

Café Scientifique Headingley

Monday 14th October 2019 at 7:30pm

A whistle-stop tour of the history of code breaking

by Katie Chicot



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Outline:

Starting with simple substitution codes such as the Caesar cipher (as used by Julius himself) and the 'pigpen' cipher. Then moving through the Second World War and Enigma up to contemporary internet codes. We will make and break codes and see how mathematics underpins all aspects of the coding arms race.

Katie Chicot is CEO of MathsWorldUK and Senior Lecturer Staff tutor in Mathematics and Statistics at the Open University.

"I am passionate about the MathsWorldUK project to create the UK's first Mathematics Discovery Centre. Tackling mathematical problems and encouraging others to engage with mathematical investigations are the cornerstones of my work.

I have used all sorts of means of communicating mathematics, including co-creating the series Patterns of life for the Open University's YouTube channel, captaining the OU's team on BBC2's Beat the Brain, participating in Facebook events and, more seriously, as academic consultant to BBC Radio 4's More or Less.

My most recent venture is the creation of a maths/brain teaser app called Perplex, which is available on the App Store and Google Play. This was collaboration with the UKMT, with whom I have worked for many years."

Venue: The New Headingley Club, 56 St Michael's Rd., Leeds LS6 3BG

Time: Club opens at 7:00pm for drinks & the room at 7:30; talk begins promptly at 7:45pm

Entry: Donation please for room hire and expenses: **£3 at the door**



Café Scientifique Headingley is a programme run under the auspices of the Headingley Development Trust www.headingleydevelopmenttrust.org.uk