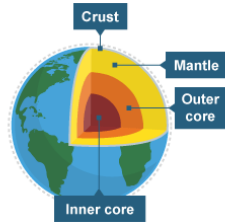




THE MULBERRY HOUSE
SCHOOL

What is underneath us?



Did you know that the earth is made out of 4 layers? The inner core, outer core, mantle and the crust! Let's have a look at the structure of these layers shall we?

- The inner core is 5,500°C - extremely hot. It is a very dense solid made from iron and nickel.
- The outer core is 2,000 km thick and is a liquid.
- The mantle is semi-molten (something that is partly melted) and about 3,000 km thick.
- The crust is where we live; this is the rocky outer layer and very thin approximately 5-70km. The crust is made up of pieces called plates. There are two types of crust: oceanic and continental crust.

Can you build your own 3D model of the 4 layers?

Key vocabulary:

- Inner core
- Outer core
- Mantle
- Crust
- Iron
- Nickel



What you need:

- Clay or playdough
- Red - for the inner core
- Orange - for the outer core
- Yellow - for mantle
- Blue - for crust

Step by step guide:

1. First use the red playdough to roll a small ball of clay for the solid metal inner core.
2. Next use the orange (outer core) playdough to wrap around the inner core.
3. Then use the yellow playdough (Mantle) to wrap around both inner core and the outer core.
4. After that, use the blue playdough (crust) to wrap around all other layers.
5. Lastly, with the help of an adult, use a knife to cut in half so that you can see the layers of the earth.