

# Earth suit

## Overview:

Dress up as Planet Earth and engage audiences with environmental science as they investigate the Earth's surface, wear the polar cap and find out where Autosub Long range, FAAM and other NERC research vessels are working.

## Programme use:

To engage audiences by becoming planet earth.

## What is included with the suit?

The suit is made up of 4 main parts:

- An inner northern hemisphere containing 4 hoops and 2 shoulder pads
- An inner southern hemisphere containing 1 hoop
- An outer printed layer showing the map
- A northern polar cap

In addition to this there are 4 magnetic soft toys including:

- Autosub Long Range (Boaty McBoatface)
- RRS Sir David Attenborough
- The FAAM aircraft
- An Earth observation satellite.



## How to set up the suit:

The suit can be set up by one person however, it is easier and quicker if two people are available.

- 1.** Inside the northern hemisphere are a series of velcro tabs. Using these tabs, secure each of the 4 hoops in place. The smallest and strongest hoop is used near the neck of the hemisphere to support the weight of the suit on the shoulders.
- 2.** Attach the shoulder pad using the pads velcro tabs to the small hoop ensuring that they are in line with the two hand slots in the northern hemisphere.
- 3.** Attach the remaining small hoop to the southern hemisphere using the velcro tabs.
- 4.** Zip the northern and southern hemisphere together.
- 5.** Climb into the suit through the base of the southern hemisphere and rest the suit shoulder pads on your shoulders. Your head should come out of the northern hemisphere.

**6.** Put your hands through the hand holes and ask your colleague to place the outer printed layer onto the suit with the large zip at the rear.

**7.** Ensure the hand slots of the inner layer and the neck line matches the outer layer then zip the outer layer together.

**8.** Ask your colleague to place the polar cap on the costume wearer's head.

**9.** The soft toys can be fixed onto the suit with the magnets provided.

### How to remove and store the suit between use:

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If the suit is going to be used regularly and you wish to keep the suit together, follow these instructions:

- 1.** Remove the polar cap.
- 2.** With the help of a colleague lift the entire suit off over your head.
- 3.** Place the suit in the protective cover provided and store in a safe location.
- 4.** To use the suit again, ask a colleague to help place the suit over the wearer's head and support the suit until the wearer is happy to hold the weight of the suit.

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If you are storing the suit for longer periods of time, the suit can be dismantled and stored in the provided box and bag.

- 1.** Unzip the outer layer, fold carefully and store in the box.
- 2.** Unzip the two hemispheres and remove all of the inner hoops and shoulder pads.

**3.** Carefully fold the two hemispheres and store in a box with the shoulder pads and polar cap.

**4.** Store the hoops in the protective bag provided.

### Suggestions for engagement:

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- Ask audiences if they would like to wear the polar cap.
- Ask audiences to identify and find the NERC research equipment.
- Ask audiences to identify features on Earth's surface.

### Health and safety

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#### Hazard | Precaution

**Overheating** - Take regular breaks and alternate who wears the suit.

**Trip, fall** - The person wearing the suit should be supervised at all times.

**Knocking into visitors/equipment** - The person wearing the suit should be supervised at all times.

**Risk** - Medium.

### Maintenance and troubleshooting

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See care instructions provided with the suit.