

MATHEMATICS AND GAMES:

CRITICAL THINKING
AND PROBLEM-SOLVING

26 April 2019 | 4.00pm – 7.00pm

27 April 2019 | 9.00am – 12.00nn

To learn and appreciate advanced mathematics using mathematical games and puzzles.

COURSE INFO



TARGET STUDENTS

S1–S4 students who are also Hong Kong Academy for Gifted Education members.



WHAT WILL THE STUDENTS LEARN

Basic binary number system; compute arithmetic expressions; analysis of mathematical games and puzzles to develop solution strategies; creation of mathematical games in software.



WHAT WILL THE STUDENTS DO

Students have to join both sessions to explore winning strategies in different games.



PRE-REQUISITE REQUIREMENTS

No



MEDIUM OF INSTRUCTION

English



ASSESSMENT

Written aptitude assessment – students will be tested on the subject matter covered in the workshop and graded using software in mobile apps.



香港城市大學
City University of Hong Kong



REGISTRATION

HOW TO APPLY



COURSE FEE

Free

APPLICATION DEADLINE

11 March 2019

Enquiry:

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outreach@cityu.edu.hk | 3442-8922

Offering unit:

Department of Computer Science, CityU



Hong Kong Academy
for Gifted Education



“Talents, Aspiration and
Excellence” (TAE)
Programme of CityU