Forensic Science

Plan of the Week (Week #5, Quarter 4)

Continue to check your progress on Schoology, TEAMs and PowerSchool. Additional resources can be located on the classes' website @ Wardisiani.com

Laboratory Week

Monday:

- In-Class Review of Laboratory Procedures
- Experiment: Blood Drop Analysis A
- Experimental Write-Up is due on Tuesday.

Tuesday:

- In-Class Review of Laboratory Procedures
- Experiment: Blood Pattern Geometry B
- Experimental Write-Up is due on Thursday.

Wednesday:

- Faculty Inservice Day
- Non-Student Attendance Day

Thursday:

- In-Class Review of Laboratory Procedures
- Experiment: Developing Fingerprints
- Experimental Write-Up is due on Friday.

Friday:

- In-Class Review of Laboratory Procedures
- Experiment: Dusting for Fingerprints
- Experimental Write-Up is due on Monday.

Objectives for Week #5

SWBAT apply proper laboratory procedures and safety protocols during blood drop experiments
IOT accurately collect and document blood spatter evidence
BY completing a structured lab write-up with clearly labeled observations and procedures.

SWBAT analyze blood spatter patterns (shape, direction, and distribution)
IOT determine the angle of impact and origin of blood droplets
BY calculating and explaining findings in their experimental write-up.

SWBAT compare and evaluate different bloodstain patterns across multiple experiments
IOT draw evidence-based conclusions about events at a crime scene
BY synthesizing results from Blood Drop Analysis A, Geometry B, and Cold Blood labs.

SWBAT apply forensic techniques for fingerprint development (chemical and physical methods)
IOT identify and preserve latent fingerprints
BY successfully developing and documenting prints during lab activities.

SWBAT communicate scientific findings using appropriate forensic terminology and structure
IOT demonstrate understanding of investigative processes
BY producing complete, timely, and accurate experimental write-ups for each lab.