

# FORENSIC SCIENCE AGENDA October 30 - November 3rd

## Area of Focus: Blood Types and Blood Donors

| DATE                             | FOCUS QUESTION  | IN CLASS WORK (Performance Task)   | SUCCESS CRITERIA   |
|----------------------------------|---|--|--|
| <b>Monday</b><br>October 30th    | <b>FOCUS QUESTION</b><br><b>What are the four parts of the blood, and what do they do?</b>  | <ul style="list-style-type: none"> <li>• Students will receive notes on the the parts of the blood and the different blood types</li> </ul>  | <b>HW:</b> None<br><br>Students will be able explain that the blood is made up of . . .<br>red blood cells (carry oxygen)<br>white blood cells (fight germs)<br>platelets (clot/help to make scabs)<br>plasma (the liquid the cells move in) |
| <b>Tuesday</b><br>October 31st   | <b>FOCUS QUESTION</b><br><b>What is a blood stain and what information can they give a forensic scientist?</b>  | <ul style="list-style-type: none"> <li>• Students will work with fake blood to determine the height and angle at which the blood was dropped</li> </ul>  | <b>HW:</b> None<br><br>Students will be able to explain that the size of the drop and the shape of the drop can given the height and direction the blood came from at a crime scene  |
| <b>Wednesday</b><br>November 1st | <b>FOCUS QUESTION</b><br><b>Who can donate blood and who can receive blood from whom?</b><br><br>Guest Teacher<br>(I will be at a science conference) | <ul style="list-style-type: none"> <li>• Students will receive notes on who can donate blood and receive blood from whom.</li> <li>• Students will fill out a worksheet on blood donation</li> </ul> | <b>HW:</b> None<br><br>A person with blood type A can receive blood from whom?<br>donate blood to whom?<br>(receive from A and O, give only to A and AB)   |
| <b>Thursday</b><br>November 2nd  | <b>FOCUS QUESTION</b><br><b>Who killed Ernie?</b>   | <ul style="list-style-type: none"> <li>• Students will use fake blood samples to complete the mystery: Ernie's Exit to learn who killed Ernie.</li> </ul>  | <b>HW: None</b><br><br>Students will determine that the blood on the knife belongs to the victim. They will also be able to explain who the murderer is through fake blood analysis.   |
| <b>Friday</b><br>November 3rd    | <b>FOCUS QUESTION</b><br><b>What can blood at a crime scene tell a forensic scientist?</b>  | <ul style="list-style-type: none"> <li>• Students will play a computer game on "Science Spot" to reinforce their understanding of blood types and donors.</li> </ul>                                 | <b>HW:</b> None<br><br>Students will be able to explain how forensic scientist use blood samples when solving crimes.  |