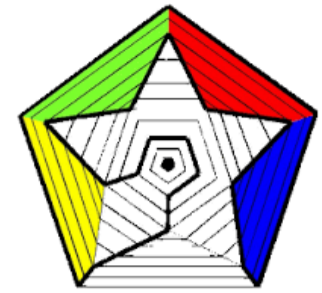


# CMA Wednesday Workshop

11<sup>th</sup> March 2020

4.00 – 6.00pm

Hedley Beare Centre for Teaching and Learning



## Chris Wetherell: Area

### (and how to use it to teach the entire curriculum)

Well, maybe teaching the entire curriculum is the slightest exaggeration, but there are connections everywhere in mathematics, so it should not be surprising that an idea as fundamental as area should find natural links with such diverse topics as fractions, algebra, probability, statistics and calculus. Of course, all of these topics can be applied to solve various problems involving area, but in this workshop we will mainly be interested in the reverse process of harnessing an intuitive grasp of area to help develop a deeper understanding of key concepts in other parts of the curriculum. Along the way, we will also discover how Archimedes was able to use fundamental ideas from modern-day fractal geometry to calculate the area under a parabola around two thousands years before the development of calculus.

**Chris Wetherell** is a secondary school mathematics teacher working with the Australian Maths Trust, developing resources for Years 3 to 12 with the ultimate aim of promoting a love of mathematical problem solving. He is also in his 11th year teaching the ANU Extension H-course in Specialist Mathematics.

**Cost:** - free to CMA members; \$20 for non-members; afternoon tea provided

**Register** – contact [canberramaths@gmail.com](mailto:canberramaths@gmail.com) to register for this workshop

