



Centre for the
Advancement of Information
Technology in Education

資訊科技教育
促進中心

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Research and Development

Funded by the Education Bureau (EDB), Prof. Morris Jong, together with his research team, has developed the very first in-service teacher professional development Massive Open Online Course (MOOC) to aid primary and secondary school teachers to implement WebQuest. WebQuest is a learner-centric project-based learning approach for facilitating K–12 students to pursue collaborative inquiry learning on the Internet. This MOOC is composed of video-based lecture modules, formative assessment quizzes, virtual forums for teacher community

building, and summative assessment tasks. In the course, participants can select their own learning track by taking different lecture modules in accordance with their own grade of teaching and their own subject of teaching. After passing all formative assessment quizzes and completing all community-building and summative assessment tasks, each participant will be awarded an eCertificate, and six hours of continuing professional development by the EDB. To support the University's knowledge transfer initiative, coordinated by CINTEC (Centre for Innovation and Technology, Faculty of Engineering), we exhibited this project at the InnoCarnival 2014 held at the Hong Kong Science Park, as well as the International ICT Expo 2015 held at the Hong Kong Convention and Exhibition Centre.

New Publications and International Conference Presentations

- Jong, M. S. Y., Tsai, C. C., & Wang, T. (2015, April). *Implementation of constructivist online game-based learning at school: Teacher facilitation in the academically achieving classroom*. Paper presented at the annual meeting of American Educational Research Association, Chicago, IL, U.S.
- Li, S., Luk, E. T. H., & Jong, M. S. Y. (2014). Design of MOOC for in-service teacher professional development: A case of teachers' refresher training course in Hong Kong. In Y. T. Wu, T. Supnithi, T. Kojiri, C. C. Liu, H. Ogata, S. C. Kong, & A. Kashihara (Eds.), *The 22nd International Conference on Computers in Education: Workshop proceedings* (pp. 508–513). Nara, Japan: Asia-Pacific Society for Computers in Education.
- Shang, J. J., Jong, M. S. Y., & Chen, G. W. (2015). 學習科學：推動教育的深層變革 [Learning sciences: Promoting in-depth reform of education]. *China Educational Technology*, 1, 6–13. doi: 10.3969/j.issn.1006-9860.2015.01.002
- Tang, W. K. W., & Jong, M. S. Y. (2014). Information literacy skills of pre-service teachers: A case study. In C. C. Liu, H. Ogata, S. C. Kong, & A. Kashihara (Eds.), *The 22nd International Conference on Computers in Education: Main conference proceedings* (pp. 951–956). Nara, Japan: Asia-Pacific Society for Computers in Education.



CAITE's project, "Teacher Professional Development through MOOC", exhibited at the International ICT Expo 2015.