

# Undergraduate Mathematics Seminar

Department of Mathematics, Fall 2020



## The Surprising Properties of the Humble Triangle

**Ed Southall**

Maths Lecturer, Huddersfield University

**Date:** Tuesday, October 20

**Time:** 9:00 - 9:50 am EDT

**Location:** Zoom, ID: 935 1032 7072

Ed Southall is a mathematics lecturer and trainer of mathematics teachers. He has worked in mathematics education for over 15 years and has written four mathematics books including the UK bestseller "Yes, But Why? Teaching For Understanding in Mathematics". Ed is a popular presence on social media and tweets as @edsouthall to tens of thousands of maths enthusiasts across the globe. He is currently in the final stages of completing a PhD focusing on teacher agency when utilising prescribed mathematics resources and texts for students aged between 6 and 10 years old.



An investigation into the humble trigon, including unique triangles with curious properties that yield surprising results and curious patterns. The three-pointed heroes of geometry have a lot to offer but are often overlooked and ignored without realising the marvels that lie within. From the etymology surrounding our geometrical friend, through to a number of not-famous-enough triangles and theorems associated with them, we'll slowly come to the inarguable conclusion that triangles could, in essence, beat all other shapes in a geometrical fight.

**SPEAKER(S) FOR NEXT WEEK:**

Dr. Pamela Delgado



**Organized by:** Derek Orr, Tom Everest, Jeremiah Morgan, and Jeff Wheeler