



ISTIC
INTERNATIONAL SCIENCE, TECHNOLOGY AND
INNOVATION CENTRE FOR SOUTH-SOUTH
COOPERATION UNDER THE AUSPICES OF UNESCO



TRAINING WORKSHOP ON SCIENCE AND TECHNOLOGY DISCOVERIES ALONG THE SILK ROUTES

7 - 10 November 2023
Kuala Lumpur, Malaysia



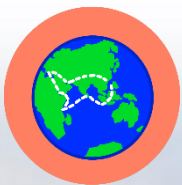
Background

Education plays a key role in producing the citizens for today and tomorrow with the required academic, social, and ethical values. Various subjects are introduced to ensure that students have the skills, attitudes and values to face the many challenges at the personal, national and global levels which include conflicts among humans. It is therefore conceived that promoting world peace and harmony should be promoted among students from a young age. It is based on the premise that by understanding and having good perceptions of different civilisations that contribute to present day knowledge, children will appreciate the need for and importance of living in peace and harmony. It is out of this need that the Fusion of Civilisations Education Curriculum is conceived. The curriculum highlights the discoveries and contributions of culture, trade, science and technology from various civilisations and their impacts on other civilisations through the land and oceanic silk routes. It will hopefully instil respect amongst the young and promote tolerance, understanding and respect for each other's culture and tradition.

The curriculum infuses both history and science and traces the travels of Ibn Battuta and Zheng He along the land and maritime silk roads respectively. A module is prepared with ready to use science and technology activities with a focus on inquiry – based science education (IBSE). Malaysia, through the Ministry of Education was involved in the preparation of the module in line with the principles of curriculum design and development. The approach used in the delivery of the lessons is based on IBSE, which is recognized as an effective delivery which makes science interesting, engaging the minds of the students, using techniques such as raising questions, collecting data, reasoning, reviewing evidence, drawing conclusions, discussing results whilst also developing language skills.

This is a project initiated by the Inter-Academy Partnership (IAP) which is a global network of science, engineering and medical academies working together to provide independent expert advice on scientific, technological and health issues. The global IAP Science Education Programmes (IAP SEP) focuses on promotion of inquiry-based science education (IBSE) which emphasises a hands-on approach to teaching and learning science especially for primary school children. ISTIC was an active contributor to the initiative and coordinated the project.

Objectives



To give exposure to participants of the role of the land and maritime silk routes and the science and technology discoveries along the silk routes



To enable participants to experience inquiry-based science education (IBSE) approach in the teaching of science in schools



To promote better understanding of the contributions and assimilation of various civilisations and to respect these

Date & Venue

Scan Here for Map!



7 - 10 November 2023



Sri Bestari Private School
Persiaran Margosa,
Bandar Sri Damansara,
52200 Kuala Lumpur



Participation

The training workshop will be conducted in English. It is free and open to teachers and education professionals. We anticipate the participation of around 20-25 attendees in the workshop.

Please apply via the online form <https://forms.gle/XjoRyDejoC49vWNZA>

Any inquiries please contact Programme Officer, Mr Azim,
email: azimnoor@istic-unesco.org or WhatsApp/Call: 013-9756120.

Facilitators

Dato' Dr. Sharifah Maimunah Syed Zin

Former Director of Curriculum Development Division, Ministry of Education

Mrs. Zainon Abdul Majid

Former Curriculum Developer for Science, Ministry of Education

Mrs. Salbiah Mohd Som

Former Senior Lecturer, Selangor Matriculation College

Mrs. Siti Aisyah Sahdan

Assistant Director, Curriculum Development Division, Ministry of Education

Mrs. Alice Kaling

Teacher and IBSE Trainer, SK Kopingan, Tuaran, Sabah

Secretariat

Professor ChM. Dr. Mohd Basyaruddin

Abdul Rahman, FASc, FRSC, FIAAM

Chair, ISTIC Governing Board

Mrs Tengku Sharizad Tengku Dahlan

Director, ISTIC

Mrs Zarmila Salmi Sabot

Administrative Officer

Mr Mohd Azim Noor

Programme Officer

Mr Hazman Al-Hafiz Hazal

Administrative Assistant

Dr Steven Baptist

Principal, Sri Bestari Private School

Mrs Rosnah Sulaiman

Special Programme Coordinator



DAY 1 – 7 NOVEMBER 2023 (TUESDAY)

0830 – 0900	Registration
0900 – 1000	Welcome Address by <i>Professor ChM. Dr. Mohd Basyaruddin Abdul Rahman, FASc, FRSC, FIAAM</i> Welcome Address by <i>Dr Steven Baptist, Principal of Sri Bestari Private School</i> Address by <i>Academician Dato' Ir. (Dr) Lee Yee Cheong FASc, former Chair of IAP-SEP Global Council</i> Opening Address by <i>Puan Hajah Nor'aidah Nordin, Deputy Director, Curriculum Development Division, Ministry of Education</i> Group photo
1000 – 1030	Tea Break
1030 – 1130	Introduction to OBOR Project, Module and Programme Briefing by <i>Dato' Dr Sharifah Maimunah Syed Zin</i>
1130 – 1300	Hands on Activity 1 – Maritime Silk Route (Windsocks) pg134 by <i>Mrs. Salbiah Mohd Som</i>
1300 – 1430	Lunch Break
1430 – 1600	Hands on Activity 2 – Maritime Silk Route (Water Clock) pg159 by <i>Mrs. Zainon Abdul Majid</i>
1600 – 1630	Tea Break
1630 – 1730	Hands on Activity 3 – Land Silk Route (Pillars) pg82 by <i>Mrs. Salbiah Mohd Som</i>
1730	End of Day 1

DAY 2 – 8 NOVEMBER 2023 (WEDNESDAY)

0830 – 0845	Registration
0845 – 1030	Hands on Activity 4 – Land Silk Route (Water Pump) pg52 by <i>Mrs. Alice Kaling</i>
1030 – 1100	Tea Break
1100 – 1300	Hands on Activity 5 – Land Silk Route (Windlass) pg25 by <i>Mrs. Salbiah Mohd Som</i>
1300 – 1430	Lunch Break
1430 – 1630	Hands on Activity 5 - Land Silk Route (Windlass) pg25 - con't by <i>Mrs. Salbiah Mohd Som</i>
1600 - 1630	Tea Break
1630 - 1730	Hands on Activity 6 - Land Silk Route (Oasis in the Desert) pg41 by <i>Mrs. Zainon Abd. Majid</i>
1730	End of Day 2

DAY 3 – 9 NOVEMBER 2023 (THURSDAY)

0830 – 0845	Registration
0845 – 0900	Review of Last 2 Days – Lead by Puan Rosnah
0900 – 1030	Hands on Activity 7 - Land Silk Route (Compass) pg124 by <i>Mrs. Siti Aisyah Sahdan</i>
1030 – 1100	Tea Break
1100 – 1300	Hands on Activity 8 - Land Silk Route (The Water Wheel) pg33 by <i>Mrs. Salbiah Mohd Som</i>
1300 – 1430	Lunch Break
1430 – 1600	Hands on Activity 9 - Maritime Silk Route (Junk) pg167 by <i>Mrs. Zainon Abdul Majid</i>
1600 - 1630	Tea Break
1630 – 1730	Hands on Activity 9 - Maritime Silk Route (Junk) pg167 – con't by <i>Mrs. Zainon Abdul Majid</i>
1730	End of Day 3

DAY 4 – 10 NOVEMBER 2023 (FRIDAY)

0830 – 0845	Registration
0845 – 0900	Review of Previous Day – Lead by Puan Rosnah
0900 – 1000	Assessment for Students <i>by Mrs. Salbiah Mohd Som</i>
1000 – 1030	Tea Break
1030 – 1130	Sharing of Experience Implementing IBSE <i>by Mrs. Alice Kaling</i>
1130 – 1200	Review of Workshop <i>by Dato' Dr Sharifah Maimunah Syed Zin</i>
1200 - 1230	Presentation of Certificate and Closing <i>by Mrs. Tengku Sharizad Tengku Dahlan</i>
1230	Lunch and End of Workshop

Organiser

INTERNATIONAL SCIENCE, TECHNOLOGY AND INNOVATION CENTRE (ISTIC)

The creation of the International Science, Technology and Innovation Centre for South-South Cooperation under the auspices of UNESCO (ISTIC) is a follow up of the Doha Plan of Action



ISTIC
INTERNATIONAL SCIENCE, TECHNOLOGY AND
INNOVATION CENTRE FOR SOUTH-SOUTH
COOPERATION UNDER THE AUSPICES OF UNESCO

which has been adopted by the head of States and Government of the Group of 77 and China, during the meeting in Doha, Qatar, from 12-16 June 2005 on the occasion of the Second South Summit of the Group of 77. The Summit urged UNESCO to develop and implement a programme for South-South Cooperation in Science and Technology with the objective of facilitating the integration of a developmental approach into national science, technology and innovation policies, capacity building in science and technology through providing policy advice and exchange of experience and best practices, and creating a problem solving network of Centres of Excellence in developing countries as well as supporting the exchange of students, researchers, scientists and technologists among developing countries. ISTIC will act as an international platform offering sustainable programmes and services in producing holistic talents towards institutional excellence and augmenting sustainable development for South-South Cooperation. Details of ISTIC are available at www.istic-unesco.org

SRI BESTARI PRIVATE SCHOOL

Sri Bestari Private School or 'Sekolah Sri Bestari' was established in December 1995, in response to the government's call to private agencies to fulfill their social obligations to society. Our strong desire to this call resulted in our school's humble beginning in a double storey shop lot in Bandar Sri Damansara. Today, besides the establishment of 'Education and Learning Support Academy' (ELSA) by Sri Bestari Private School to support autism, dyslexia and children with learning disabilities. Details of Sri Bestari Private Schools are available at <https://sribestari.edu.my/>



SRI BESTARI
PRIVATE SCHOOL



