**SUBJECT:** Elementary  

**COURSE:** EER  

**STRAND:** Forensics  

<table>
<thead>
<tr>
<th><strong>Objectives</strong></th>
<th><strong>Assessment/Evaluation</strong></th>
<th><strong>Instructional Activities</strong></th>
</tr>
</thead>
</table>
| **(A) Introduction to Forensics**  
Use symbols to create a bioglyph that accurately represents student characteristics  

**Performance:** 1.5, 1.6  
**Knowledge:** (CA) 3  
**CAGLE:** R.3.C (Gr. 6,7)  
**NETS:** (3-5) 4,8  
**DOK:** 1-4 | Students will use clues to investigate and determine who each bioglyph represents – assess using a scoring guide | • Create a Bioglyph PowerPoint  
• Bill Nye Forensic video  
• Students will create their own bioglyphs |
| **(B) Crime Scene Basics**  
Learn crime scene vocabulary and protocol  

**Performance:** 1.5 – 1.8, 2.4, 3.1, 3.4 - 3.7  
**Knowledge:** (CA) 2-4 (SC) 7  
**CAGLE:** R.3.C,D (Gr. 5,6); W.3.D (Gr. 7)  
**SCGLE:** SC7.1.B (Gr. 6-8)  
**NETS:** (3-5) 4,8  
**DOK:** 1,2 | Crime Scene Basics: quiz | • Crime Scene Basics PowerPoint  
• Notes over Crime Scene Basics  
• United Streaming Forensic video (on the Internet)  
• Notes over video  
• Forensic A to Z challenge  
• Crossword review |
| **(C) Eyewitness Basics**  
Learn about eyewitness basics and practice eyewitness skills  

**Performance:** 3.1  
**Knowledge:** (SC) 7  
**SCGLE:** SC7.1.B  
**NETS:** (3-5) 8  
**DOK:** 1-3 | Scoring guide for “Now You See It Now You Don’t” activity | • Eyewitness Basics PowerPoint  
• Notes over Eyewitness Basics  
• Memory challenge activity  
• “Now You See It Now You Don’t” classroom activity |
### Objectives

| (D) **Power of Evidence**  
Learn about, identify and evaluate types of evidence  
Performance: 1.5 – 1.8, 2.1 - 2.4, 3.1, 3.4 - 3.7  
Knowledge: (CA) 2-4 (SC) 7  
CAGLE: R.3.C,D (Gr. 5,6); W.3.D (Gr. 7)  
SCGLE: SC7.1.A-E (Gr. 6-8)  
NETS: (3-5) 8  
DOK: 1-4 | (E) **Hair and Fibers**  
Use microscopes to analyze and evaluate hairs and fibers  
Performance: 1.5 – 1.8, 2.1 - 2.4, 3.1, 3.4 - 3.7  
Knowledge: (CA) 2-4 (SC) 7  
CAGLE: R.3.C,D (Gr. 5,6); W.3.D (Gr. 7)  
SCGLE: SC7.1.A,B (Gr. 6-8)  
NETS: (3-5) 8  
DOK: 1-3 | (F) **Chromatography**  
Use paper chromatography to identify a suspect  
Performance: 1.6 – 1.8, 2.1 - 2.4, 3.1, 3.4 - 3.7  
Knowledge: (CA) 2-4 (SC) 7  
CAGLE: R.3.C (Gr. 5,6); W.3.D (Gr. 7)  
SCGLE: SC7.1.A,B (Gr. 6-8)  
NETS: (3-5) 8  
DOK: 1-4 |

### Assessment/Evaluation

- **Power of Evidence:**  
  - challenge – assess using a scoring guide  
  - quiz  
  - Tire Track challenge lab – assess using a scoring guide

- **Scoring guide for:**  
  - human hair lab  
  - animal hair lab  
  - fiber evidence lab  
  - Hair challenge activity answers

### Instructional Activities

- **Power of Evidence:**  
  - PowerPoint  
  - notes  
  - unit review  
  - Trace Evidence scavenger hunt  
  - Tire Track Evidence PowerPoint  
  - Tire Track lab  
  - Trace Evidence assignment

- **Hair and Fiber Evidence:**  
  - PowerPoint  
  - notes  
  - Human hair lab  
  - Animal hair lab  
  - Fiber evidence lab  
  - Hair challenge activity

- **Chromatography:**  
  - PowerPoint  
  - lab  
  - Notes over chromatography
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<thead>
<tr>
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</tr>
</thead>
</table>
| **(G) Fingerprints**  
Distinguish between and identify fingerprint characteristics  
Performance: 1.5 – 1.8, 2.1 - 2.4, 3.1, 3.4 - 3.7  
Knowledge: (CA) 2-4 (SC) 7  
CAGLE: R.3.C,D (Gr. 5,6); W.3.D (Gr. 7)  
SCGLE: SC7.1.A-E (Gr. 6-8)  
NETS: (3-5) 8  
DOK: 1-4 | Fingerprint:  
• analysis – assess using a scoring guide  
• review – assess using a scoring guide  
• test | • Fingerprint:  
• PowerPoint  
• Principles notes  
• lab  
• Ridgeology Basics PowerPoint  
• Ridgeology basics  
• Latent Print:  
• PowerPoint  
• lab |
| **(H) Blood Basics**  
Using chemistry, test and identify unknown blood samples  
Performance: 1.5 – 1.8, 2.1 - 2.4, 3.1, 3.4 - 3.7  
Knowledge: (CA) 2-4 (SC) 7  
CAGLE: R.3.C,D (Gr. 5,6); W.3.D (Gr. 7)  
SCGLE: SC7.1.A-E (Gr. 6-8)  
NETS: 8  
DOK: 1-3 | Blood:  
• Basics review – assess using a scoring guide  
• Typing lab scoring guide  
• Basics quiz | • Blood:  
• Basics PowerPoint  
• Typing lab  
• “What’s My Type?” PowerPoint |
| **(I) Ireland Bureau of Investigation – Case of the St. Patrick’s Day Cookie Mystery**  
Using chemistry, test and identify unknown powders  
Performance: 1.5, 1.6, 1.8, 2.1 - 2.3, 3.1  
Knowledge: (CA) 2-4 (SC) 7  
CAGLE: R.3.D (Gr. 5,6); W.3.D (Gr. 7)  
SCGLE: SC7.1.A-C,G,H (Gr. 6-8)  
NETS: N/A  
DOK: 1-4 | Scoring guide for Mystery Powders chemistry lab | Mystery Powders chemistry lab |