

#### 4. Möbius Strips



##### HOW TO MAKE THESE MODELS.

1. Cut out all four pieces keeping well away from the outlines.
2. Score along the dotted central line of each of the Möbius strips.
3. Cut out each outline precisely.
4. Fold each strip away from you and crease firmly so that they match back to back.
5. Spread glue evenly inside the fold and then press tightly.
6. Form a loop, giving each a half twist. The unprinted flap glues to the grey tone, giving a strip totally coloured on both sides.

*For the properties of each model and details of the "ham sandwich" test see page 4 of the minibook.*

MODEL 1

**SIDE BECAUSE THIS WRITING CONTINUES RIGHT ROUND IT SHOWING CLEARLY THAT A MÖBIUS STRIP ONLY HAS ONE SIDE. YOU CAN TELL THAT IT ONLY HAS ONE**

MODEL 2

**MÖBIUS STRIP WHICH HAS TWO SIDES, TWO EDGES AND A DOUBLE TWIST WHICH IS THE RESULT OF CUTTING A ONE SIDED MÖBIUS STRIP IN HALF GIVING A NEW**

MODEL 3

this is the filling for the 'ham sandwich' test

**HAS TWO SIDES AND TWO EDGES AND ALSO HAS A DOUBLE TWIST CUTTING A ONE SIDED MÖBIUS STRIP IN THREE GIVES THIS ONE SIDED CUTTING A ONE SIDED MÖBIUS STRIP IN THREE GIVES THIS LOOP WHICH LOOP WHICH ONLY HAS ONE EDGE, THE ONE ABOVE THIS WRITING**