In the ICT Room:

1. Fill in the logarithmic ‘timescales timeline’ with examples of things that happen at different speeds. This could be things like fingernail growth, how fast a sloth moves, how fast you think you run or walk and so on.
2. Follow this link: <https://ian-r-rose.github.io/interactive_earth/thermal_hires.html>

Here you can experiment with thermal convection. There are instructions on the website. You can create hot spots and cold spots in the mantle, adjust the temperature difference, and even create earthquakes.

1. Follow this link: <https://deepearth.esc.cam.ac.uk/?page_id=294>

This is an online exhibition by the ‘Deep Earth Explorers’ who are researchers in the Earth Sciences department of the University of Cambridge. Look through the exhibition, starting with the section ‘Looking into the Deep Earth’. Now look through other parts of the exhibition, apart from the interactive convection which we have already done, and the behind the scenes section as this is less relevant.

1. Now, imagine you are a scientist studying the deep Earth. Using the online Deep Earth Explorers exhibition, create either an A4 fact-file poster, or an A4 magazine interview page to explain your job to the public. A useful section of the exhibition is ‘Life as a Deep Earth Explorer’. Try to answer the following questions:

* How do you find out about what’s inside the Earth?
* What does our modern picture of the deep Earth look like?
* What is a current question about the deep Earth that you are trying to answer?
* What does your job involve on a day-to-day basis?
* What skills do you need as a scientist?