

# Artemis I's unusual Earth re-entry

Artemis I's Orion vehicle is set to skip like a stone across Earth's atmosphere during re-entry – a technique never before attempted by a passenger spacecraft

## ORION CAPSULE:

Mass: 8.5 tonnes

Diameter: 5m

Crew: 2-6

(Artemis I mission unmaned)

Re-entry velocity:  
32,000km/h

**Heat shield:**  
Must withstand **2,700°C** heat of re-entry

## EARTH RE-ENTRY METHODS

