



Buoyancy and Boats- Program Highlights

Grade: 2 Length: 2 hrs Number of volunteers requested: 3-4 Student Booklet: Optional

Please refer to www.tpet.ca for a complete list of SLE's covered in this field trip!

Activities:

Whole group introduction: A Pirate's Life!

- Ahoy, Mateys! Think yee have what it takes to be a pirate?
- Theme based story and introduction to boat building.



Station 1: Floating & Sinking Treasure

Volunteer English Language Proficiency: ★

- Predict and test **floating/sinking** treasures
- Students also learn about **neutral buoyancy** through a fun "message in a bottle" experiment.

Station 2: Polly the Parrot & the Plasticine Boats

Volunteer English Language Proficiency: ★★

- Help Polly **make a boat** to get him off the deserted island. How much treasure can your boat hold?
- Students also learn the importance of a keel as they **help Polly repair his sideways ship**.

Station 3: Cargo Boats

Volunteer English Language Proficiency: ★★★

- Students learn about **open hulled boats, cargo boats, canoes and catamarans**. They **test each boat** to find out which boat is best for moving treasure.
- A model boat is examined and students **identify its various parts** (sail, hull, mast, etc.)

Station 4: Hull Shapes & Boat Building- present

Presenter runs this station

- Become the Pirate Captain of your very own ship! Learn about hull shapes and **build a paddle boat** that you can keep (and sail in the bathtub!)

Closing activity: Review Your Pirate Wisdom!

