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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.com  Brain games- youtube.com  Popular Videos-Forensic Science (youtube channel)  <http://tinyurl.com/zvzxd8v>  <http://tinyurl.com/h7eqnkc> | Bertino Resources  Back 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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