THE UNIVERSITY of ADELAIDE

Faculty of Sciences

Classroom Activity

10 Big Question: How does the Earth work?

Tennis ball globe

A great way to visualise the changes to our planet in 3D is to make your own globe. This printable map allows you to create a 3D model with nothing more than a sheet of paper, scissors, glue and a tennis ball!

> www.ga.gov.au/corporate_data/68913/68913.pdf

Want to make some more 3D globes? There are quite a lot of great printable versions available.

For a great choice of map types and a few simple cuts:

> www.progonos.com/furuti/MapProj/Normal/ProjPoly/Foldout/Rhombicuboct/rhombicuboct.html

This one takes a bit more effort, but gives a great result:

> www.brighthubeducation.com/help-with-geography/123525-how-to-make-make-a-homemade-globe-for-a-project/

For a few different options:

> www.3dgeography.co.uk/#!make-a-globe/cdox

If you want to make more than just planet Earth, USGS has some great options for other planets:

> http://astrogeology.usgs.gov/maps/planetary-maps-and-globes

Extension activity

What do you think will happen to the location of the continents on the globe 50, 100 or 200 million years from now? Using your tennis ball globe and a bit of research into the current direction of continental drift, track where you think each continent will move to as they keep moving. Research what scientists think will happen (hint: try looking in to a supercontinent called Pangea Ultima).