**A**

**B**

**D**

**C**

*Cut this section out*

**X**

**Y**

**Z**

**W**

**2**

**4**

**3**

**1**

**Instructions for building the decoder:**

* Cut out the three circles (one white, one red and white, one blue)
* Stack the three circles on top of each other, putting the largest (blue) at the bottom and the smallest (white) at the top
* Attach the circles using the paper fastener, by carefully poking it through the middle of the three stacked circles.
* Turn the middle (red and white) circle so that the number 4 is lined up with A on the bottom layer (this is the ‘linkage key’ noted at the centre of the smallest circle). Keep the wheels fixed in this position.