

# EDIBLE MODEL OF DECEPTION ISLAND

## Background information:

Deception Island is a volcanic island near the tip of the Antarctic peninsula. It was named for its shape. Although it is actually a ring shape (as seen from the air) the entrance is very hard to find. Unless you know the island's secret, it appears to be just a regular island. Many ships sailed right past it, not realizing that if you can find the narrow entrance it will lead you to a lake that is sheltered from the battering Antarctic winds. Once it was discovered, the safe harbor inside Deception Island became the destination of many whaling ships. Several countries set up whaling stations in the early 1900s.

You can learn more about the history of the island by accessing the Antarctica playlist at [YouTube.com/TheBasementWorkshop](https://www.youtube.com/TheBasementWorkshop), or just using "Deception Island Antarctica" as your key words in any Internet or online video search engine.

## You will need:

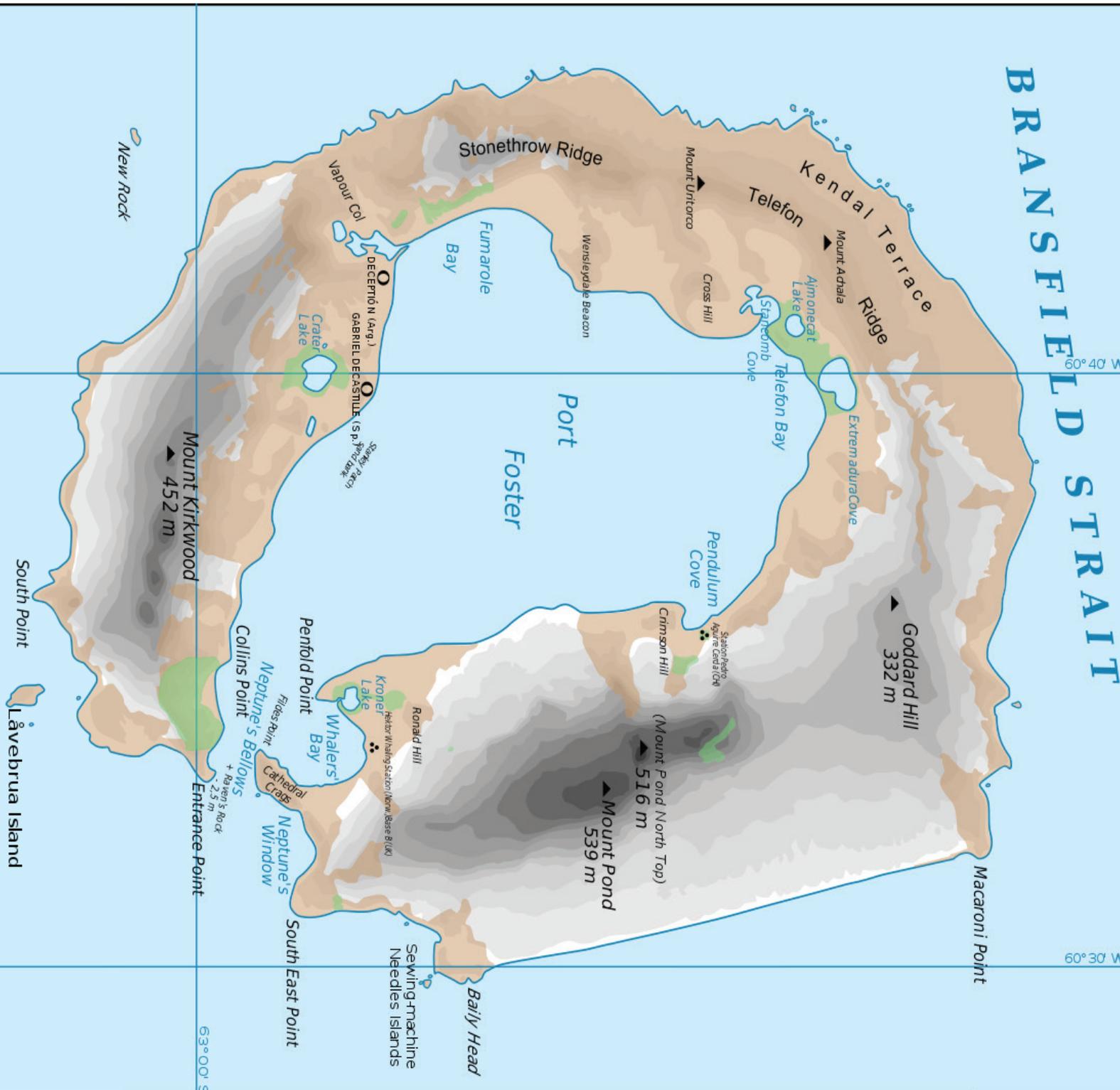
- copies of the map page provided (2 students can share a map)
- chocolate cookie dough (can use gluten free recipe if needed)
- foil
- white icing
- small cups for icing if doing project with a group
- knife or coffee stir stick for spreading icing
- permanent marker if working with a group (Put names on foil.)
- paper plates and gallon-size baggies if sending projects home

## What to do:

- 1) Use your favorite "sugar cookie" recipe for the dough, but don't put in any baking powder or baking soda. Omitting the leavening agent will help the island to maintain its shape while baking. You don't want the island coming out of the oven in an unrecognizable form! You can make the dough low-sugar or gluten-free or whatever suits you. The dough shown here is chocolate, intended to simulate the dark volcanic rock the island is made of.
- 2) Each student will work on a piece of foil that can easily be transferred to a baking tray. The students will appreciate a little help with getting the overall shape of the island right. You can make an extra copy of this map and glue it to a piece of thin cardboard. Cut out the island shape and then place it under the foil. Rub the top of the foil, pressing down on the island shape underneath. This will leave a distinct outline in the foil. You can use the same cardboard pattern over and over again, so you only need to make one, even for a class. If you are doing this in a class, make sure they put their name on their foil with a permanent marker.
- 3) Hand out the maps. (You only need enough so that every student can see one. They don't need their own map.) Have them look at the map before you hand out the dough. Tell them to look at the altitude scale and see how the shades of gray show you where the hills are and tell you how high they are. The darkest areas are highest.
- 4) Give the students a fist-sized lump of dough. Have them work 10-15 minutes sculpting a model of the island. You may want to look over their shoulders and help them to see any details they are missing. If you watched some videos, you may recognize "Whaler's Bay." And look how straight that one side is. It looks like the edge of an ice sheet.
- 5) Bake the islands at 375 F for about 10 minutes, or until they look done. They won't take long!
- 6) After they are cool, give each student a small cup of white icing. The icing will represent snow. Put the snow on the white parts shown on the map. The tan areas represent parts of the island where the snow melts off during the summer. The white areas have snow all year.
- 7) Optional: You can add other tiny details for students who like detail. Sprinkles are about the right size for boats or for buildings. You can make them stick using a tiny dot of icing.
- 8) To send the cookies home, put foil onto a paper plate and slide the plate into a gallon-size baggie.



# BRANSFIELD STRAIT



## Deception Island

### Legend:

- Ice-free
- Summer Station
- ASPA
- Peak
- Breaker
- Ruins

