

## Activity 1 Human Identification using knuckle creases

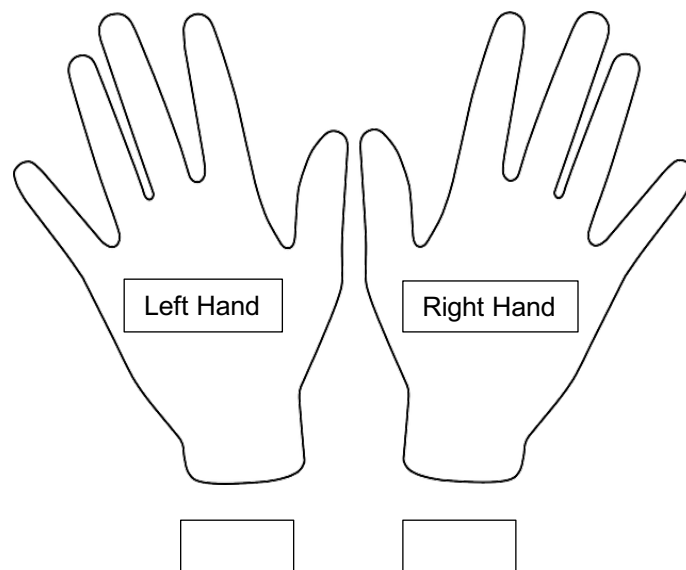
### What do I need?

- (1) A water soluble pen
- (2) A4 paper

### What do I do?

Step 1 – Look at the knuckles on your hands. There are three knuckles on each finger of your left and right hand. You can see them in this picture in the green, red and yellow circles.

Step 2 - Look at the knuckle creases of two fingers on ONE hand. Highlight the knuckle crease you want to look at on the hand diagram below. Tick the box to show which hand you've chosen.



Step 3 – With the pen, mark the knuckle creases by drawing on your finger as shown in the video and draw the patterns you see on a piece of paper. Remember to draw patterns for each of the knuckles on each finger.

Step 4 – Do you think the knuckles you analysed have different crease patterns?

Step 5 - Look at the creases on the middle knuckle (the red one) on the first finger of different family members. Make sure you look at the same finger on each person's hand.

Step 6 – With the pen, mark the knuckle creases by drawing on them as you did in step 3 and draw the patterns you see on a piece of paper.

Step 7 – Do you think the knuckles from different people have different crease patterns?

**Knuckle crease patterns**

**Your knuckle creases 2 fingers on your hand**

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**Knuckle creases of the middle finger of other people's hands (don't forget to list the people's names under the boxes and which hand (left or right) that you looked at)**

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