

TCTP on ‘Curriculum Innovation for STEM Education: Empowering Educators in AI and Emerging Technologies for Mathematics and Science’

23 September – 13 October 2026 | SEAMEO RECSAM, Penang, Malaysia (Mathematics Group Timetable)

Week 1	Monday, 21 September	Tuesday, 22 September	Wednesday, 23 September	Thursday, 24 September	Friday, 25 September	Saturday, 26 September
0830-1030	SEAMEO RECSAM Welcomes You Arrival of African Participants		SH Opening Ceremony VAR	ML2 Comparative studies of trends and issues in STEM among African countries WNA	Multiplier Effect Proposal	George Town/ Penang UNESCO World Heritage Tour (1D)
1100-1300			SH Admin/General Briefing & Tour Facilities ADMIN	SH Overview of STEM Curriculum in Malaysia JPN, USM	Multiplier Effect Proposal	
1430-1630			SL2 Course Briefing, Pre-test, Country Report WNA	ICT 1 Familiarisation of RECSAM's ICT System MFZ&BNB	ML2 Understanding STEM Curriculum Enhancement WNA	
Week 2	Monday, 28 September	Tuesday, 29 September	Wednesday, 30 September	Thursday, 1 October	Friday, 2 October	Saturday, 3 October
0830-1030	ML2 National policies on Technology Integration in Education WNA	ML2 Designing AI – Enhanced STEM Learning Experience: CER MNG	ML2 Application of Curriculum Design and Instruction – DESMOS MNG	ML2 Application of Curriculum Design and Instruction – Sagemodeler WRP	ML2 Interprets National STEM and Digital Education Policy WNA	Free & Easy
1100-1300	ML2 Digital and AI Tools for STEM Curriculum Enhancement GBA	ML2 Designing AI – Enhanced STEM Learning Experience: CER MNG	ML2 Application of Curriculum Design and Instruction – GEOGEBRA WRP	ML2 Application of Technology in the classroom – Augmented Reality Switch	ML2 TIP	
1430-1630	ML2 Digital and AI Tools for STEM Curriculum Enhancement GBA	ML2 Assessment & Evidence of Learning in AI-Enhanced STEM WNA	ML2 Application of Curriculum Design and Instruction – CODAP WRP	ML2 Application of Technology in the classroom – Augmented Reality Switch	ML2 TIP WNA	
Week 3	Monday, 5 October	Tuesday, 6 October	Wednesday, 7 October	Thursday, 8 October	Friday, 9 October	Saturday, 10 October
0830-1030	SV Theory into Practice (5) Familiarisation of School try-out (School Visit)	ML2 Theory into Practice (3) Designing and Developing WNA	TBC Theory into Practice (7) School try-out WNA	ML2 Interprets National STEM and Digital Education Policy WNA	ML2 Outcome-based Learning Challenges in AI-Supported STEM Classrooms MNG	Individual Group Project Work Discussion (Self-Study)
1100-1300	ML2 Curriculum Mapping and Develop school-level STEM technology action plans. WNA	ML2 Theory into Practice (4) Designing and Developing WNA		ML2 Challenges of Integrating AI in Standard-based STEM Learning WRP	ML2 Challenges of Integrating AI – CASE STUDY WNA	
1430-1630	SL2 TIP – LP Development & Exploration of AI Tools WNA/GBA	ML2 Theory into Practice (6) Peer try-out ALL	TBC Theory into Practice (9) Reflection, debriefing and Discussion WNA/WRP	ML2 Competency Gaps in AI-Enabled STEM Education GBA	ML2 Group Presentation WNA	
Week 4	Monday, 12 October	Tuesday, 13 October	Wednesday, 14 October			
0830-1030	ML2 Theory into practice (10) Finalization of project work/ wrap up WNA	USM Institutional Activity VR Lab Visit WNA	Home Sweet Home	Note: Friday Classes: 08:00–10:00; 10:30–12:15; 14:45–16:45 Maths Lab 2 is the home room for Science Participants. The schedule is subject to amendment. The Blue Highlighted Box group will be combined with the Science group.		
1100-1300	SH Curriculum Innovation in Japan: Integrating STEM and AI into Science and Mathematics Education JICA	ML2 Post-Test & Course Evaluation				
1430-1630	MKS Adapt innovative STEM teaching to African policy and resource realities WNA/NEY	SH Certificate Presentation Ceremony & Cultural Show ALL				

Abbreviation:

AZJ	Dr Azman Jusoh	Centre Director, SEAMEO RECSAM	AAM	Mr Ahmad Adnan Mohd Shukri	Education Specialist (Science), T&R Division
RUO	Dr Rusmawati Othman	Deputy Director, T&R Division	GBA	Ms Gayatiri Balasubramaniam	Education Specialist (Mathematics), T&R Division
WNA	Dr Wan Noor Adzmin Mohd Sabri	Course Coordinator, Education Specialist (Mathematics)	MFZ	Mr Mohd Faizal Zainoldin	ICT Manager
WRP	Dr Warabhorn Preechaporn	Senior Education Specialist (Mathematics), T&R Division	SKM	Ms Shazmin Kithur Mohamed	Research Officer, T&R Division
SVR	Ms Sivaranjini Sinniah	Education Specialist (Science), T&R Division	SMU	Ms Shalaneeswary Muniandy	Programme Manager
NJA	Dr Nanthini Jayaram	Education Specialist (Science), T&R Division	TMO	Ms Tiana Mohamad	Programme Manager
MZJ	Dr Mohd Zaim Jaafar	Education Specialist (Science), T&R Division	MRZ	Mr Muhammad Ridhwan Zari	Science Lab Technical Assistant
VSU	Dr Vasugi Subramaniam	Education Specialist (Science), T&R Division	UKA	Ms Ummi Kalsum Abdul Aziz	Administrative Assistant, T&R Division

Venue: **SH** (SEAMEO Hall) | **ML2** (Maths Lab 2) | **MKS** (Makerspace)