

# CSI: Who Killed Henry Ward?

## module 1 – hair analysis

**Lab Activity: item #366833** **Refill Kit: item #366245**

### biology TEKS

- 1A** Demonstrate safe practices during laboratory and field investigations.
- 2F** Collect and organize qualitative and quantitative data and make measurements with accuracy and precision using tools such as calculators, spreadsheet software, data-collecting probes, computers, standard laboratory glassware, microscopes, various prepared slides, stereoscopes, metric rulers, electronic balances, gel electrophoresis apparatuses, micropipettors, hand lenses, Celcius thermometers, hot plates, lab notebooks or journals, timing devices, cameras, Petri dishes, lab incubators, dissection equipment, meter sticks, and models, diagrams, or samples of biological specimens or structures.
- 2G** Analyze, evaluate, make inferences, and predict trends from data.
- 3E** Evaluate models according to their limitations in representing biological objects or events.
- 5B** Examine specialized cells including roots, stems, and leaves of plants; and animal cells such as blood, muscle, and epithelium.

### forensics/career and technology education TEKS

- 1A** Demonstrate safe practices during laboratory and field investigations.
- 2F** Collect and organize qualitative and quantitative data and make measurements with accuracy and precision using tools such as calculators, spreadsheet software, data-collecting probes, computers, standard laboratory glassware, microscopes, various prepared slides, stereoscopes, metric rulers, electronic balances, gel electrophoresis apparatuses, micropipettors, hand lenses, Celcius thermometers, hot plates, lab notebooks or journals, timing devices, cameras, Petri dishes, lab incubators, dissection equipment, meter sticks, and models, diagrams, or samples of biological specimens or structures.
- 2G** Analyze, evaluate, make inferences, and predict trends from data.
- 3E** Evaluate models according to their limitations in representing biological objects or events.
- 4B** Identify roles, functions, and responsibilities of a forensic science professional.
- 5B** Demonstrate the ability to work as a member of a team.
- 6H** Explain the examination of trace evidence using instruments such as a spectrophotometer, stereoscope, electron microscope, and compound microscope.
- 7B** Process trace evidence such as soil, glass, blood, fibers, and hair collected in a simulated crime scene.
- 7C** Compare the anatomy of human hair to animal hair.

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