Finger Printing - Teachers Guide

Resources
- *PowerPoint*
- *Finger printing workcard*
- *Ink pads*
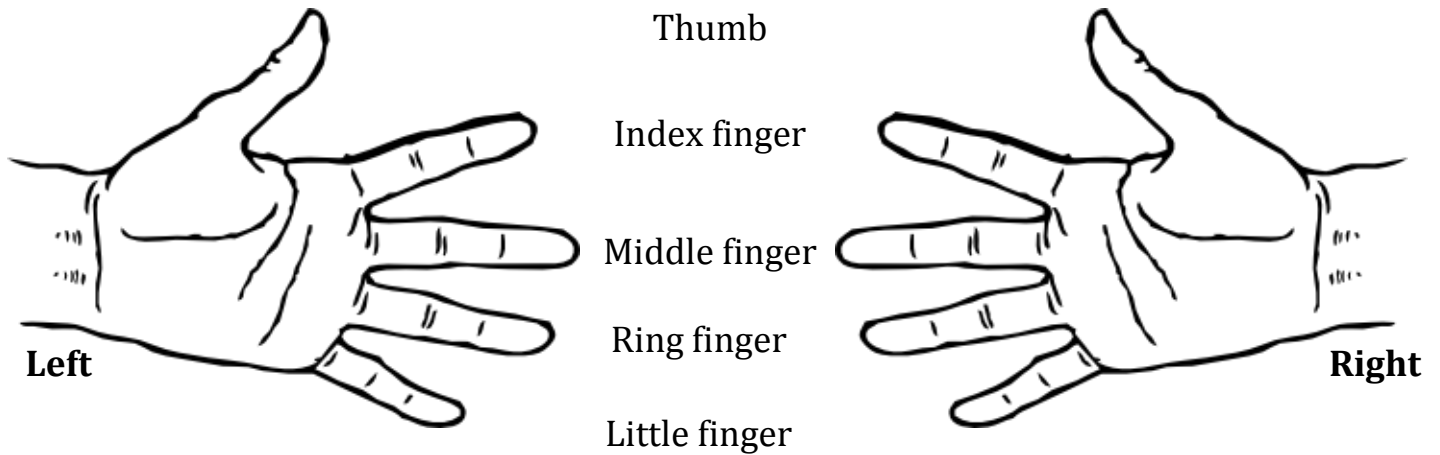- *Jotters/record sheet*
- *Assessment sheet*
- *Finger print match*

Activities
- **Demonstration** *of how to take finger prints.*
  - o *Emphasise to pupils not to press too hard on ink/paper but to gently roll their finger.*

- **Practical**
  - o *Pupils to take print of each of their fingers*
  - o *Pupils can use finger print workcard to determine their finger print patterns*
  - o *Loops are found in 65%of the population, whorls are found in 35% and arches found in only 5%of the population.*

- **Gather class data***: what is the most common finger print pattern?*
  - o *present as graph (homework)*

- **Finger Print Match**
  - o **Resource***: Finger Print Match (***correct answer is Suspect H***)*
  - o **Think.Pair.Share***: get each pupil to decide upon their own answer, get pupils to share their answer with a partner and explain why they have chosen the suspect, get a few pairs to feed back to class.*
    - ▪ *Consensus? Discuss any differences*
    - ▪ *How reliable is finger printing as a forensic technique?*
- **Game***:*
  - o [*http://www.trutv.com/shows/forensic_files/games/fingerprint/index.html*](http://www.trutv.com/shows/forensic_files/games/fingerprint/index.html)

- **'Who dunnit?'** *identification of criminal by finger prints*
  - o [*http://www.pbs.org/wgbh/amex/dillinger/sfeature/sf_whodunit.html#*](http://www.pbs.org/wgbh/amex/dillinger/sfeature/sf_whodunit.html#)

Assessment*:*
- *Assessment sheet; identification of finger print patterns*

Finger Printing

Thumb

Index finger

Middle finger

Ring finger

Little finger

Left

Right

Method

1. Gently roll your finger on the ink pad

2. Gently roll your finger onto the appropriate section of your worksheet

3. Use the images below to identify your finger print patterns
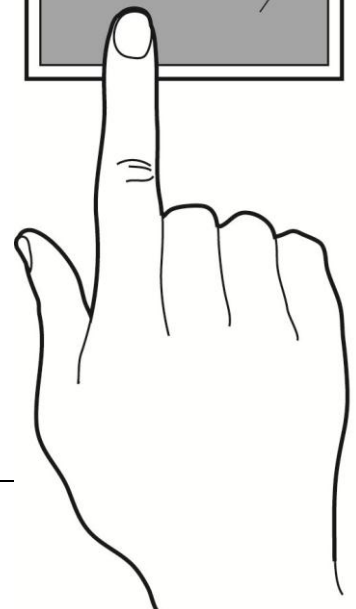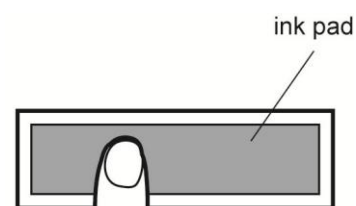

Plain Arch

Tented Arch

Radial Loop

Ulnar Loop

ink pad

Plain Whorl

Central Pocket Loop

Double Loop

Accidental

Created by J O'Sullivan

Finger Printing

Why can finger prints be used as evidence in solving a crime? _____
_____

Do you think each of your finger prints are the same? _____
_____

Right Hand

Finger	Thumb	Index	Middle	Ring	Little
Print					
Pattern					

Left Hand

Finger	Thumb	Index	Middle	Ring	Little
Print					
Pattern					

Identify the fingerprint types below: