

Undertake a

major scientific research

programme to

study the Larsen C Ice Shelf

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 expedition

Royal Geographical **Society**

with IBG

Advancing geography and geographical learning

- 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 Adélie penguin is the most numerous species of penguin

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

marine life of the western Weddell Sea ecosystem

Survey the rich

Attempt to locate and survey the historic wreck of Sir Ernest Shackleton's ship **Endurance**

Ice sheet

Sea level

Ice flow

Discover

why the Weddell Sea is such an extreme environment

> **Aerial** Drone

Ice shelf

ROVs

Remotely

Operated

Aims

of the

Icebergs **Explore**

S. A. AGULHAS II

what lies beneath the ice shelf and on the sea bed using state of the art technology

Sediment Corer

- · Learn about where the Weddell Sea is and why it is so important
- Monitor a newly exposed ecosystem around the Larsen C ice shelf
- Learn how the equipment can photograph, record and collect samples from above and beneath the ice

Search

for Sir Ernest Shackleton's Endurance wreck

 Search for Sir Ernest Shackleton's expedition ship Endurance which was crushed by ice and lost in 3,000m deep water a century ago

Weddell seals live farther south than any

other mammal © Pete Bucktrout,

British Antarctic

'Frank Wild looks on at the wreck of the Endurance' Photograph by Frank Hurley © Royal Geographical Society (with IBG)



Flotilla FOUNDATION

Sea bed

Ocean water



