

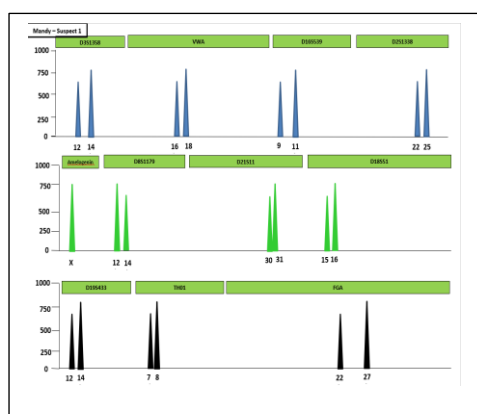
## Instructions for how to use the files you have been sent.

You have been sent four files;

1. DNA profiles – girls
2. DNA profiles – boys
3. DNA profiles – evidence
4. DNA evidence in tables

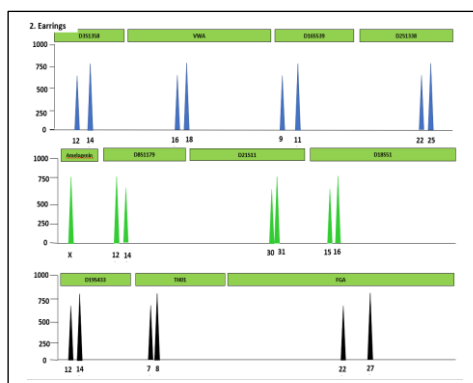
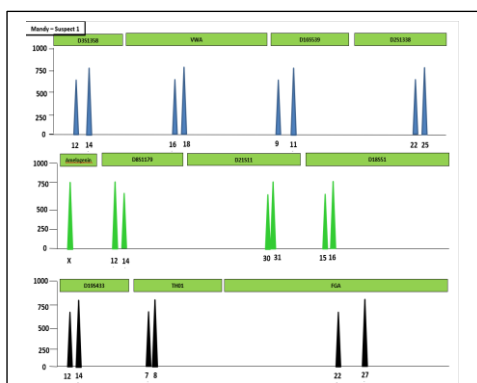
**1. “DNA profiles girls/boys”** contains the DNA profiles (a unique pattern of DNA) for the four suspects – Harry, Jonathan, Annabelle and Mandy. The children can choose which character they want to be. Print out the DNA profiles (or they can do this at home) so they have a copy of the DNA profile for their character. We will use this during the workshop to work out who the DNA evidence came from and which of them is the thief!

e.g., This is the DNA profile for “Mandy” – suspect 1



**2. “DNA profiles – evidence”** contains the results for the DNA evidence left at the crime scene. Print these out and give them to the children. When instructed in the session they can **compare these DNA profiles** with the DNA profile they have been given for their suspect (either Harry, Jonathan, Annabelle and Mandy). If the pattern matches, they will be able to see which suspect is responsible for each item of DNA evidence and whether they are the thief.

e.g., Here we can compare DNA from suspect 1 (Mandy) with the DNA evidence from the earrings. If they match then we can say that the earrings belong to Mandy and she left them at the crime scene.



**3. “DNA evidence in tables”** contains all the numbers for the different coloured peaks from the DNA profiles which are presented in a table. Sometimes this makes it easier to compare the data. The children can choose which they would prefer to work with. They will still need the DNA profiles for the “lid of the sweets” and “the hair”. These are the only ones I haven’t put the data in tables – you will realise why when you look at them! Print out the tables and give them to the children. We will use them in the session.

I really hope your children enjoy this session. Any questions please let me know. My email is [TLSTC@outlook.com](mailto:TLSTC@outlook.com).

Best wishes,

Mandy Hartley.