

Law 12 Crime Scene Plan Sheet

Inquiry Questions:

- 1) Based on Calliphoridae, how do you know how long a body has been dead?

The female blowfly lays eggs within two days, meaning the stage of development can tell you how long the corpse has been left undetected or untouched when law enforcement arrives. Eggs hatch within 24 hours under warmer conditions, larval stages last approximately five days and then they enter the pupal stages. The length of each stage helps to create an estimated time of death before examining other contributing decomposition factors.

- 2) What bones are used to determine gender after decomposition?

The frontal bone of the skull is one method for determining gender. Female frontal bones tend to be more rounded than male frontal bones. As well, males have a more prominent brow ridge while females' are much smoother. The human pelvis is also a very useful bone for determining gender. Bones can also tell us race and height of victims as well as the age they were at time of death.

Blowfly: A female lays its eggs within two days after death, so its stage of development - egg, larval stages, prepupal or pupal stage, adulthood - will suggest how long the corpse has been lying undetected. Larval stages last approximately five days

**"Forensic Entomology." *Forensic Entomology - Amateur Entomologists' Society (AES)*,
www.amentoc.org/insects/insects-and-man/forensic-entomology.html.**

Frontal bones for identification:

FutureLearn. "Identifying the Sex of a Skull." *FutureLearn*,
www.futurelearn.com/courses/forensic-facial-reconstruction/0/steps/25656.

Plan: Body dead no more than eight days based on blowfly- somewhere in the larval stages in relatively warm temperatures. Stabbed from behind in the right shoulder, indicating a right handed attacker. Attacker dropped the weapon as the victim stood up from their chair and punched the attacker in the face. Attacker pushed the victim to the ground, knocking over the chair. Attacker attempts to strangle the victim but the victim successfully pushes them away, knocking them into a shelf (or something) leaving a blood trace from a head wound. A small amount of blood is left on the ground from the shoulder wound. As the victim tries to escape the attacker grabs them and pushes them into the wall. The attacker then repeatedly bashes the victims head into the wall, killing them.
