Follow a ground-breaking 45-day expedition to the Weddell Sea, Antarctica with your class from January 2019 to see what discoveries the expedition researchers make.

Discover why the Weddell Sea is such an extreme environment

Aims of the expedition

- Undertake a major scientific research programme to study the Larsen C Ice Shelf
- Survey the rich marine life of the western Weddell Sea ecosystem
- Attempt to locate and survey the historic wreck of Sir Ernest Shackleton's ship Endurance
- Discover more about the Weddell Sea and the expedition’s work through videos from its members, online animations and classroom resources
- To follow the expedition, visit www.weddellseaexpedition.org/ and for educational resources visit www.rgs.org/wse

Search for Sir Ernest Shackleton’s Endurance wreck

- Measure the baseline temperature, salinity and chemistry conditions in the Weddell Sea
- Map seafloor morphology (GIS) and determine the shallow stratigraphy beneath floating ice shelves
- Learn more about global ocean circulation
- Discover more about the Weddell Sea and the expedition’s work through videos from its members, online animations and classroom resources
- To follow the expedition, visit www.weddellseaexpedition.org/ and for educational resources visit www.rgs.org/wse

Weddell Sea Facts

- Named after a Scottish sailor, James Weddell
- It is 2.8 million km² in size
- The Weddell Sea is one of the hardest places in the world to get to because it is covered in sea ice
- Weddell seals are impressive divers, they can reach 600m depth and spend as long as 82 minutes underwater
- The Adélie penguin is the most numerous species of penguin
- Weddell seals live farther south than any other mammal

Discover how state of the art technology can access newly exposed water filled cavities beneath the Larsen C ice shelf

- Sediment Corer
- ROVs Remotely Operated Vehicle
- AUVs Autonomous Underwater Vehicle

The Weddell Sea Expedition is funded by the Flotilla Foundation. The Scott Polar Research Institute, University of Cambridge, leads the pioneering science programme, in partnership with The Nekton Oxford Deep Ocean Research Institute, and a team of international researchers from South Africa and New Zealand. The RGS-IBG is the expedition education partner in the UK.