



## Astronaut's glove box

Hello, I'm Nicky Thomas.

In my spare time I volunteer with the Institute of Physics doing outreach activities like this.

You can get a bit of an idea how difficult it is to handle samples remotely using a glove box. I took my ideas from here:

<https://www.giftofcuriosity.com/diy-astronaut-glove-box/>

You will need

- A cardboard box with top flaps removed
- Scissors
- A pair of washing up gloves
- Sticky tape (I used gorilla tape)
- Cling film
- Rock samples
- Ruler
- Bowls
- Tweezers
- Magnifying glass
- Items to sort, label and measure the rocks

Use the scissors to cut two hand-sized holes in one side of the box - a parent may need to help.

Check your hands can easily fit through the holes.

Push the fingers of the washing up gloves through the holes, leaving the wrist outside the box. Put the left-hand glove in the left hole with the thumb are pointing slightly upwards and inwards; repeat for the right-hand glove (in the right hole).

Use tape to stick the wrist part of each glove firmly to the outside of the hole - astronauts need an airtight seal.

Put your rocks and other objects inside the box.

Cover the top with cling film so you can see what you are doing, but not touch directly

Start sorting and measuring!