

Parallel Presentations

Content Area	Room Assignment Time	Author(s)	Title
Science	VTH 1-B (TLL) 10:30-11:00	Marlene Ferido, Benedict Barayuga, Pam Robertson, Esther Care Assessment, Curriculum and Technology Research Centre (ACTRC) UP College of Education	Grade 8 Science Teachers' Conceptions of the Nature of Science Inquiry
	VTH 1-B (TLL) 11:10 – 11:40	Benedict Barayuga, Marlene Ferido, Pam Robertson, Esther Care Assessment, Curriculum and Technology Research Centre (ACTRC) UP College of Education	Aspects of Grade 8 Science Curriculum Implementation and Science Inquiry Practices in the Classroom
	VTH 1-B (TLL) 11:50 – 12:20	Maria Teresa M. Fajardo, Prosiebeth G. Bacarrisas, Merlyn G. Gonzales Mindanao University of Science and Technology	Perceptions and Experiences of Preservice Science Teachers on Lesson Study: An Input for Teacher Educators
	VTH 1-B (TLL) 16:00 – 16:30	Joel C. Canceran Holy Spirit National High School	Perceptions of High School Science Teachers About Lesson Study
	VTH 1-B (TLL) 16:40 – 17:10	Venus Alboruto Surigao City National High School	Beating the Numbers through Strategic Intervention Materials: Innovative Science Teaching for Large Classes
Elem Math	VTH 1-A (AV Room) 10:30 – 11:00	Jenilyn Tapit, Ligaya Silot, Raul Borlagdan Commonwealth Elementary School, Quezon City Teresita Mañalac Dana Ong UP NISMED	Lesson Study in Elementary School Mathematics: Challenges and Rewards
	VTH 1-A (AV Room) 11:10 – 11:40	Jeffrey Rufin, Ma. Victoria Bawalan, Encarnacion Callueng, Emeverta Anub Commonwealth Elementary School, Quezon City Teresita Mañalac, Dana Ong UP NISMED	Collaborative Lesson Research and Development in Mathematics 5: The Experience of Four Elementary School Teachers

	VTH 1-A (AV Room) 11:50 – 12:20	Sabrina G. Par, Rosary Carmel E. Fua, Louie Cagasan, Jr. Maria Hazelle Preclaro, Esther Care, Alvin Vista Assessment, Curriculum and Technology Research Centre (ACTRC) UP College of Education	Using Content Knowledge and Item Analysis in the Construction of an Early Grades Mathematics Assessment Tool
	VTH 1-A (AV Room) 16:00 – 16:30	Somruthai Yenjai Narumon Changsri Maitree Inprasitha Khon Kaen University	Student Interns' Pedagogical Content Knowledge in Mathematics in School Using Lesson Study and Open Approach
	VTH 1-A (AV Room) 16:40 – 17:10	Teresita Mañalac, Aida Yap UP NISMED	Improving Pupils' Engagement in Learning Circle Graphs Using an Interactive Courseware
Math	VTH 2-A (ITDC Rm. 207-209) 10:30 – 11:00	Rizavel C. Addawe University of the Philippines Baguio	A Review of the Academic Performance of UP Baguio Students in the BS Mathematics Program
	VTH 2-A (ITDC Rm. 207-209) 11:10 – 11 :40	Ma. Nympha B. Joaquin UP College of Education	Developing Mathematics Self-Efficacy Through Cogenerative Peer Teaching
	VTH 2-A (ITDC Rm. 207-209) 11:50 – 12:20	A. B. Asotigue* S. P. Dumrang, A. A. Lomoljo, and M. LM Diron Mindano State University-Siawadato Community High School	Enhancing Students' Level of Thinking Skills Through Integrative Multi-Modal Strategy in Teaching Mathematics
	VTH 2-A (ITDC Rm. 207-209) 16:00 – 16:30	Jojie M. Aviles Franz Joseph Paul D. Valenzuela Misamis Occidental National High School	Tutorial Through Text-Messaging: A Remediation For Improving Mathematics Performance Among Slow Learners
	VTH 2-A (ITDC Rm. 207-209) 16:40 – 17:10	Sirirat Chaona Alisa Moonsri Maitree Inprasitha Narumon Changsri Khon Kaen University, Thailand	Grade Seven Students' Attitudes Towards Mathematics Teaching and Learning Based on Lesson Study and Open Approach

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Math	VTH 3-A (ITDC Rm. 304) 10:30 – 11:00	Marisol M. Barnachea Christopher R. Capena Romulado M. Dayrit Jennylyn Rose A. Tulio Quennie Lyn G. Baliar Philippine Science High School - Cordillera Administrative Region	Effectiveness of Audio Recordings in Teaching Order of Operations to Students with Visual Impairments
	VTH 3-A (ITDC Rm. 304) 11:10 – 11:40	Maylani I. Galicia National Educators' Academy of the Philippines (NEAP) Region V DepEd Region V	Lesson Study as a Strategy for Professional Enhancement of the Mathematics Teachers of Ligao National High School
	VTH 3-A (ITDC Rm. 304) 11:50 – 12:20	Jaymar Soriano University of the Philippines, Diliman Jimarie Vic Abraham, Ernesto Carinugan Tuguegarao City Science High School	Integration of Root-finding Methods in Fourth Year High School Curriculum
	VTH 3-A (ITDC Rm. 304) 16:00 – 16:30	Nurazah Binti Abdul Manaf, Malaysia-Japan International Institute Of Technology, Universiti Teknologi Malaysia	Managing Mathematics Courses, Assessments, and Course Review Report for Undergraduate Engineering Students
	VTH 3-A (ITDC Rm. 304) 16:40 – 17:10	Jessie C. Pasiona Esperanza National High School Miraluna L. Herrera Caraga State University	Pedagogical Content Knowledge of Geometry Teachers in Mathematical Proofs in the Context of Public Secondary High Schools
HSM	STTC 3-E (Information Science) 10:30 – 11:00	Nessa-Amie T. Peñaflor General Emilio Aguinaldo National High School	Mathematical Anxiety and Misconceptions in Algebra of Grade Seven Students
Science & Math	STTC 3-E (Information Science) 11:10 – 11:40	Celia Balbin, John Reyroso, Michael Anthony Mantala, Ma. Dulcelina Sebastian UP NISMED	<i>KaSaMa Teachers Online Community</i> : Helping Teachers Implement Curriculum Reform
Science & Math	STTC 3-E (Information Science) 11:50 – 12:20	Celia Balbin, John Reyroso, Michael Anthony Mantala, Ma. Dulcelina Sebastian UP NISMED	The <i>UP NISMED K to 12 Science Webinar Series</i> : Linking Curriculum Developers and Classroom Teachers

Biology	STTC 3-E (Information Science) 16:00 – 16:30	Mariam A. Sunggod Mindanao State University- Integrated Laboratory School	Issues-Oriented Approach: Effects on Students' Concept Reconstruction and Achievement in Biology
Science & Math	STTC 3-E (Information Science) 16:40 – 17:10	Maria Teresa M. Fajardo, Trinidad T. Atamosa, Maria Antonieta A. Bacabac Mindanao University of Science and Technology	Incorporating Lesson Study into Student Teachers' In-Campus Practice: Challenges and Sustainability Issues
Content Area	Room Assignment Time	Author(s)	Title
Chem	STTC 1-A (Seminar Rm.) 10:30 – 11:00	Mary Ann D. Mordeno Las Piñas East National High School Fidela Arañes Technological University of the Philippines	Instruction With Multiple Representations: Effect On Students' Conceptual Understanding On The Particulate Nature Of Matter
	STTC 1-A (Seminar Rm.) 11:10 – 11:40	Amelia E. Punzalan Arlene P. de la Cruz UP NISMED	Students Answering their Own Questions: Voices from High School Chemistry Classroom through Lesson Study
	STTC 1-A (Seminar Rm.) 11:50 – 12:20	Ronaldo C. Reyes Tabaco National High School	Effectiveness of Chem-Connect Project in Managing Large Classes in Chemistry
	STTC 1-A (Seminar Rm.) 16:00 – 16:30	Jellina J. Rosga * , Fidela Q. Arañes^ * Cavite National High School	Enhancing Students' Science Process Skills And Metacognitive Awareness Through Guided Inquiry Laboratory Activities (GILA)
Science	STTC 1-A (Seminar Rm.) 16:40 – 17:10	Cyril B. Lusuegro LaarniCaranto-Cahulogan Laarni C. Lorono Ateneo de Davao University-High School Matina, Davao City	Attitudes, Interests, Perceptions and Difficulties in Science of Male and Female High School Students of Ateneo de Davao High School (An EXIT Survey)
Science	STTC 2-C (ESS) 10:30 – 11:00	Divina Gracia M. Jazareno Bambang National High School	Comparative Study on Spiral Progression Approach of Japanese and Philippines Elementary Science Curriculum and Textbook
	STTC 2-C (ESS) 11:10 – 11:40	Michael Leonard Lubiano Southern Luzon State University	Development and Utilization of an Interactive e-Learning Portal for Enhancing the Conceptual Understanding of Grade 8-Learners in Physics

STTC 2-C (ESS) 11:50-12:20	Sally B. Gutierrez UP NISMED	Identifying and Addressing the Challenges of Instructional Materials Development and Inquiry-based lesson Implementation in Elementary Science Teaching and Learning through Lesson Study
STTC 2-C (ESS) 16:00 –16:30	Risa L. Reyes, UP NISMED Amparo F. Olarte, DOST-SEI Leticia E. Andor, DepEd Division of Taguig-Pateros	Academic Supervision of Lesson Study
STTC 2-C (ESS) 16:40 –17:10	Roberto D. Santos Jr., Ma. Miralyn B. Gomez, Cynthia C. Capan, Julie Anne P. Miranda, Marcelita R. Arceo, Jenelyn N. Tanglao, Mary Lou S. Santos, Jurline C. Valete Capas East District, Division of Tarlac Province	Continuous Improvement Program: The Lesson Study Initiatives of Four Elementary Schools in Central Luzon

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Science	STTC 3-A (HSES) 10:30-11:00	Charlie P. Nacario Central Bicol State University of Agriculture	Integrating UNESCO ICT-Based Instructional Materials in Chemistry Lesson
Math	STTC 3-A (HSES) 11:10-11:40	Rey Giovanni L. Villamora PSHS Central Visayas Campus	Virtual Geoboard Plus as an Instructional Tool in Learning Area and Perimeter of Polygon
Science & Math	STTC 3-A (HSES) 11:50-12:20	Lorraine Rose A. Berdin, Melissa B. Dial Julie R. Reyes, Minería A. Se Sta. Lucia High School Soledad A. Ulep, Eligio C. Obille Jr. UP NISMED	Teaching Mathematics Using Volcano Hazards
Science & Math	STTC 3-A (HSES) 16:00-16:30	Eligio C. Obille UP NISMED	Natural Hazards: A Context for integrating Science and Mathematics
	STTC 3-A (HSES) 16:40-17:10	Michael B. Dodongan USEP Tagum	Fear of Failure and Academic Outcome of the Students in USEP Tagum Mabini Campus

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Biology	STTC 3-D (BIO) 10:30 – 11:00	Fema M. Abamo Mindanao State University Mariam A. Sunggod, Mindanao State University- Integrated Laboratory School	Awareness, Perceptions, and Attitudes of Fourth Year High School towards Biotechnology
	STTC 3-D (BIO) 11:10 – 11:40	Josephine M. Maningas, Jonalyn P. Penilla, Lenima B. Bayona, Clarissa C. Creencia,	Effect of Collaborative Lesson Planning on Students' Achievement
	STTC 3-D (BIO) 11:50 – 12:20	Kae Yvette R. Quilaro UP College of Education	Increasing Teacher Self-Efficacy Through Modeling-Based Lesson Study
	STTC 3-D (BIO) 16:00 – 16:30	Teiko Nakamichi Tokyo Institute of Biology Education	Inquiry Into Photosynthesis: "Do Fruits Photosynthesize?"
	STTC 3-D (BIO) 16:40 – 17:10	Yasuhiro Kanaizuka, Tokyo Gakugei University, Nobuyasu Katayama, Tokyo Institute of Biology Education	Inquiry Into Photosynthesis: "Does Photosynthesis Occur In Any Kind of Seaweeds?"

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Chem	STTC 2-B (CHEM) 10:30 – 11:00	Ginalyn P. Bramaje, Allen A. Espinosa Philippine Normal University	Peer-Led Team Learning Approach: Effects on Students' Conceptual Understanding and Attitude Towards Chemistry
	STTC 2-B (CHEM) 11:10 – 11:40	Eddie G. Fetalvero Henley F. Galiga Romblon State University	Non-Education Trained Science Teacher for K to 12: What Gives?
	STTC 2-B (CHEM) 11:50 – 12:20	Garry D. Galvez Edwehna Elinore P. Gayon UP College of Education	Metacognitive Instruction: Effects on Student Question-Posing ability in Chemistry
	STTC 2-B (CHEM) 16:00 – 16:30	Mary Joy M. Villamora PSHS-Central Visayas Campus	Factors Affecting the Ability to Depict Mental Models of Chemical Solutions among Chemistry Students
	STTC 2-B (CHEM)	Odyssa Natividad R. Montoya-Molo	Assessment of the Unit in Chemistry in the Department of Education's

16:40 – 17:10

Mindanao State University, Iligan Institute
of Technology

Prescribed K to 12 Science Learner's Module and Teacher's Guide for
Grade 8

Content Area	Room Assignment Time	Author(s)	Title
Physics	STTC 2-A (PHYSICS) 10:30– 11:00	Geronimo J. Fiedalan, Jr., Andy G. Gutierrez, Jamaica C. Magayo, Cerilina M. Maramag UP College of Education	Frontiers in Physics Made Easy for Teachers and Students
	STTC 2-A (PHYSICS) 11:10 – 11:40	Prosiebeth G. Bacarissas, Maria Teresa M. Fajardo , Hazel G. Castro Mindanao University of Science and Technology	Interactive Science Notebook: Impact on Students’ Achievement, Study Habits, Test Anxiety, and Attitude Towards Physics
	STTC 2-A (PHYSICS) 11:50 – 12:20	Michael Allan A. Bahtaji Technological University of the Philippines, Ermita Manila	Improving Transfer of Learning Using Designed Context-Based Instructional Materials
	STTC 2-A (PHYSICS) 16:00 – 16:30	Meagan Lueise P. Bertiz Amante T. Ama Ateneo de Naga University	BingOhm in Solving Electric Circuits
	STTC 2-A (PHYSICS) 16:40 – 17:10	Laine Jen S. Huang, Amante T. Ama, Ateneo de Naga University	Integration of Fantastic Contraption™ in Classroom Instruction for Kinematics
Physics	STTC 1-B (Microteaching) 10:30-11:00	Myrna P. Mandigma Ramon Magsaysay High School-Manila	Utilization of Problem-Based Learning Activities (PBLA) in Basic Electricity in Enhancing Students’ Achievement and Academic Emotions
	STTC 1-B (Microteaching) 11:10-11:40	Marie Paz E. Morales Philippine Normal University	The Impact of Culture and Language Sensitive Physics on Concept Attainment
Science	STTC 1-B (Microteaching) 11:50 – 12:20	Rochelle T. Papasin Philippine Science High School Southern Mindanao Campus	Learning, Teaching, Achieving: Experiences Of A Professional Learning Community At PSHS Southern Mindanao Campus

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Math	STTC 3-C (HSM) 10:30 – 11:00	Mitsue Arai Hiroshima University Japan	Difficulty in Initial Stage of Geometric Figures Concept Formation of Filipino Elementary School Students
	STTC 3-C (HSM) 11:10 – 11:40	Anna Liza P. Bordado Central Bicol State University of Agriculture Calabanga Campus	A Training Program for the Enhancement of Mathematical Pedagogical Content Knowledge of Preservice Teachers
	STTC 3-C (HSM) 11:50 – 12:20	Christopher D. Esteban Balingcanaway Centro Elementary School, Tarlac City	Enhancing The Multiplication Skills of Grade Three Pupils Using Egg Carton Math, An Array and Number Line Model (<i>An Action Research</i>)
	STTC 3-C (HSM) 16:00 – 16:30	Angelo A. Felipe Rodlyn Eunice M. Aldam Michael Garcia Anita Aparicio Merlita D. Unciano Commonwealth Elementary School Teresita R. Mañalac, Dana M. Ong UP NISMED	Professional Development Through Collaborative Lesson Research and Development
	STTC 3-C (HSM) 16:40 – 17:10	Jatuporn Nasinsroy, Narumon Changsri Maitree Inprasitha Khon Kaen University, Thailand	Students' Mathematical Thinking About Multiplication in Classroom Using Lesson Study and Open Approach
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Science & Math	STTC 3-B (ESM) 10:30-11:00	Romylyn Metila, Lea Angela Pradilla Melissa Marie Digo, Alan Williams Assessment, Curriculum and Technology Research Centre (ACTRC) UP College of Education	Teaching Mathematics and Science in the Mother Tongue: Challenges, Strategies, and Perceived Effects
Science	STTC 3-B (ESM) 11:10 – 11:40	Edwehna Elinore P. Gayon Sheryl Lyn C. Monterola UP College of Education	Development of Functional Science Literacy Test

Math	STTC 3-B (ESM) 11:50 – 12:20	Allan M. Canonigo UP NISMED Mark Conrad R. Ravanzo Metrobank Foundation, Inc Philippines	The Effect of Tutorial Sessions Conducted by MMC Winners on Pupils' Attitude Towards Mathematics
Science	STTC 3-B (ESM) 16:00 – 16:30	Ivy Mejia UP NISMED Sheryl Lyn C. Monterola UP College of Education	Metacognitive Group Discourse: Effects on Preservice Teachers' Understanding of the Nature of Science and Instructional Practice
Science & Math	STTC 3-B (ESM) 16:40 – 17:10	Kristina May Guerrero Rosemarie S. Punsalan Miriam College Middle School	STEM@Home: Parent-Student Collaboration in Developing STEM Skills