

## **The Globe Unwrapped – Teacher’s notes**

### **Overview**

The Globe Unwrapped allows you to select a view of the world, and to see what happens when the globe is flattened into a map. It is designed to be used initially by the teacher on an interactive white board, to introduce the product and inspire whole class discussion of the issues.

### **Aims of the resource**

- To demonstrate to pupils the relationship between a map and a globe.
- To introduce the idea of maps being centred on different parts of the world.
- To enable pupils to rotate and tilt a globe without the restriction of fixed arms, etc.

### **Key objectives**

At the end of this activity pupils will be able to:

- recognise that a map is a globe flattened.
- explain what happens to the shapes of different land masses when the globe is flattened to produce a map.
- explain how a map allows us to see all of the world at once.
- identify the continents of the world.

### **Using the resource**

1. Click the LAUNCH button to start the activity. (If it doesn't launch, try turning off your pop-up blocker.) The questions on the screen will lead you through the activity. Discuss which continents and countries pupils can see.
2. When you're ready, select one of the views from the list. The globe will rotate until it reaches the chosen view. **You will now be able to tilt the globe up and down, either by touching the 'TILT' arrows or by sweeping your finger (or mouse) vertically up and down the globe.** This particularly helps pupils to see the poles, which will not be entirely represented when the globe becomes a map later on. Discuss what pupils can see now.
3. When you're ready, click on FLATTEN GLOBE.
4. Once the globe has been flattened into a map, a slider is available, allowing you to slide the view between the globe and the flat map, showing the gradual change from one to the other.
5. You may now want to allow the pupils to explore the activity independently. NB You may need to switch off any pop-up blockers on the pupils' computers.
6. At the end of the individual exploration phase, gather the pupils around the board again for the Plenary session about this activity.

### **Useful information**

- You might like to have a globe for the pupils to refer to (even better, one at each table) to help them find names and places.
- You might find it useful to have a large Peters map of the world to hand.
- Note: This globe flattens into a Peters projection, with the chosen view at the centre. On the Peters map, countries are stretched east to west near the poles, and in a north-south direction near the Equator. The changes that take place when the globe becomes a map would be different if a different projection was used. We will explore different projections later in the product.
- To turn off the questions that appear at each step, simply click QUESTION MODE OFF at the bottom left-hand corner of the screen. You can switch them back on again at any time.