Technician Notes for Hospital Heist (Based on one class of thirty students – 6 groups)

For each room: Blu-Tack, suspect pictures, crime scene tape, sugar paper and pens

Document Analysis:

**NOTE: An image of the map should be scanned into a folder on the school network that students can access. A photo manipulation software package needs to be uploaded on all computers the student will be using: Photoshop or GIMP**



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| Item | No required per group | Total number required |
| Fine marker pens  Hants Catalogue (822178) | 2 | 12 |
| Laminated Photoshop or GIMP instructions | 2 | 12 |
| Laminated set of 4 printer dot pattern sheets | 1 | 6 |
| Image of crime scene map (if it is not possible to scan it on school network) | 1 | 6 |
| Retort stand, boss, clamp, 30cm ruler and roll of sellotape, 100g mass hanger and 10 100g masses | 1 | 6 |
| Strips of 4 different paper qualities (**one must be 100gsm)** | 1 | 12 |
| Mass balance |  | 1-2 |
| 1 whole A4 sheet of each of the 4 sample papers |  | 1 |

Fibre Analysis:

**Note: Slides of cat, dog and rabbit fur need to be produced prior to the lesson. Advisable to use superglue to ensure longevity of slides.**

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| Item | No required per group | Total number required |
| Microscopes | 1 | 6 |
| Glass microscope slides | One for each member of grp | 30 |
| Sellotape | 1 | 6 |
| Slides of cat, dog and rabbit hair labelled 1, 2 and 3 (in that order) | 1 | 6 sets |
| Laminated animal hair reference sheet | 1 | 6 |
| Laminated electron microscope specimen sheet | 1 | 6 |
| Laminated electron microscope animal hair reference sheet | 1 | 6 |

Ballistics:

**Note: Cotton buds can be made to look a little dirty by shaking them in a small bag of charcoal. If possible, appropriate clothing should be obtained and hung up in the room (labelled A-G)**

**A – Nurse B – Ladies dress/top C – Lab coat D – Physio polo shirt E – Lab coat**

**F – Scrubs G – Scrubs H – Overalls/Lab coat**

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| --- | --- | --- |
| Item | No required per group | Total number required |
| Lead nitrate dropper bottles | 1 | 6 |
| Sample tubes labelled A, C, D, E F and G containing cotton buds impregnated with Potassium iodide | 1 | 6 |
| Sample tubes labelled B and H containing cotton buds | 1 | 6 |
| Disposable gloves | 1 set per student | 30 |
| Safety googles | 1 set per student | 30 |
| 3 x gun casing jigsaws | 1 | 6 |
| Laminated image of crime scene cartridge | 1 | 6 |

Fingerprints:

**Note: This can get very messy if not controlled. Advisable to put powders in one area of the room on newspaper. Fingerprint brushes are expensive but blusher brushes will match requirements for this practical**

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| Item | No required per group | Total number required |
| Clear plastic pots for powder | 3 | 18 |
| Talcum powder, Coco powder and aluminium powder | 1 | 6 |
| Small squares (approx. 6 x 6cm) | 3 per student | 90 |
| Fingerprint brushes | 3 | 18 |
| Inkpads | 2 | 12 |
| Sellotape | 1 | 6 |
| Glass microscopes | 1 per student | 6 |
| Laminated set of suspect high resolution prints and crime scene prints | 1 | 6 |
| Laminated set of fingerprint reference sheet | 2 | 12 |