

Essential vocabulary

Tsunami	A giant wave caused by an underwater volcano or an underwater earthquake (seaquake).
Magnitude	The great size of something.
Epicentre	The point on the earth's surface that is directly above where an earthquake takes place.
Fault	A crack in the earth's crust where movement of tectonic plates have occurred.
Surge	Intensive wavelike movement
Trough	The lowest part of the wave.
Crest	The highest point of the wave.
Seismograph	An instrument that records direction, intensity, and duration of earthquakes.
Aftershock	Lesser shock after the main shock of an earthquake.



Bridging backwards:
Year 4 – Mountains

<i>Question</i>	<i>Essential Knowledge</i>
What does the word tsunami mean?	Tsunami is a Japanese word meaning 'Harbour Wave'.
How are tsunamis formed?	People often refer to a tsunami as a 'tidal wave' but this is a misconception as it is not caused by tidal movements.
Is the first wave of a tsunami always the biggest?	The first wave of a tsunami may not be the biggest. There may be bigger and stronger waves to come.
Does a tsunami always travel towards land?	A Tsunami wave may retreat (move away from the coast) before it hits the coast.
What is the tallest tsunami on record?	The tallest recorded tsunami occurred in Lituya, Bay Alaska and measured 524m high (1720 feet).
How many people can tsunamis kill?	The 2004 Boxing Day Tsunami in Indonesia was one the deadliest in recorded history. It killed 230,000 people in a few hours.



Bridging forwards:
Year 6 – Rivers.

What are the causes and effects of Tsunamis?

Skills

What is a Tsunami?

Begin to suggest questions for investigating

Where are Tsunamis more likely to occur?

Begin to use 4 figure coordinates to locate features on a map.

Begin to use atlases to find out about other features of places. (e.g. ring of fire)

Can a Tsunami be predicted?

Measure straight line distance on a plan.

Find/recognise places on maps of different scales.

Identify significant places and environments

Use index and contents page within atlases.

Use medium scale land ranger OS maps.

Knowledge

Understand what a Tsunami is and how it occurs.

Know the steps of the formation of a Tsunami.

Locate Tsunami 'hotspots' on a world map and explain why.

Recognise the aftermath of a Tsunami and understand what preventions are in place.

Know about recent and historic Tsunamis.