Forensic Science
“Plan of the Week”: #5
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Monday:
- Bell-Ringer
- Lecture: Introduction to Serology
- Journal Entry
- Assignment: Read Ch.6
Tuesday:
- Quiz #1
- Chapter 1-2
Wednesday:
- Bell-Ringer
- Lecture: Serology (Continued)
- Journal Entry
- Complete Vocabulary for Chapter 06.
Thursday:
- In-Class Review of Laboratory Procedures
- Experiment: DNA Extraction from Strawberries
- Wrap-Up/ Report Out
- Assignment: Laboratory Write-Up Due Friday.
Friday:
- The First 48
- Collection and Identification of Evidence: Due at the end of the class!
- Assignment #1 Complete Review Questions Chapter 06 (Odds)

Week #5 Objectives

1. List the A_B_O antigens and antibodies found in the blood for each of the four blood types (HS-LS1-1)
2. Understand how whole blood is typed. (HS-LS1-1)
3. List and describe forensic tests used to characterize a stain of blood (HS-LS1-1)
4. Understand the concept of antigen-antibody interactions and how they are applied to species identification and drug identification (HS-LS1-3)
5. Contrast chromosome and Genes. (HS-LS4-2)
6. Learn how the Punnett square is used to determine the genotype and phenotypes of offspring. (HS-LS4-2)
7. List the laboratory tests necessary to characterize seminal stains (HS-LS1-2)
8. Explain how suspect blood and semen stains are properly preserved for laboratory examination (HS-LS1-2)
9. Describe the proper collection of physical evidence in a rape investigation (HS-LS1-3)