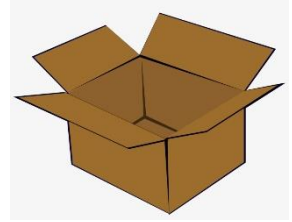




Science Activity

Make a cross section of Earth

Time to prepare: 5 minutes



□ Please, stay safe and ask a grown up to supervise you

Resources/ things you need

- Colours or paints
- Paper
- Scissors

You only need to choose one of the options below

- Lego OR playdough OR plasticine OR junk modelling.

(Optional cocktail sticks are useful for labels)

What to do

1. You are going to have fun making a cross-section of the Earth. This is as though you have sliced the Earth in half so that you can see the **4 layers**.

- **Crust**
- **Mantle**
- **Outer core**
- **Inner core**

See below and the pictures for help as some of the layers are much thicker than others.

(Label your earth layers if you like with cocktail sticks and labels, or just use paper.)

Background and the link to learning

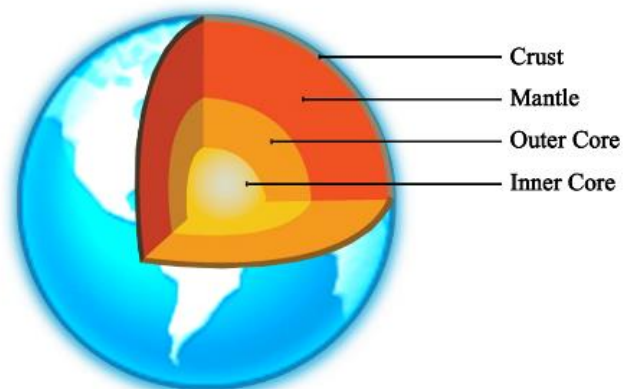
The **crust** is the thin outer layer of the Earth where we live.

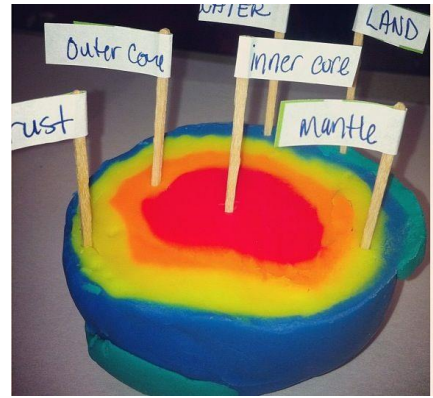
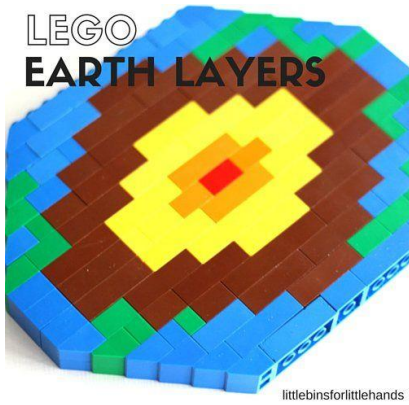
The next layer of the Earth is called the **mantle**. The mantle is much thicker than the crust. It's made up of slightly different rocks with more magnesium and iron.

The Earth's **outer core** is made up of iron and nickel and is very hot (4400 to 5000+ degrees C). This is so hot that the iron and nickel metals are liquid!

The Earth's **inner core** is made up of iron and nickel, just like the outer core, however, the inner core is different. The inner core is so deep within the earth that it's under immense pressure. So much pressure that, even though it is so hot, it is solid.

Pictures





[Link to other similar activities](#) - Please see: solar system fun and make a mobile solar system.

