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| **WCSD High School Forensic Science Unit Resources**This course model arranges the Performance Expectations for High School Forensics into different units with guiding questions.  |
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| **1st Semester Forensics** |
| **Unit title: Crime Scene Investigation and Evidence Collection** | **Unit title: Fingerprints and Impressions** | **Unit title: Hair and Fibers Evidence** | **Unit title: Trace Evidence Options can include: Soil, Glass, Pollen, Physical Match, fire debri and ignitable liquids** | **Unit title: Optional Questioned Documents** |
| **Topics** | **Topics** | **Topics** | **Topics** | **Topics** |
| **Observations Skills****Suspicion/probable cause****Chain of Custody****Crime Scene Evidence 7S’s****Search and Seizure****Careers** | **Ridge Patterns****Latent, plastic and patent prints****Developing Prints** | **Origin** **Structure and Morphology****Natural vs. Synthetic fibers****Textiles** | **Soil****Glass****Pollen****Physical Match****Fire debri****Lamp On/Off** | **Forgery****Fraud****Chromatography****Questioned Documents****Indented Writing****Alternate Light Sources** |
| **Resources** | **Resources** | **Resources** | **Resources** | **Resources** |
| Bertino Resources: <http://www.bertinoforensics.com/teacher_resources.html>Edpuzzle.comBrain games- youtube.comPopular Videos-Forensic Science (youtube channel)<http://tinyurl.com/zvzxd8v><http://tinyurl.com/h7eqnkc> | Bertino ResourcesBack of Chapter Labs<http://forensics.rice.edu> | Bertino Resources | Bertino Resources | Bertino Resources |

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|  **2nd Semester Forensics** |  |
| **Unit title: Biological Evidence including DNA, Serology, Blood Spatter****Blood History****Blood**  | **Unit title: Toxicology and Seized Drugs** | **Unit title:****Anthropology and Odontology** | **Unit title: Fire Arms and Tool Marks** | **Unit Title: Optional Death Cause, Criminal Profiling, entomology**. |
| **Topics** | **Topics** | **Topics** | **Topics** | **Topics** |
| **Blood****ABO Typing****Nuclear and Mitochondrial DNA****Presumptive & confirmatory testing Spatter patterns** | **Poisons****Drug Schedules and effects****Law Enforcement and DUI** **Body fluid analysis****Presumptive & confirmatory testing** | **Skeletal identification****Age, height, sex and race identification****Bite marks****Matching dental patterns** | **History of firearms/gun powder****Bullets, cartridges/casings****GSR****Trajectories****Bullet wounds****Tool Marks** | **Cause/Manner of Death****Time of Death****Meaning and Mechanisms****Criminal Psychology****Criminal Profiling**  |
| **Resources** | **Resources** | **Resources** | **Resources** | **Resources** |
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