



# Liverpool Mathematical Society Popular Lectures, Autumn Term 2016

**NEW VENUE (same date):-**



Thursday 10th November 2016

5.30pm -6.30pm

Lecture Theatre 2, Redmonds Building,  
Liverpool John Moores University,  
Brownlow Hill, L3 5UG

**LISA COLLINS**

a member of Maths Inspiration, will talk on

## **Maths, Pigs, Chickens and Criminals**

The talk is suitable for all from Year 11 up, and teachers

Maths can tell us a lot about the world around us, but surely it doesn't have a lot to say about feelings? In this talk, Lisa will explore a wonderland of behaviours that are hidden to the human eye, but not to an algorithm. Find out how Markov chains, agent-based models and fractal analysis, typically used to describe swirling galaxies, a rugged coastline or the detail of a snowflake can help to understand complicated and bizarre behaviours and the feelings of the animals performing them.



Free entry to all students and members of the Liverpool Mathematical Society. Others pay a £4 charge at the door. No tickets are required.

Any late changes will be posted on the LivMS webpage

<http://www.livmathssoc.org.uk>