



mc EduHub

Professional Development



Educators learn too. We're with you on your path to excellence.

At Marshall Cavendish Education (MCE), we believe that learning never stops - a teacher who grows professionally will succeed in inspiring and growing your students' learning abilities.

MCEduHub for Professional Development gives you access to a slew of online courses designed for educators to upskill and remain relevant in the EdTech space. The courses are designed in-house and with renowned educational partners such as Nanyang Technological University (NTU).

Powered by:



Educational Partner:



MCE Certified Courses

Designing Effective Online Lessons by NTU



Subject matter experts from the National Institute of Education (NIE) and the Teaching and Learning Pedagogy Division (TLPD) of the Nanyang Technological University (NTU) have collaboratively developed this course to help you gain insights into the principles of online teaching and learning.

This course will empower you to plan and design powerful online learning courses by leveraging key instructional and learning design principles.

At the end of the course, you will be able to:

- Understand the key principles in designing effective online learning courses.
- Leverage key instructional and learning design principles.
- Engage students in deep learning of the knowledge and skills for your specific discipline.



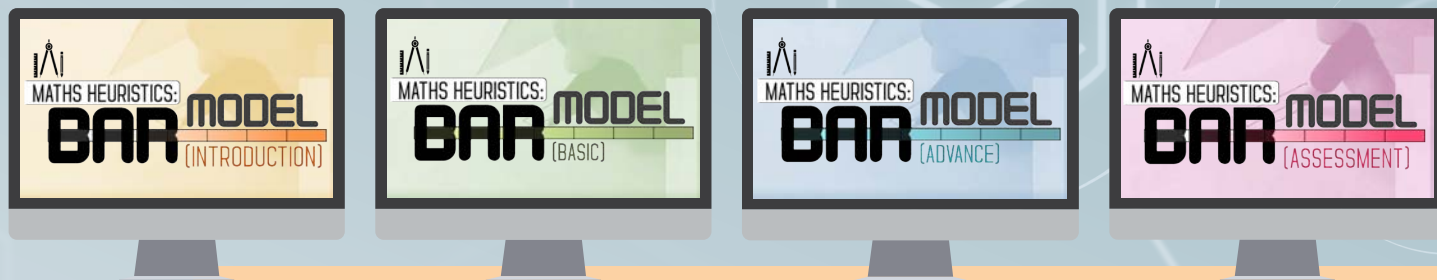
Assessment

Participants are required to complete assessments in this module to showcase their understanding of the course objectives. Upon completion of all the assessments, participants will receive an **eCertificate endorsed and sent by NTU.**

Duration

Approximately **2 hours 15 mins** is required to complete the course.

Maths Heuristics Bar Model by MCE



The Maths Heuristics Bar Model programme designed for educators consists of content knowledge and classroom practises for Mathematics educators teaching in Early Childhood institutions, Elementary/Primary schools to Middle-high/Secondary schools. Participants will learn to use the bar model method to solve word problems (arithmetic and algebraic problems) that include part-whole, comparison and change situations. Advanced techniques in the method are also included.

At the end of the course, you will be able to:

- Equipped with relevant content knowledge, innovative pedagogical knowledge and strong pedagogical-content knowledge.
- Gain greater confidence to teach the subject effectively.
- Learn strategies on teaching a topic and gain insights into the rationale behind such strategies.

There are 4 levels of courses to the programme:

Course Title	Learning Outcomes
Introduction: Maths Heuristics: Bar Model approx. 30 min	<ul style="list-style-type: none"> • Define the Bar Model method and its relationship with concrete objects. • Describe the three stages of representation underlining the Concrete-Pictorial-Abstract Approach, and its applications.
Basic: Maths Heuristics: Bar Model approx. 30 min	<ul style="list-style-type: none"> • Define the Part-whole model and describe its applications. • Define the Comparison model, list the two types of comparison models and describe its applications.
Advance: Maths Heuristics: Bar Model approx. 45 min	<ul style="list-style-type: none"> • Describe the difference between the Additive and the Multiple comparison models. • Define the Change model, its components, and its applications. • Identify word problems where subdividing bar model method is best applied. • Describe the steps to subdivide a bar model to solve complex word problems. • Describe the steps of advanced techniques such as dividing or shifting the bar to solve complex word problems.
Assessment: Maths Heuristics: Bar Model approx. 45 min	<ul style="list-style-type: none"> • Evaluate and measure the learning progress, skill acquisition, and educational needs of educators.

Maths Heuristics Bar Model by MCE



Assessment

Participants are required to complete assessments in this module to showcase their understanding of the course objectives. Upon completion of all the assessments, participants will receive an **e-Certificate endorsed by Marshall Cavendish Education (MCE)**.



Duration

Approximately **2.5 hours** for the full programme. To receive e-Certificate, participant will need to complete 100% of the asynchronous learning.

Creating an E-Learning Environment for Student-Centred Interaction



One of the biggest challenges for educators is finding ways to engage their students and sustain meaningful interaction in an online learning environment.

This course is designed to guide educators in understanding the importance of interaction in delivering online lessons, explore various teaching strategies and online tools to foster interaction, and ways to design a student-centered online learning experience.

Course will be conducted by Mr Jim Francis Tuscano, Project Consultant for SEAMEO Toolkit for Remote Teaching and Learning 2021 and Global Teacher Prize finalist Philippines 2017.

At the end of the course, you will be able to:

- Develop an understanding on the importance of interacting with students online.
- Explore and understand the different ways to engage and sustain student learning in an online learning environment.
- Learn how to apply their teaching experience and knowledge to facilitate an effective student-centered online learning environment.
- Design, develop, and evaluate student-centered online learning experiences that integrate 21st century teaching strategies and technology.



Assessment

Learners are required to use tools that include the use of the following tools and submit a digital portfolio for evaluation of competencies. Upon completion of all the assessments, participants will receive an **eCertificate endorsed by Marshall Cavendish Education (MCE)**.

1. Padlet or collaborative walls
2. Google Apps for collaborative works
3. FlipGrid for video reflections
4. Zoom for videoconferencing as part of synchronise learning

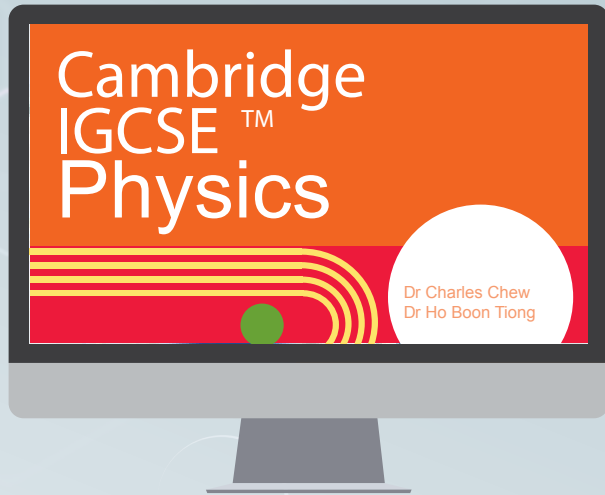
Duration

To complete the course, you will need to attend approximately:

1. **17.5 hours** of asynchronous learning.
2. **1 hours** of Live in-person of synchronous online session.
3. **62 hours** of Tasks (Individual and Group work).

MCE's Training Courses

Design and Enact Effective Inquiry-Based Cambridge IGCSE™ Physics Lesson



The programme comprises of two asynchronous and two synchronous online learning sessions, this course seeks to equip participants with the knowledge and skills to design and enact effective inquiry-based physics lessons in the classroom content.

Course will be conducted by renowned science educational experts, Dr. Charles Chew and Dr. Ho Boon Tiong.

At the end of the course, you will be able to:

- Understand the inquiry-based approach in the teaching and learning of science
- Know the core components and teacher resources of the MCE Cambridge IGCSE Physics Instructional Package
- Harness the MCE Cambridge IGCSE Physics Instructional Package to design and enact effective inquiry-based physics lessons in your school content

Assessment

Learners are required to submit their lesson plans that incorporate what they've learnt from the course. A peer review will be conducted.

Duration

To complete the course, you will need to attend approximately:

1. **12 hours** of asynchronous learning.
2. **2 hours** of Live in-person or synchronous online session.
3. **32 hours** of Tasks (Individual and Group work).

Course Details

Venue

This programme is conducted fully online on MCEduHub. Course materials will be made available in softcopy.

Fees

Register your interest with us and we will contact you soon.

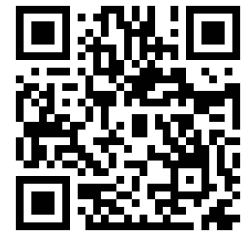


Prerequisites

Participants need to have:

- Adequate teaching experience
- Basic proficiency in English

[Sign Up Now](#)



About Marshall Cavendish Education

Marshall Cavendish Education (MCE) is a global education solutions provider dedicated to nurturing the joy of learning and preparing students for the future. We believe the best way to do so is by simplifying learning and listening to the needs of schools, teachers, students, and parents.

MCE makes world-class educational content more accessible through a seamless experience that integrates both print and digital resources. We provide holistic and end-to-end solutions customised to the school's requirements, with professional development to help educators implement the curriculum.

We've worked with ministries, policymakers, educators, and parents in over 85 countries, designing education solutions in 14 languages for Pre-K to 12. MCE is the only Asia-based publisher that is an endorsement partner of Cambridge Assessment International Education.

www.mceducation.com

