

# FROM TINY RIPPLES TO GREAT WAVES

We tell the story of a wave's journey in this four-part illustration series.

## THE OCEAN IS ALWAYS ALIVE



Our wave is born from ocean wind, beginning life thousands of kilometres away from the coast. The water surface is pressed up by the wind, then falls back, forming a circular motion that rolls forward.

[Woods Hole Oceanographic Institution #WHOI](#) describe the origin of ocean waves here: [bit.ly/3ITACcv](https://bit.ly/3ITACcv)

## NIGHT AND DAY, OUR WAVE ROLLS ACROSS THE OCEAN

Pushed forward by the wind the power of the wave begins to rise. The wave becomes longer and deeper as it grows, transmitting energy across the sea.

Kraaiennest/Wikimedia reveal our wave's next step in its journey at [bit.ly/3iFcL5F](https://bit.ly/3iFcL5F)



# HOW OUR WAVE EVENTUALLY REACHES THE COAST



The bottom of the wave feels the seabed's influence, rises to break, and pushes towards the shore.

Tom Shand and [UNSW Water Research Laboratory](#) cleverly film a breaking wave under laboratory conditions which explains visually about this part of our wave's journey: [bit.ly/3XylwMn](https://bit.ly/3XylwMn)

## OUR WAVE ROLLS ONTO THE BEACH

Masses of water surge back and forth making it fun to surf and swim. But remember to stay safe in those powerful waves!

The team at [Surf Life Saving Australia](#) explain more about our wave's flow and movement at the beach: [bit.ly/3HQm4b8](https://bit.ly/3HQm4b8)

