**Science Olympiad Lesson Plans**

**Teacher: Mrs. Paul**

**Week of 02/21/2017- 02/24/2017**

**Objectives:**

Students will be able to separate a mixture using paper chromatography.

Students will be able to classify fingerprints

Students will be able to analyze handwriting samples

Students will be able to determine the blood type for a simulated blood sample.

Students will be able to analyze evidence to solve a crime.

Students will be able to examine a crime scene and use entomology to determine the time of death.

**Monday:** No School.

**Tuesday:**

**Learning target:** I can determine the time of death using forensic entomology.

**Class work:** Students will complete a web quest selecting insects to determine the victims time of death of the .

**Wednesday:**

**Learning target:** I can determine the blood type of a person.

**Class work:** Students will read about blood and complete a worksheet identifying the blood type of a given sample.

**Thursday:**

**Learning target:** I can determine the blood type of a suspect using simulated blood.

**Class work:** Students will conduct a forensic investigation analyzing evidence such as blood to determine who committed the crime.

**Friday:**

**Learning target** I can classify fingerprints as loops, whorls or arches, analyze handwriting samples and separate a mixture using paper chromatography.

**Class work:** Students will complete the forensic investigation from yesterday by analyzing evidence such as blood, stomach contents and fiber analysis to determine who committed the crime.