

### Endurance22— Careers on a Polar Research Vessel

Welcome to the Endurance22 Expedition to Antarctica. Reach the World has designed a journey outline with linked articles and sample activities to guide you. This itinerary is designed to be followed at your own pace. Use this suggested itinerary and take your students on a virtual exchange expedition they'll never forget!

Want more related learning resources? [Feel free to use any of Reach the World's activities!](#)  
Questions? Please contact [educators@reachtheworld.org](mailto:educators@reachtheworld.org).

#### Week #1: Endurance22: A Historic Expedition

1. Journal: [An Expedition 100+ Years in the Making](#)
  - o Recommended Activity:
    - i. [Design Your Own Expedition Flag](#)

#### Week #2: Introduction to Endurance

1. Livestream: [Pack Your Bags](#) (41 mins)— The Endurance22 Expedition is just days away from departure for the Weddell Sea. What is RTW explorer Tim Jacob packing for a multi-week Antarctic expedition? Let's ask him!
  - o Recommended Activities:
    - i. [Pack Your Bags](#) (Elementary)
    - ii. [Pack Your Bags](#) (Middle School/High School)

#### Week #3: Providing Food for the S.A. Agulhas II

1. Field Note: [Everybody Loves Mealtime on a Ship](#)
2. Recorded Livestream: [Mealtime on the S.A. Agulhas II with Chef Kurt Daniels](#) (54 mins)— Tim speaks to S.A. Agulhas II's Chef, Kurt Daniels, about how he prepares meals for the Endurance22 Expedition.
  - o Recommended Activities:
    - i. [Lunch on a Ship](#) (Elementary/Middle School)
    - ii. [Careers in Math](#) (Middle/High School)

#### Week #4: Providing Water for the S.A. Agulhas II

1. Recorded Livestream: [Keeping the S.A. Agulhas II Running with Second Engineer Mark O'Reilly](#) (53 mins)— Tim speaks to Mark O'Reilly, 2nd Engineer aboard the S.A. Agulhas II, to learn how he keeps the ship running.
  - o Recommended Activity:
    - i. [Exploration Design Project Worksheet](#) (Week One: Begin the project by completing Page One- 'Design Your Own Adventure')

### **Week #5: Running the S.A. Agulhas II**

1. Recorded Livestream: [Meet the Captain!](#) (46 mins)— Tim joins Captain Knowledge Bengu live from the ship's bridge in the Weddell Sea and learns what it takes to command one of the most advanced polar exploration vessels in the world!
  - Recommended Activities:
    - i. [Exploration Design Project Worksheet](#) (Week Two: Continue to Page Two- 'Planning Your Expedition')
    - ii. [Jobs on a Ship: Adventure on the High Seas](#) (High School)

### **Week #6: Navigating Weather**

1. Recorded Livestream: [Live from Endurance22 with Carla Ramjukadh and Marc De Vos of the South African Weather Service](#) (47 mins)— Tim joins Carla Ramjukadh and Marc De Vos from the South African Weather Service office aboard the ship, where they monitor the unpredictable weather conditions of the Weddell Sea!
  - Recommended Activities:
    - i. [Exploration Design Project Worksheet](#) (Week Three: Present Your Project!)
    - ii. [Environments Around Us](#)

### **Week #7: Finding Endurance**

1. Recorded Livestream: [Discovering Sir Ernest Shackleton's Endurance](#) (58 mins)— Over a century after Sir Ernest Shackleton's ship sank, the Endurance22 crew found Endurance at a depth of 9,869 feet in the Weddell Sea. Watch Tim speaking with Endurance22 Director of Exploration Mensun Bound and AUV Supervisor Chad Bonin about sub-sea robotics and their search for Sir Ernest Shackleton's sunken Endurance.
  - Recommended Activities:
    - i. [Why Was Endurance So Difficult to Find?](#) (Elementary/Middle School Social Studies)
    - ii. [Discover Endurance, Using Math](#) (High School) with [Educator Resource](#)

### **Week #8: Reflections on a Historic Expedition**

1. Journal: [Farewell to the S.A. Agulhas II](#)
  - Recommended Activities:
    - i. [Endurance Ship Diagram](#) with [Educator Resource](#)
    - ii. Share your feedback with us: [E22 Survey](#)
    - iii. Watch crew and expedition member reactions and have students share their own [here](#)

OPTIONAL: Live Video Conference with Reach the World Explorer Tim Jacob

Would you like to schedule a live video conference between your students and Tim? Video conferences are optional and subject to classroom and explorer availability. Reach the World strongly recommends that classrooms review most expedition articles prior to scheduling a video conference.

Interested? Please e-mail [educators@reachtheworld.org](mailto:educators@reachtheworld.org) and Reach the World staff will get in touch with further information.