td>Ms Ong Soo Lin</td>
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<tr>
<td>WOR409</td>
<td>Using Art Journal as a tool for active re-search in Art learning</td>
<td>Jennifer Ng</td>
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DETAILED PROGRAMME DAY 2
Thursday, 01 Jun 2017

REGISTRATION / EXHIBITION
08:00 - 09:00 hrs

SYMPOSIUM
09:00 - 10:00 hrs

Nanyang Auditorium
LKY's Educational Legacy and the Challenges of Success – A Symposium: Introduction by Prof Tan Oon Seng and Prof David Hung.
Presenters: Prof Christine Goh, A/P Charlene Tan & Dr Goh Chor Boon; Book Discussant: Liew Wei Li

TEA BREAK
10:00 - 10:30 hrs

KEYNOTES
10:30 - 11:30 hrs

Nanyang Auditorium
Keynote 2: Teaching Creativity in the Classroom by Professor Robert Root-Bernstein

LUNCH
11:30 - 12:30 hrs

PAPER SESSION III
12:45 - 14:15 hrs

Assessment | Curriculum Development | Educational Neuroscience

NIE2-01-TR210
PAP419
To design student-friendly assessment rubrics to guide students and to level up their background study work for coursework | Goh Jing Yi, Chia Yew Hwee
PAP332
Fostering Meaningful Learning By Integrating Contemplative Practice Into Subject Learning In Thai Teacher Education | Amornrat Wattanatom
PAP359
Neuromyths in Singapore's Education System: Exploring possible prevalence and their consequences. | Rayvinder Singh Khare

Civics and Moral Education

NIE2-01-TR209
PAP012
Visualizing and performing character and citizenship through digital storytelling | Phillip TOWNDROW, Prudence Ellen WALES, Rethinavel SHANMUGAM, Galyna KOGUT
PAP199
Navigating a Post-Truth World: The Affective Impact of Introducing Literary Theory To Gifted Students | Jmes KCH
PAP172
Digital Citizenship - whole school approach through the lenses of school and parents (the SST way). | Nur Johari Salleh, Samantha

Cognition, Motivation and Learning | Assessment

NIE3-01-TR308
PAP497
Does the Big-Fish-Little-Pond-Effect exist in the computer-based assessment? : PISA 2012 Korean data | Hyesook Kim, Hyeji Kil
PAP271
A case study of the application of Studio-Based Learning pedagogy in Ngee Ann Polytechnic’s Animation and 3D Arts (A3DA) diploma | Phil Mitchell
PAP121
Developing authentic assessment for the changing nature of work | Yang Silin

Curriculum Development

NIE3-01-TR321
PAP200
Development Support Programme: Exploring its creativity and challenges in implementation | Eunice Lim
PAP390
Developing a differentiated curriculum: What support can be provided for teachers? | Koh Kar Boon, Tan Liang See, Shu-Shing Lee, Letchmi Devi Ponnamys, Quek Chwee Geok,Keith Tan
PAP310
The Cooperative Supervision To Develop Teachers Of Special Needs Students In Chiangrai Province Thailand | Yuphin

NIE3-01-TR322
PAP159
Pioneer 3C's Work Shadowing Programme – Preparing Students for the 21st Century Workforce | Valerie Tan
PAP002
Development of critical thinkers through case-based learning approach | Michelle Chew
PAP124
Beyond “What, where, why” – Critical thinking in the Lower Secondary geography classrooms | Yeow Li Yong

Educational Policies and Practices

NIE2-01-TR207
PAP551
Deciphering diversity from PISA 2015: A cross national comparative analysis of top diverse countries | Connor Gilbert, Helen Hong
PAP346
Connecting U.S and Taiwan Classrooms | Wei-Feng Peng
PAP096
Learning beyond the classroom | Wendy Ng, Angeline Tong

Humanities and Social Studies Education

NIE3-01-TR319
PAP206
Let’s explore talk in geography classrooms. | Sing Ee
PAP095
Learning Progressions for Climate Change: How does it look like in Singapore’s school geography? | Choon-Hung CHAN, Geok-Chin Ivy Tan, Josef Tan, Chia Hui Kwek, Dennis Liaow
PAP411
A Deconstruction of the Issue Investigation Project – Creating Meaningful Learning for our Secondary 3 Students in Social Studies | EDWIN T H CHEW, David Kwong Hsian Chung, Wee Lip Hui, Toh Jia He Benjamin

IT in Education

NIE2-01-TR212
PAP304
Barriers influencing a Blended Classroom Learning Environment: A Case Study | MdM Park TH, Dr Quek Choon Lang
PAP133
A Study on One-to-One Computing in Singapore | Mun Siong KOM, Seau Yoon FOO, Ming Yew LEE, Victor Lim Fei
PAP180
Facilitating Singapore Primary Students' Learning in Mathematics with the implementation of Flipping Classroom & One-to-one Computing | Huan Weiguan Samuel, Doris Choy

NIE3-01-TR303
PAP275
Joy of learning Science: Active Learning with technology in the Primary Science classroom | Wu Puwen, Wong Wai Lit, Nadira Noordin, Herdawati Suleiman, Quah Swee Bee
PAP104
NearPod to promote AFL and 21 CC | Goh Ai Ling, Tan Mei Yin, Wong See Wan

Language and Literacy Education

NIE3-01-TR304
PAP221
Effects of sustained silent writing on Primary 5 pupils’ writing performance scores and writing perception scores | Francesca Pioebe Waw, Muhammad Fahmi Bin Fo'att, Claudia Wong Shi-lei
PAP450
Multimodal composition in the school classroom? Trainee teachers’ views after completing a multimodal assignment themselves | Ramona Tang
PAP063
UnPEEeling the PEEL: An Inquiry into Writing under Examination Conditions | Karthickeswar Gounden

NIE3-01-TR318
PAP282
Experiential Learning as a Pedagogy to Enhance the Learning of Malay Proverbs | Massuniza binte Ismail
PAP485
Attitudes Towards English-Malay Bilingualism Among Students And Young Working Adults | Muklis Abu Bakar, Ariff Rozan Bin Mohammed Eusoff Sahab, Nurul Fadilah
PAP403
A second language listening comprehension model: Data from an empirical study | Vahid Aryadoust
Learning Sciences

NIE3-01-TR307 PAP156 Emotional Design in Multimedia Learning | Dr Tan Wah Pheow
PAP046 Making Thinking Visible through the Use of Multiple Representations | Wong Lilan, Lynn Ng
PAP613 Learning analytics for enhancing formative feedback and pedagogical adaptivity in nurturing collaborative critical literacy skills: Teachers’ accounts of potentials and pitfalls | Jennifer Tan, Christin Jonathan, Siu Hua Tan

Others

NIE3-01-TR317 PAP478 "I Decided to Change... I Started to Focus...": Positive Turning Points of Academically At-risk Adolescents in Singapore | May Li Lim, Imelda S. Caleon
PAP524 Education for sustainable food consumption in Singapore schools | Johannah Soo, Dr. Joyce Mok
PAP575 Agents of Resilience: Examining The Factors that Influence Shifts in the Academic Trajectories of Academically At-Risk Students | Imelda S. Caleon, Nur Qamarina Bte Ilham

Physical Education & Sports

NIE2-01-TR208 PAP545 Creating opportunities for Self-directed Learning using Mobile apps in Physical Education | Muhammad Shuff Bin Salleh
PAP612 Psychometric properties of instruments to measure positive youth development through sports in Singapore | Regina Lim, Koh Koon Teck
PAP081 I See T(technology) in PE | Samuel Chan, Dominic Heng

School Change and Leadership

NIE3-01-TR320 PAP019 Achieving Student-centric, Values-driven education through Transformational and Servant Leadership styles | PANG Choon Guan
PAP326 The Influence Process of Teacher Leadership in Singapore Primary Schools | Nguyen Thanh Dong

Science Education

NIE2-01-TR201 PAP213 Students’ perceptions in using Advance Organizers in a biology subject | Goh Miah Kiat
PAP097 The use of flipped classroom with a pre-lesson presentation, role-playing and peer feedback on the Case-based Learning approach | Ng Yin Ni, Annie

NIE2-01-TR202 PAP218 The Use of Diagnostic Tools and Active Learning Strategies to Help Address Alternative Conceptions in Physics Learning | Tan Yi Lin, Donavan Lau
PAP410 Constructivist Guided Discovery Using Pictorial Organizer: Effects on Gender Difference on TUG-K of BS Architecture students of BuSU | Freya Gay Avenir Jingco
PAP057 Feminist Science Inquiry in the STEM Education of Girls | Tang Wei TEO

Special Needs Education

NIE3-01-TR316 PAP229 Parents of Children with Special Needs and their School Engagement in Singapore | Vasillis Strogilos, Abraham Stefanidis
PAP230 BOTH A BANE AND A BOON Musings on Response to Intervention from India | Ajit Moorkoth
PAP074 Experiences of Intervention Support Targeting possible Pathological Demand Avoidance (PDA) Syndrome | Hui Wen, Wong, Syafiqah Mohammad Faiz, Eunice, Loi, Choi Pui Meng

Teacher Quality, Teacher Learning and Development

NIE3-01-TR309 PAP087 A Questionnaire Survey on Chinese Zhuangang Primary English Teachers’ Perceptions of Their Professional Identity | Xuuzhen Xiong, Tao Xiong
PAP054 A reflective practice: issues to students’ learning and pedagogical practices | Erkan Polatdemir
PAP116 Investigating the provision of professional learning and development for New Zealand middle level teachers | Dr Brenda Shanks

NIE3-01-TR310 PAP396 Teachers’ Teaching Beliefs in an Applied Learning University in Singapore | Mary Chen, Mark Newman
PAP407 Collective teacher efficacy and Student Achievement: A review of the literature | Alistair Peacock, TAN Jing Yi, Terence Titus Chia
PAP365 DEVELOPMENT OF AN INSTRUCTIONAL MODEL BASED ON EXPERIENTIAL LEARNING AND COLLABORATIVE LEARNING FOR ENHANCING TEACHING COMPETENCIES OF | Janjira Chaipamornrit

SYMPOSIUM SESSION III

12:45 - 14:15 hrs

Cognition, Motivation and Learning

NIE3-01-LT8 SYM024 Understanding Motivation in the classroom: Evidence and Practices | Chair: Liu Woon Chia; Presenters: Johnmarshall Reeve, John Wang, Lu Woon Chia, Adrian Kee, Zason Chian, Dennis Kom

Curriculum Development

NIE2-01-TR206 SYM017 Maker-Centered Learning – A Multi-perspective Experience from Singapore Schools | Chair: Koh Hon Jia; Presenters: Wei Hong Shen, Tan Kok Ping, Koh Hon Jia, Teo Beng Chong, Toh Hiew Kang Dennis, Leung Hui Leng, Yeo Puay Hong

Early Childhood Education

NIE3-01-LT10 SYM011 SKIP Classroom Observation Symposium: Describing Pedagogical Practices in Selected Areas of the NEL Framework | Chair: SUM Chee Wah; Presenters: Raymond Ong, Mrs Malicka HABIB, Anthony ENG, Dr Alfredo BAUTISTA, Ms Anisa RAHIM, Ms Eriq QUEK, Ms Poonam V, Dr Ana MORENO-NÚÑEZ, Ms Swee Fuan KOH, Ms Farina AMSAH, Siew Chin NG
NIE5-01-LT12 SYM013 Culturally Innovative Pedagogies and Value–Relevant Creativity in Early Education | Chair: Ai-Girl Tan; Presenters: Karen H. L. Phua, Ai-Girl Tan, Petrina Shamila, Chi-Ping Yuen, Amirah Zainalabidin

Language and Literacy Education

NIE3-01-LT9 SYM031 Improving Second Language Extra-Curricular Activities | Chair: Peter Carter; Discussant: C. Jeff Anderson; Presenters: Peter Carter, Lucas

Learning Sciences

NIE3-01-TR305 SYM029 Games for Learning in Singapore classrooms: From Design to Desired Learning | Chair: Dr Matthew Gaydos; Discussant: Victor Lim Fei; Presenters: Ms Michele Tang, Ms Suyaida Dol Mat, Mr Winfred Oh, Ms Adeline Krishnan, Wong Chin Seng, Mr Tan Chin Guan, Mr Chew Ying Chao, Mr Wong Wai Kiat , Mr Rishabh Talwalkar, A/P Mark Baidon, Matthew Gaydos, Suhaime Bin MOHAMED AFANDI, Dr Ivy Maria Lim, Tharuka PREMATILLAKE, Mr S N Cheva Rajah
School Change and Leadership

NIE2-01-LT5 SYM026 Establishing adaptive capacity through diffusion of educational innovations: a multi-scalar notion of ecosystem resilience | Chair: Prof David Hung; Presenters: Sham Ravee, Yancy Toh, Prof David Hung, Lee Yu Ling, Dr Azlaiwati Jamaludin, Tan Aik Lim

WORKSHOP C 12:45 - 14:15 hrs

NIE2-01-TR204 WOR423 Teaching High Achieving Students Using A Multidisciplinary Approach Involving Thinking Routines | Haliza, Trixie Chan, Germane, Laura Or

NIE3-01-TR302 WOR639 Literature as a Path to Expanding Creativity and Deepening Moral Understandings | Prof. Stephan Ellenwood

NIE3-01-TR313 WOR301 Hands-On Pedagogies for Teaching Computational Thinking Skills | Prof Looi Chee Kit, Peter Seow, Dr Bimlesh Wadhwa, Dr Wu Longkai

NIE2-01-TR211 WOR202 Teaching to nurture creativity and divergent thinking in Mathematics | LYE Wai Leng, LI EW Yew Tze, CHONG Hui Ling Marcus

NIE3-01-TR301 WOR171 Developing Primary School Pupils in Understanding Scientific Variables | Nelson Tong

NIE3-01-TR311 WOR424 Making for science education: reconsidering the nature of science in science instruction | Michael Tan

NIE3-01-TR312 WOR432 Building a Reading Culture through the School Library | LOH Chin Ee, Wan Zhong Hao

NIE3-01-TR315 WOR113 Structured Writing Instruction and Writing Checklist aid Learners with Dyslexia in their Narrative Writing: A Case Study | Serena, Rosalyn, Nur Alla

NIE3-01-TR306 WOR045 Teaching of Oral Communication using Wayang Kulit (SHADOW PUPPETRY) | Rosliah Yusof

TEA BREAK 14:15 - 14:45 hrs

PAPER SESSION IV 14:45 - 16:15 hrs

Civics and Moral Education

NIE2-01-TR209 PAP297 Infusing Ethics and Values in Upper Secondary Chemistry Curriculum | David Loh

NIE2-01-TR208 PAP023 A Pilot Evaluation on the Effectiveness of a Developmental Lesson Package to Develop Skills on Social and Emotional Learning | LIM Shiew Yee, SIM Shin Shu Lee, LI Xiaoping, PON Zhaoxin, TAI Wei Peng

NIE3-01-TR304 PAP274 Supporting “Productive Struggle” in Mathematical Problem Solving: The Case of “Contrasting Examples” | Prashant JAYARRAGAS

NIE3-01-TR305 PAP576 Motivational profiles in mathematics learning and their correlates with student background, student outcomes, and classroom instruction: A latent profile and multilevel modelling approach | Melvin Chan

Cognition, Motivation and Learning | Educational Policies and Practices

NIE3-01-TR304 PAP198 A Comparative Study of the Philosophy programmes in Raffles Institution and Raffles Girls’ School (Secondary) | Kristie Chen, Lim Er Yang

NIE3-01-TR305 PAP050 Impact of Philosophy for Children on Students’ Reading Comprehension | Yosef MICHAEL

NIE3-01-TR306 PAP421 The meanings of Multicultural education: Comparing Perspectives from China and Finland | Xiao Xu Liu, Fred Dervin

Curriculum Development

NIE3-01-TR317 PAP211 SMU-X Pedagogy - Two Case Studies | Gary Pan, Swapna Gottipati, Venky Shankararaman, Tan Gan Hup

NIE3-01-TR318 PAP182 On-Demand Learning Using Mini-Projects in the Polytechnic | Nalaka Edirisinghe

NIE3-01-TR319 PAP363 FAMILY’S CARE FOR THE OLDER PERSON IN NORTHERN THAILAND | PANPIMOL

Curriculum Development | Cognition, Motivation and Learning

NIE3-01-TR316 PAP233 Language Anxiety: A case of students in a Public Speaking course at a Bangladeshi University | Nadia Tanjipe Haque

NIE3-01-TR317 PAP236 Understanding Culture; Understanding History: Chinese Music Appreciation as General Education Course in Tertiary Education | Martin Lee

NIE3-01-TR318 PAP346 Developed To Enhance Students’ Thinking, Contemplating And Cognitive Students Of Teachers In The Course Of Learning Design And Management | Prashant Jayarragas

Educational Policies and Practices

NIE3-01-TR309 PAP100 Emerging from the shadows: A case study of a private tuition agency in Singapore | Dorothy Koh, Peter Tee

NIE3-01-TR310 PAP435 Coercive governance and the possibilities for pedagogic agency | David Hall

PAP214 System theories revisited: Implications of system theories for educational policy decision making | Kye Hye Yoon Cho

IT in Education

NIE2-01-TR207 PAP257 A Journey through Time – Remembering Dakota Crescent with Student-Designed Web Application | HO Su Siew, Tan Kian Boon, Wong Lu Ting, Gi Soong Chee

NIE3-01-TR318 PAP453 SMILAA Framework: Bridging the seams among the contexts for second language learning with social media | Wong Lung Haing, Chia Ching Sieg, Aw Guat Poh

NIE3-01-TR319 PAP582 Supporting Immersive Participatory Learning in an Augmented Reality Environment from Embodied Cognition Perspectives | HYO-Jeong So, Ji-hyang Lee, Min-Whi Seo, Seungjae Oh

NIE3-01-TR320 PAP434 Using Adaptive Learning Approach to Improve Primary Students’ Chinese Language Reading Comprehension Abilities | Low Tan Yung, Soon Hong Ling, LEE JO KIN, Tan Siew Chian

Language and Literacy Education

NIE2-01-TR212 PAP237 Using multimodal ‘rich texts’ for language teaching and learning | Alexisia Chia, Carolyn Chan

PAP287 A socio-cognitive approach to teaching English language writing: impact on primary school pupils’ compositions | Lai Kuan Hoe Leslie, Cheung Yin Ling

PAP378 Teaching Speaking in the Singapore Secondary English Language Classroom | Aw Hui Teng
DETAILED PROGRAMME DAY 2

Thursday, 01 Jun 2017

NIE2-01-TR210  PAP010  Cartoons and Cooperative Learning for Improved Learning - The Teaching of Malay Language Proverbs | Sharifah Thalha SYED HARON

PAP139  Malay Language Comprehension Component: A Comprehensive Approach to Slow Progress Learners | Siti Norruhidah Bte Sonny

PAP487  Attitudes Towards English-Malay-Arabic Trilingualism Among Madrasah Students And Graduates | Mukhlis Abu Bakar, Nurzahidah Binte Shukor, Nur Liyana Bte Osman

Science Education

NIE2-01-TR201  PAP430  Practical Work in Science: Are we doing enough for the “thinking behind the doing”? | Md Shahrin Positioning the science learner: Get the marks or think about how to solve it? | Fatema Anis Hussain

PAP519  High School Students’ Moral Judgment on GMO Issues | ONRUMPA, Pongsophon, Arunyawat

NIE2-01-TR202  PAP302  A conceptualization of scientific literacy for 21st century science education | William Wong

PAP532  Teaching science using an image to writing approach: a case study on heat and temperature in a Singapore primary classroom | Aloysius Ong, Jennifer Yeo, Daniel Tan, Tan Poh Hiang

PAP572  Doing Science in Our Backyard | Ning Hwee Tiang, Lee Shan Shan

Special Needs Education

NIE3-01-TR303  PAP342  Special Education Teachers’ Perspectives on the NAC Artist-SPED School Partnership Programme and Artist-in-School Scheme. | Nursidah Malik

PAP058  Listening to Students’ Voices in School Intervention Practices for Special Educational Needs | Gwendolyn N. Bava, Choi Pui Meng

PAP111  Bridging the Research-to-Practice Gap for Special Educators in Singapore | Alisa Goh, Zachary Walker

Teacher Quality, Teacher Learning and Development

NIE3-01-TR310  PAP341  Practical Wisdom in a Teacher’s Narratives: Reflections on Development | A. Cendel Karaman

PAP445  Situated professional development for innovation diffusion: The journey of a school-based innovation | Shu-Shing Lee, Hari Jang, Yancy Toh

PAP151  Evidencing the impact of professional learning development – A critical reflection | Lily Yip

NIE3-01-TR322  PAP546  Enhancing Teacher Learning: Problematising and interrogating conceptual thinking in the primary classroom | Letchmi Devi Ponnusamy, Amira Ibrahim

PAP408  Role Of Teacher Development Towards Redesigning Communication Pedagogy In Philippine Higher Education | Dr. GRACEL ANN S. SABAN

PAP154  Towards inquiry learning in Science: Innovation as a catalyst for teacher learning and change | Alia Aziz Alkaff, Neo Chow Teew

Visual and Performing Arts

NIE3-01-TR307  PAP505  Developing 21st Century Dispositions through Peer-Directed Sectionalists: A Case Study of a High Performing Primary School Band | Leonard Tan, Pamela Costes-Onishi

PAP338  Engaging continuous student feedback for pedagogical improvements | Yam Min Yee, Angeline

SYMPOSIUM SESSION IV

14:45 - 16:15 hrs

Cognition, Motivation and Learning

NIE3-01-LT8  SYM035  Is working memory working everywhere? | Chair: Kerry Lee; Presenters: Jeremy Ng Lan Kong, Kng Kiat Hui, Kerry Lee, Matthew Wallace, Tan Bee Li

Educational Policies and Practices

NIE5-01-LT12  SYM040  Distributedness of School Leadership: | Chair: Hairon Salleh; Presenters: Hairon Salleh, Lim Soh Peng, Janice Khoo Mee Young

Learning Sciences

NIE2-01-LT5  SYM007  Designing for teamwork | Chair: Elizabeth Koh; Discussant: Mun Siong KOM; Presenters: Elizabeth Koh, Mun Siong KOM, Jennifer Tan, Helen Hong, Tee Yi Huan, Tay Kian Leng Patrick, Chan Hwee Leng, Rebecca Neo Hui Yun, Serene Toh

Science Education

NIE3-01-TR305  SYM030  Developing Lower Secondary Science Students’ Argumentative Skills: Insights From a School Research Partnership Project | Chair: Dr Azilawati Jamaludin; Presenters: Seah Lay Hoon, Dr Azilawati Jamaludin, Frederick T. Talaue, Jocelyn TEO Ching Fang, Anglie, NG Sor Ling, Katherine, LI Peishan, KOK Lin Jin, Buana Sandiela Putra

NIE3-01-LT10  SYM003  Developing and Evaluating an Integrated Instructional Unit on Kinetic Theory of Matter (KTM) | Chair: GH Ong Soo Ee; Discussant: Charles Chew; Presenters: GH Ong Soo Ee, Ms Hoh Yi Ting, Suparna Suthrum, Mr Muhammad Faez Rahmanedd, Ms Michelle Goh, Mr Wong Yann, Mdm Yau Li Heong, Mdm June Wong, Mr Chang Jee Yen, Mrs Cynthia Chan, Mr Arthur Lim, LEE Siew Lin

Special Needs Education

NIE3-01-LT9  SYM021  Teaching Students with autism spectrum disorder in Hong Kong | Chair: Fuk-chuen HO; Presenters: Sam Ka-lam LAM, Cici Sze-chi Wong, Grace Chan, Ka-yan TSE, Chi-hung LEUNG, Ming-tak HUE

Teacher Quality, Teacher Learning and Development

NIE2-01-TR206  SYM018  Educational transfer and pedagogical borrowing: Micro to Macro perspectives from Singapore | Chair: Rita Elaine Silver; Presenters: Tang Tang HENG, Rita Elaine Silver, Galyna KOGUT, Maria Manzon, Robert Santiago de Roock, Darkine Machell de Leon Espena

WORKSHOP D

14:45 - 16:15 hrs

NIE3-01-TR320  WOR401  A Pedagogical SO Approach for Error Analysis And Customised Learning Intervention In A-Level Biology | James Choi, Tan Zi Ling, Hong

NIE2-01-TR302  WOR401  Developing SEL Competencies in students through Self-reflection and Assessment | KYAW SAW LWIN, THAM PEISHAN

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<th>Session</th>
<th>Code</th>
<th>Title</th>
<th>Presenter(s)</th>
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<tr>
<td>NIE2-01-TR203</td>
<td>WOR152</td>
<td>Adapting and Standardizing the Ages &amp; Stages Questionnaires and the Ages &amp; Stages Questionnaires: Social-Emotional</td>
<td>Xie Huichao</td>
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<td>NIE2-01-TR204</td>
<td>WOR586</td>
<td>Delivering a responsive model of trans-disciplinary research and engagement that addresses community needs: The Early Start Responsive Research Approach</td>
<td>Tony Okely, Marc de Rosnay</td>
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<td>NIE3-01-TR311</td>
<td>WOR107</td>
<td>Correcting climate change misconceptions through the use of refutation text</td>
<td>Frances Ess, Chew-Hung CHANG, Liberty Pascua</td>
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<td>NIE3-01-TR312</td>
<td>WOR224</td>
<td>Delivering 'Future Thinking' Skills in Schools</td>
<td>Jarett Kan, Liu Guoyi, Tan Kok Choon</td>
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<td>NIE3-01-TR301</td>
<td>WOR443</td>
<td>Scaling out teaching and scaling up learning through flipped classroom</td>
<td>GONDA Donn Emmanuel Ventura, Qi Xinyu, Yeon Jeong Elizabeth Oh, Emily T. Y. Leung, Chi-Lei Lei</td>
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<tr>
<td>NIE3-01-TR306</td>
<td>WOR021</td>
<td>How to teach onomatopoeia in Intermediate Malay</td>
<td>Jyhwee SEW</td>
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<tr>
<td>NIE3-01-TR313</td>
<td>WOR305</td>
<td>How Computational Thinking and Design Thinking Skills taught by teachers are manifested in students’ work?</td>
<td>Prof Looi Chee Kit, Dr Bimlesh Wadhwa, Peter Seow, Dr Wu Longkai</td>
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<tr>
<td>NIE2-01-TR211</td>
<td>WOR017</td>
<td>Tinkering Science in STEM Education</td>
<td>Noor Isham SANIF</td>
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**OER Signature Symposium**  
**16:15 – 17:15 hrs**

NIE5-01-LT12  
Education Research in Singapore: Synthesising Findings, Charting New Directions  
**Presenters:** David Hung, Jennifer Tan, Dennis Kwek, Tan Liang See, Yancy Toh, David Huang, Kenneth Poon
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<td>08:00</td>
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<td>08:00</td>
<td>Keynote 3: Moral Character and Virtue in Education and Public Life by Professor David Carr</td>
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<td>10:00</td>
<td>Keynote 4: Interest-based Learning: A New pedagogical framework for future education by Professor Kim Sung-il</td>
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<td>11:30</td>
<td>Award Ceremony</td>
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<td>12:00</td>
<td>Lunch</td>
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<td>13:15</td>
<td>Paper Session V</td>
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DetaiLed Programme Day 3
Friday, 02 Jun 2017

School Change and Leadership

NIE7-01-TR708
PAP227  The Fourth Blueprint: Leading program innovation and educational change in creative STEM learning  | Dr Esther Joosa, Anna Salaman, Esther Nai
PAP374  Leading Learning Cultures in Action: Connecting Leadership and Learning in Hong Kong's Secondary School Curriculum Reform  | Gary T Wong
PAP043  Research and trends in the field of higher education from 1998 to 2012: A content analysis of leadership studies in selected journals  | Sally Wai-Yan WAN, LEUNG Wan Yue

Science Education

NIE5-01-TR507
PAP438  Characterising the explanations students produce of phenomenon of Dynamics  | Jennifer Yeo, Eugene Lim
PAP094  Exploring the Meaning of Physics’ Culminating Activity: Physics of Sports  | Allan
NIE5-01-TR508
PAP073  Use of Variation Theory in the Teaching of Chemistry: Elements, Compounds and Mixtures  | Karen Kim, Simon Yap
PAP109  From Examination Ready to Future Ready—The Use of Team-Based Learning for Reviewing Answers  | Kim Yeow CHIAM, Liyun WONG
PAP389  Use of PRO in structuring students’ answers for open-ended questions  | Goh YingKun Allan, Ling Wei Lee

Teacher Quality, Teacher Learning and Development

NIE7-01-TR709
PAP126  Multimodal Pedagogic Discourse In A Low-Progress Classroom  | Ali Haikal, Victor Lim Fei
PAP256  Making Connection between Theory and Practice: The Use of Technology To Develop Beginning Teachers’ Practices  | Steven Tan Kwang San, Isabella Wong Yuen Fun, Tan Seck Heng, Helen LOW
PAP254  Developing Teachers’ Topic-Specific PCK in Lower Secondary Science  | S. Ravindran, Lau Chor Yam
NIE7-01-TR710
PAP571  Teacher leadership vignettes  | Helen HONG
PAP479  Professional Conversation in the PLC: A literature review  | Terence Titus Chia, TAN Jing Yi, Alistair Peacock
PAP215  Theoretical Frameworks for Promotion and Transfer of Teachers  | Kyehyeon Cho

Teacher Quality, Teacher Learning and Development  | Civics and Moral Education

NIE7-01-TR716
PAP147  Learning to Become a Student-Centered Teacher in a Test-Centered Education System: The Case of Korean Novice Teachers  | Jina Ro
PAP366  A closer look into the characteristics, beliefs, and values of Gen Z students in the Philippines  | Rochelle Razoo, Marita Marcelo
PAP101  The facilitative and inhibitive conditions of social support - implications to teaching and learning  | Lam, B.H., Li, W.

Symposium Session V

Early Childhood Education

NIE3-01-LT8
SYM034  Conducting large-scale cluster randomised controlled trials in early childhood education and care settings  | Chair: Tony Okely; Presenters: Marc de Rosnay, Tony Okely, Rute Santos

Educational Policies and Practices

NIE2-01-LT5
SYM022  Co-constructing a Singapore Curriculum Philosophy: Context, methodology, and application  | Chair: Dr. Chua Bee Leng; Discussant: Prof David Hung; Presenters: Karen Lam, Anna Cali, Melvin Chng, Tan Liang See, Dr. Chua Bee Leng

NIE3-01-LT10
SYM005  Insights into Research on Singapore Low Progress Classrooms (Part 1)  | Chair: Imelda S. Caloene; Discussant: Robert Santiago de Rook; Presenters: Imelda S. Caloene, Ma, Glenda Lopez Wui, Dr. Tony Chua, Noor Aiman Saffar, Edwin Wan

IT in Education

NIE5-01-LT12
SYM039  Assessing and fostering 21st Century Competencies (21CC) in Learners: Insights from a meta-synthesis of Singapore educational research  | Chair: Jennifer Tan; Discussant: Dr. Sheryl Lyn MONTEROLA; Presenters: Jennifer Tan, Dr. Sheryl Lyn MONTEROLA, Elizabeth Koh, Dr Jeanne Ho

Special Needs Education

NIE7-01-LT4
SYM041  The MINDS journey in supporting students with autism spectrum disorders: Reflections from teachers  | Chair: Kenneth Poor; Presenters: Guo Yan Yan, Wu Han Yian, Shen Shihui, Santha, Surya, Choo Wei Kian

Workshop E

NIE2-01-TR201
WOR186  Lesson Study on crafting dialogue for effective characterization through peer assessment (rubrics), supported by ICT  | Jiang Bei, Gu Yuan Yuan, Tay Hui Cheng

NIE2-01-TR216
WOR270  Enhance the Learning of Vocabulary in Primary Three Students through the Use of Taboo.  | Rehana Shaik

NIE2-01-TR209
WOR146  Building a Writing Culture  | Sarah Org, Maybelline Teo

NIE2-01-TR206
WOR349  Using Article Structure Approach to Deepen the Text Teaching and Improving Reading & Comprehension Skills  | Chen Meiqing, Chen Chun, Yang Hui

NIE2-01-TR215
WOR076  Once Upon a Time: An Introduction to Digital Storytelling  | Philip TOWNDROW, Galyna KOGUT

NIE2-01-TR212
WOR174  "Looking Back" at Polya’s Fourth Phase of Mathematical Problem Solving – a mathematical problem solving case study”  | Jason Charles INGHAM

NIE7-01-TR714
WOR006  The Role of Mediated Learning Experience (M.L.E.) in the Teaching and Learning of Mathematics  | Wendy TAN

NIE7-01-TR715
WOR013  "Enhancing the Teaching and Learning in Expansion and Factorisation of Quadratic Expressions”  | ANG Sock Kiang

NIE2-01-TR204
WOR098  Self-Directed Learning and Reflective Practices in Physical Education through Edmodo  | SHEN Weixiong, Anthony Ruben Aruldas

NIE2-01-TR211
WOR183  Managing discussion in reading comprehension lessons: Teacher ‘moves’  | Rita Elaine Silver, Jessie Pang

NIE2-01-TR202
WOR192  Team Based Learning@Spectra Secondary  | Christopher Lee, Lee Lye Peng
DETAILED PROGRAMME DAY 3
Friday, 02 Jun 2017

TEA BREAK
14:45 - 15:15 hrs
PAPER SESSION VI
15:30 - 17:00 hrs

Assessment
NIE2-01-TR207
PAP138
Empowering students in self-assessment: Are our students ready? | Tan Lay Khee, Gin Hin LOH, Goh Hoon Bee, Kathryn, Zhang Pengchi

PAP286
Interlacing Assessments through Studio-based Learning in the Diploma for Sustainable Urban Design & Engineering at Ngee Ann Polytechnic | Anurima Chatterjee

PAP106
Assessing misconceptions in primary science using 3-tiered multiple-choice question and thinking routines | Yeo Chong Chee, Ahmad Tarmizi bin Mohd Kassim, Yew-Jin Lee

Curriculum Development
NIE5-01-TR507
PAP082
Student perception of Investigative Case-based Learning in learning research skills in Madrasah Al-Islamiyah | Salehan Asmore, Mahathir AL, Siti Fatinah

PAP377

PAP370
The Impact of a Gratititude-Based Intervention on Social Relationships and Kindness of Academically At-risk Students | Juli Anna Mohamad Aris, Imelda Calon

NIE7-01-TR705
PAP382
An Experiential Learning approach to develop Professional Competency: Diploma in Business Studies curriculum at Ngee Ann Polytechnic | Mrs Ng Lai Leng, Tay Chin Chin, Mario Goh, Wong Tee Shiw, Wong Wai Mun, Jocelyn Soh

PAP129
Investigating a Framework for Innovative Curriculum in a VUCA World | Swee Hsien POH

Educational Policies and Practices
NIE5-01-TR508
PAP347
Scholarship in Basic Education: The Challenge of Managing Resources and Providing Support | Manita Marcelo, Bryan L. Ignacio

PAP062
Differences and Relationships in Learning Styles and Self-efficacy of Students and Teachers; and Predictors of Performance of Senior HS | LYNETTE

IT in Education
NIE7-01-TR711
PAP134
Creating Animated Textbooks Segments for Value Education and Chinese Language Learning (presented in Chinese) | Liu Chang, Ong Boon Leng, Yong LinLin

PAP099
Designing a Malay Language Comprehension Lesson for Primary Education using Effective Use Of Technology and SAOBBM Technique (presented in Malay) | Faridah Jaafar, Suryani Azam

PAP291
Online collaboration and its impact on primary 3 Tamil Language students’ composition. | Sumathi Siva Kumar, Safiya Umar, M Buvaneswari, Mrs Hari

NIE7-01-TR712
PAP008
ICT-enhanced Active Collaborative Learning of Entrepreneurship using Computer Simulation Game and Online Tool | Tat Kwong YAP, Aloysius THONG, Liaw Chun Hui

PAP202
ICT Leadership for Curriculum Development, Lesson Delivery and Teacher Reflection | Sharifah Thalha SYED HARON, Mustafa ALSAGOFF

PAP212
Using the affordances of technology and environment in making the invisible visible in Science learning. | Nelson Chong, Joyce Seow Swee Yin, Fatinah Abdul Khalir

NIE7-01-TR713
PAP362
Knowledge Building Pedagogy and Technology Adaptation in History Classroom: Developing Historical Thinking & Empathy in Students | Teo Chew Lee, Melvin Chan, Ellie Soh Yu Bin

PAP578
Synchronous Collaborative Mathematics Learning in Early Primary School Grades: Challenges and Opportunities | Jivica Boticki, Martina Holenko Dlab, Natasa Hbic Bosic

PAP158
Teachers’ TPACK for meaningful learning in different technological environments | Chen Chen, Wan Haipeng, Li Baoping

Language and Literacy Education
NIE7-01-TR709
PAP288
Cosmopolitan Ethical Criticality in the Literature Classroom: Principles of Practice | Suzanne Choo

PAP306
Learning by Doing: Unlocking the Cultural Practices @ Baleshier | THA PETER

PAP279
Linguistic hybridity of a neighbourhood in Singapore: Language use in public signs | Shaoxiong Xu

NIE7-01-TR710
PAP417
Infusing Rich Texts into the EL-Literature classroom | Lee Wenting

PAP003
Assigning Competence to Nonnative Language Speaking Teachers and Students | George JACOBS

PAP486
Relationship between Home Literacy Environment (HLE) and School Readiness | Ms Farina AMSAH, Nur Artika Arshad, Siew Chin NG, Beth O’Brien

Mathematics Education
NIE5-01-TR504
PAP047
Constructivist Approach to Teaching of Hypothesis Testing | George Lim, Lawrence Koh, Kho Hock Heng

PAP115
Using Teaching Aids to Teach Fractions to Primary 4 Middle-Progress Pupils | Teo Qiao Xuan, Charissa Chan Kar Yee, Zalina Kuzlan, YEONG Soo Leng, Kenneth Cheong

PAP136
Self-directed Learning Package on Graphs of Functions | Kho So Geok Hwa

NIE2-01-TR214
PAP225
Redesigning Pedagogy through Design Thinking for Innovations in STEM Education | Padmanabhan Seshayeri

PAP278
Teaching Division Using the Interactive Unit Method for students who have no access to division using the traditional method. | Shanthi Govindan

PAP361
Investigating generativity on the learning effect of delayed instruction | KC Wye

Others | Teacher Quality, Teacher Learning and Development
NIE7-01-TR716
PAP507
Purpose and school experiences among adolescents in Singapore | Mary Anne Heng

PAP425
Antiracism education in and out of schools | Amin A Alem

PAP574
Better, as opposed to merely Correct: The Scholarship of Teaching and Learning for Teachers | TANG Chee Onn

Physical Education & Sports | Teacher Quality, Teacher Learning and Development
NIE5-01-TR505
PAP513
A New Framework for Game-Centred Teaching in Schools: Aligning Planning, Practice, and Assessment for Student Learning | TAN SHEIN MENG, Steven Tan Kwang San, CONNIE YEO, WONG LIAN HANG

PAP491
Beyond plurilingualism in Education? Exploring the potential influence of robotics and education technology in translanguage | Dr. Heidi Layne, Fred Derwin

Special Needs Education
NIE5-01-TR506
PAP394
A pilot contextual study of the role of Special Educational Needs Coordinators on inclusive practices
## Teacher Quality, Teacher Learning and Development | School Change and Leadership | Curriculum Development

### Day 3

**SYMPATHY SESSION VI**

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Presenters</th>
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<td>SYM002</td>
<td>Afl, as it is perceived and practiced</td>
<td>Chair: TAY Hui Yong, Discussant: Dr Christopher Denen, Presenters: TAY Hui Yong, Karen Lam</td>
<td>NIE7-01-LT4</td>
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<tr>
<td>SYM023</td>
<td>Teacher strategies for language learning in kindergarten classrooms: Examinations across the official languages of Singapore</td>
<td>Chair: Beth O'Brien, Presenters: Nurul Taqiah Binte Yussof, Leong Xuan En Rachel, Raymond Ong, Anthony ENG, Ms Poorani V, Mrs Malikka HABIB, Sun He</td>
<td>NIE2-01-LT5</td>
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<td>SYM038</td>
<td>The State of Education and the Education State: Findings and Reflections from NIE's Core Research Programme, 2004-Present</td>
<td>Chair: Dennis Kwek, Discussant: Yew-Jin Lee, Presenters: Dennis Kwek, Siti Hawa Jonid, Divya Bhawardh, Fatema Hussain, Viktor Lim</td>
<td>NIE5-01-LT12</td>
</tr>
<tr>
<td>SYM027</td>
<td>Educational innovations as catalyst for change: Partnerships with stakeholders and subsystems in the Singapore education ecology</td>
<td>Chair: Shu-Shing Lee, Presenters: Yancy Toh, Yin Hong Cheah, Dr Azilawati Jamaludin, Seah Lay Hoon, Frederick T. Taluae, Buana Sandila Putra, Peter Seow, Shu-Shing Lee</td>
<td>NIE2-01-LT7</td>
</tr>
<tr>
<td>SYM033</td>
<td>The arts: New directions for creating opportunities in curriculum enhancement and community participation for individuals with special needs</td>
<td>Chair: Dr Esther Joosa, Discussant: Liu Yonglun, Presenters: Yazid Euinos, Bibi Halimah Abdul Kader, Nisha Arun, JANNET BARLISAN DACUMOS, Dr Esther Joosa, Wong Meng Ee</td>
<td>NIE3-01-LT9</td>
</tr>
<tr>
<td>SYM16</td>
<td>Building teaching competence and innovation through research and practice</td>
<td>Chair: Edmund Teo, Discussant: Dr Jeanne Ho, Presenters: Edmund Teo, Kok Li Lian, Siti Fauziah Abdul Latiff, Varella Alan Joseph</td>
<td>NIE7-01-LT5</td>
</tr>
<tr>
<td>SYM028</td>
<td>Building an evidence-base for teacher education: Findings from a longitudinal study</td>
<td>Chair: Low Ee Ling, Presenters: Hui Chenri, Low Ee Ling, Seetha Lakshmi, Cheong Beng Cheong, Lim Kam Ming, Cai Li, Ng Pak Toe</td>
<td>NIE7-01-LT2</td>
</tr>
</tbody>
</table>

### WORKSHOP F

**Class-Based Social Skills Training: Enhancing Social Skills of Students to Promote Prosocial Behaviours and Positive Classroom Culture | Shen Pinxu, Tan Ee Na Joanna, Liew Pei Chin**

**Helping Students to be Better Learner through Mediated Learning Experience (MLE) | Josephine ONG, PHUA Swee Keng**

**To Serve Is To Learn? A Systematic Approach Towards Designing A Service-Learning Programme | LEE SJONG BOON, Er Wan Lin**

**The Use of Arduinos in STEM Education – A Hands-on and Iterative Approach | Leong Hui leng, Yeo Puay Hong**

**An Overview of Package R, What Can IT Do for Your research? | Tan Teck Kiang**


**Translating Reflective Learning Theories into Classroom Practices in School Science | Tan Kok Slang, Edmund Tan Yong Boon**

**General Disorder: Redefining Play with Tabletop Games in the Art Classroom | Tan Hsiao Yuzhao**

**Evaluation of Assessment Tasks and Students’ Works in General Music Programme (GMP) in Singaporean Schools | Leong Wei Shin**