Cryptography & Mathematics Middle-Grade Afterschool Project

Summer Leader-Training Workshop
University of Illinois at Chicago
June 25–27, 2015

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. No prior cryptography experience required.

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 will provide background in the mathematics and cryptography content and give leaders a chance to experience CryptoClub games and activities while discussing pedagogical issues of leading a program.

There is a $50 registration fee. For more information and an application go to:

www.math.uic.edu/CryptoClubProject

For information about the workshops contact Debra Levine at dlevin6@uic.edu or phone 312 355-1183
For information about the CryptoClub Project contact Janet Beissinger (beissing@uic.edu) or Bonnie Saunders (saunders@uic.edu).

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