



Cryptography & Mathematics Middle-Grade Afterschool Project

Summer Leader-Training Workshop University of Chicago

June 26 -28 2018

Teachers and afterschool leaders: Learn to be a CryptoClub leader! Cryptography, the science of secret messages, is an intriguing STEM topic and an important application of mathematics. Leaders need not be mathematics teachers – just enthusiastic about math.

About CryptoClub: A typical CryptoClub program lasts about 16-20 sessions and uses games, treasure hunts, and other informal activities to engage students in cryptography and mathematics. It applies topics from the middle school curriculum, such as decimals and percents, division with remainder, common factors, negative numbers and pattern recognition. It also includes computer cryptography games and other activities from the CryptoClub website.

At the workshop: The workshop provides background in the mathematics and cryptography content and gives leaders a chance to experience CryptoClub games and activities while discussing pedagogical issues of leading a program. No prior cryptography experience

Cost: The cost for the workshop series is \$100 which includes meals and the CryptoClub Cipher Handbook with Leader Manual. Note: The cost to implement a CryptoClub curriculum typically includes \$12 per student book.

Priority: Priority will be given to those who commit to leading a CryptoClub during the 2018-2019 school year.

For more information go to cryptoclubproject.uchicago.edu

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