Sneaky Catalan Numbers

Take a circle and draw 6 dots around its circumference. Connect three pairs of dots with chords so that no chords intersect. How many ways are there to do this? Suppose candidate A and candidate B each receive 3 votes. How many ways are there to count the votes so that candidate A is never ahead? The answer to both of these questions involve the amazing Catalan Numbers, which appear secretly in many applications involving counting. We will investigate these and other applications!

Come join us virtually at the:

EVANSTON MATH CIRCLE
Saturday, October 30, 11-12:30

The session will be held live via Zoom. A link to the meeting will be sent out to those on our email list the morning of the event.

Math Circle is geared towards eager middle-school students, but students of other ages and backgrounds are welcome as well. More information is available at http://www.math.northwestern.edu/~scanez/mathcircle/