



In 2023, a new shape was discovered: **the Spectre**. It's the first shape ever found which can **only make aperiodic tilings**: patterns which never repeat, no matter how many tiles you use.

## LET'S MAKE A HUGE TILING!

This summer, we're planning to go to the beach at Whitley Bay for a weekend, and try to make **the largest aperiodic tiling ever!** As the tide goes out, we'll use large "cookie cutter" tools in the shape of the Spectre to cover the beach with an aperiodic pattern. And at the end of the day, the tide will wash it all away!



## HOW CAN I GET INVOLVED?

We'll need lots of help to complete our giant tiling - come along and talk to mathematicians about the maths behind it, play with different kinds of tiles, and help stamp shapes into the sand until we cover the whole beach!

Whitley Bay beach (South end)  
6-7 June 2026, 10am-4pm

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