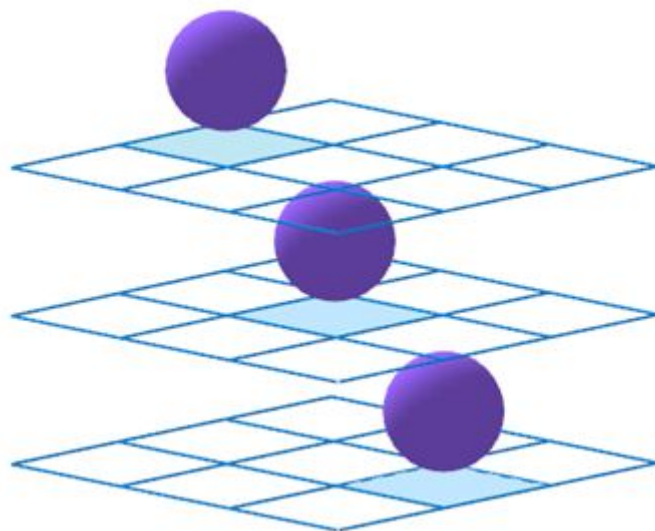# The NRICH Maths Roadshow is coming!

A day of puzzles, games and hands-on activities to train your creative mathematical brain.

The NRICH Roadshow will be here on:

Marbles in a Box

Imagine a three dimensional version of noughts and crosses where two players take it in turn to place different coloured marbles in a box.

The box is made from 27 transparent unit cubes arranged in a 3-by-3 array.

The object of the game is to complete as many winning lines of three marbles as possible.

How many different winning lines can you make?

UNIVERSITY OF CAMBRIDGE