**Crime Scene Practical Set-up**

**Sketch of set-up with evidence**

**Walkthrough story of what happened during murder:**

Frank and murderer meet according to time on note in Franks pocket. Confrontation. Murderer stabs Frank in stomach. Frank grabs their hair, which is why he has a handful of hair, and stabs them back with his pen/pencil which is also bloodied and in his other hand. Frank collapses. Murderer starts to drag body, gets a fright. Quickly grabs rag and starts to clean the small pile of their blood. Mr. Ronan walks around corner, scaring them away and causing them to leave their rag behind.

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| **When Needed** | **Equipment** |
| **DAY ONE** | |
| Crime Scene Set-up | * Body (teacher or Frank the skeleton) * Bag of sand to drag body through and leave shoe prints in * Chef’s knife with bloodied fingerprint of guilty suspect on blade * Hair fibres from guilty suspect in body’s hand * Baggie of white powder (baking powder) on ground * Fake blood to drop on ground for blood spatter * Rag full of fake blood * Note on body with guilty suspects handwriting * Small weapon (pen) in body’s other hand with blood on end |
| Students Collect Evidence | * **Fingerprint team**: small bag/box with graphite powder, brush, sticky tape and card to put fingerprint on * **Fibre team**: small bag/box with paper bag, marker, tweezers * **White powder team**: small bag/box with paper bag, marker and tweezers * **Footprint team**: ice-cream tub, plaster of Paris, pop stick * **Handwritten note team:** small bag/box with paper bag, marker, tweezers * **Bloodied rag team:** funnel, vial, label, marker * **Pool of blood team:** funnel, vial, label, marker |
| **DAY TWO** | |
| Students collect evidence from suspects | * Per group going out to collect suspect evidence, a bag with:   + Tweezers   + Marker   + Ink pad   + Fingerprint card   + Handwipe   + Handwriting sample card   + Pen   + Blood type declaration card   + 3x paper bag   + Gloves |
| **DAY THREE** | |
| Lab stations to analyse evidence | * Station One: Suspects Imprints   + Print out of suspects shoes   + Mould from students from crime scene   + Fingerprints from suspects   + Fingerprint from crime scene * Station Two: Powder   + Dimple tray   + Vials with vinegar, water, ethanol, iodine and Universal Indicator   + White powder samples labelled “crime scene” (baking powder), and two samples from suspects (guilty suspect has baking powder and other is corn-starch). * Station Three: Fibre and Handwriting Analysis   + Handwriting sample from each suspect   + Letter from crime scene   + Microscope   + Hair samples from suspects   + Hair sample from crime scene * Station 4: Blood Typing   + Dimple tray x2   + Toothpicks   + 3x mini-trays, one for each blood to be analysed. In them:     - Vial of milk blood labelled “Rag Blood” (will be guilty suspects blood type – ours is O-). 3 vials of water labelled “Anti-A antibody”, “anti-B antibody” and “Anti-Rhesus antibody”     - Vial of milk blood labelled “Pool of Blood” (will be victims blood type – A+). Vials of vinegar labelled “Anti-A antibody” and “Anti-Rhesus antibody”, and vial of water labelled “anti-B antibody     - Vial of milk blood labelled “Victims Blood” (A+). Vials of vinegar labelled “Anti-A antibody” and “Anti-Rhesus antibody”, and vial of water labelled “anti-B antibody |