

Appendix 1: Implementing Teaching Standards

Essential Standard: HS-FS-FPa-1:

Students will evaluate the role of Forensics as it pertains to Medico-legal Death Investigation

Students will define the role of forensics including evidence collection and testing and evaluate its value in investigating death

Substandard HS-FS-FPa-1a:

Students will describe how and why the dead body of a victim contains an abundance of evidence that can be used to identify the mechanism of death

Students will use text, Internet and lab based resources to define death and distinguish between cause, mechanism and manner of death Students will use field investigations to examine specimens for the signs of death and the stages of decomposition Students will view documentary videos addressing the procedures performed during an autopsy and the study of decomposition at the body farm research facility

Substandard HS-FS-FPa-1b:

Students will assess how Entomological evidence can be used to determine time of death

Students will implement a research project to study decomposition and the succession of insects, primarily the blow fly Students will use blow fly life cycle information to determine post mortem interval and estimated time of death