



Mathematics Through the Looking Glass:

Training Talks in Mathematical Critical Thinking using Games (2)

(MATT2212)

Introduction

The training series consists of two talks which will be held on **20 Oct** and **27 Oct** respectively.

The series is part of two global initiatives on American mathematics: The Celebration of Mind (www.celebrationofmind.org) and The Global Math Project (<https://www.theglobalmathproject.org>).

In the talks, students will learn mathematics through games and puzzles. Starting from very simple games, we will focus on teaching students with different abilities to appreciate the mathematics behind. Some of the games were invented by great minds such as Charles Dodgson (who wrote Alice in Wonderland under the pen name Lewis Carroll), American mathematicians Raymond Smullyan and Martin Gardner. We will also introduce several mathematical games adopted by the Julia Robinson Mathematics Festival (JRMF) in Hong Kong.

Students will be trained in Collaborative Problem Solving. They will also enjoy the fun of logic, algebra, advanced mathematics and learn how to apply relevant knowledge to computer science.

Participants will receive a Certificate of Completion after each talk issued by the City University of Hong Kong.

Programme Type

Mathematics Talk

Speaker

Dr. TAN Chee Wei
Associate Professor, Department of Computer Science, City University of Hong Kong

Dr TAN Chee Wei received the M.A. and Ph.D. degrees from Princeton University. He is the founder of the Algebra Game Project and the Director of the Julia Robinson Mathematics Festival in Hong Kong. His research interests include personalised learning technologies, computer science education and mathematics. Dr Tan's Erdős number is 3.

Target

Participants



- S1 – S3 HKAGE student members
- Class size: 40
- * *First-come, first-served*

Language



English with English handout

Application Deadline

23 October 2017

Schedule



Date	27 October 2017 (Friday)
Time	5:30 pm to 7:00 pm (Please arrive at 5:15 pm for registration)
Venue	Room B5-209, City University of Hong Kong

Enquiries



For enquiries, please contact us at 3940 0102 or 3940 0189.