



創意思維

實踐解難

This course is under
DSEJ Continuing
Education Scheme
本課程已納入教育局
持續進修發展計劃

小學及中學 STEM 的教學方法 STEM Methodology for Primary and Secondary Teachers

課程簡介 Course Introduction

鑑於 STEM 教育發展迅速，中小學老師都著意找尋最佳教學方法。本課程借用澳洲昆士蘭 STEMPunks 教育機構過往 STEM 教學及在該省老師持續專業培訓經驗，提供一個給澳門老師交流機會。課程由 STEMPunks 教育機構資深講師 Mr. Damien Aldridge 作示範教學。

With the surge in STEM education, teachers in primary and secondary schools may be eager to find the best approach to teach the subject. This course focuses on teaching methodologies developed in Queensland, Australia for their students with experiences drawn by STEMPunks, a training organisation from their CPD training with Queensland teachers in STEM teaching. Macau teachers can be benefited from the exchange. Mr. Damien Aldridge, senior lecturer, is responsible for the program delivery.

教學目標 Objectives

- 以創意和創造力營造學習環境 Creating a Learning Environment for Innovation and Creativity
- 滲入 STEM 學習經驗的工具 Tools to Enable Immersive STEM Experiences

課程大綱 Course Outlines

- 設計及創意思維
Design and Creative Thinking
- 運算思維 與時並進
Computational Thinking, in pace with time.
- 系統思維 持續改善
Systems Thinking with continuous improvements

教學對象 Target Audience

對 STEM 教學法有興趣的現職或準老師及家長

In-service Teachers, Prospective Teachers or parents interested in this STEM Methodology

授課語言 Medium of Instruction

英語 (特別專用詞彙利用電腦軟件即時提供中文翻譯)

English (with immediate Chinese Translation of terms from computer software)

報名地點 Venue for Enrollment

澳門氹仔偉龍馬路澳門科技大學 O 座二樓持續教育學院

School of Continuing Studies, 2/F Block O, Macau University of Science and Technology, Avenida Wai Long, Taipa, Macau

上課地點 Venue for Class

澳門氹仔偉龍馬路澳門科技大學 (確實地點將於確認開課時以手機短訊通知)

Macau University of Science and Technology, Avenida Wai Long, Taipa, Macau

上課日期 Course Date & Time

課程編號 Course code : 1804270035-0	24 Aug 2018 (Fri) 09:30 - 12:30 & 14:00 - 17:00 & 25 Aug 2018 (Sat) 09:30 - 12:30	總課時 9 小時 Total 9 hours
------------------------------------	--	---------------------------

課程費用 Tuition Fee MOP 1,500

收生名額 Class Size 20 人

* 報名注意事項 Enrollment Notes *

報名時間：星期一至五(9:00 - 20:00)、星期六(9:00 - 13:00) [公眾假期除外]

Operation hours: Monday to Friday (9:00 – 20:00) ; Saturday (9:00 - 13:00) [Close at Public Holidays]

1. 首次報讀本院短期課程者，請先登入網上報名系統（網址：<https://scs.must.edu.mo/oasc/PersonalInfo.do>）或掃描以下的 QR Code，選擇 **<教育科學>** 類別，預先登記個人資料（不需上傳身份證），填妥資料後，帶備身份證正、副本及相片 1 張至本院辦理報名。

For those who enroll for our courses for the first time, please go to <https://scs.must.edu.mo/oasc/PersonalInfo.do> or scan the QR Code below, choose the category of **<Education>**, and input personal information (no need to upload ID copy). After registration online successfully, please come to our school to make payment. You should bring along with your ID card and copy, and a passport size photo.

2. 報讀者可以現金/本票或劃線支票（抬頭請寫“澳門科技大學持續教育學院”或“SCHOOL OF CONTINUING STUDIES MACAU UNIV. OF SCIENCE AND TECHNOLOGY”）繳付學費及材料費，**現金收費上限為澳門幣/港幣 5,000 元。**

Tuition fee and materials fee (if any) should be paid by cash or by cheque/Cashier Order (Please make payable to “SCHOOL OF CONTINUING STUDIES MACAU UNIV. OF SCIENCE AND TECHNOLOGY”). **Cash is accepted for payment of not more than MOP5,000.**

3. 所有費用一經繳交，恕不退還（本院取消開辦該課程除外）或轉讓。

All payment made is not refundable (except that the course is cancelled by the School) or transferable.

4. 如課程報名人數不足，本院保留課程取消或延期的權利。

The School reserves the right to cancel or postpone the courses if minimum class size is not reached.



查詢 Enquiries Tel: 8796 1998 Email: scs@must.edu.mo

Website: <http://www.must.edu.mo/scs/diploma-certificate-programs>

持續教育學院致力開拓終身學習機會，如欲收到本學院之課程資料，可發電郵至 scs@must.edu.mo，並提供閣下之電郵地址，標題主旨為“加入通知群組”。

The School of Continuing Studies develops life-long learning opportunities. Should you wish to receive information on our programs / courses, please send us an email (to scs@must.edu.mo) stating your email address in your email and “Join the mailing list” in the Subject line.

我們亦為機構/政府部門/學校等提供內部培訓，按各機構不同之要求(主題/時間/地點/對象)而訂定培訓內容。請與我們聯絡。

We also offer in-house training for corporations/Government Departments/schools, tailor-made with respect to your choices of topics, time, place, and group of attendees. Please contact us for more information.