

## Forensic Science

### Plan of the Week: Quarter 4, Week #7

Continue to check your progress on Schoology, TEAMS and PowerSchool. Additional Resources are available at Wardisiani.com

#### Monday:

- In-Class Laboratory Wrap-Up sessions (Previous Weeks Labs)
  - Dusting for Fingerprints
  - Superglue Fuming Lab
- Laboratory Write-Up or Submissions are due on Tuesday.

#### Tuesday:

- In-Class Review of Laboratory Procedures
- Experiment: “Whose Clothes Did This Come From?”: Fiber Analysis
- Laboratory Write-Up is due on Wednesday

#### Wednesday:

- Criminal Minds
- Collection of Evidence / Development of a Psychological Profile.
- Evidence due at the END of the period.

#### Thursday:

- In-Class Review of Laboratory Procedures
- Experiment: “Chromatography of Dyes”.
- Laboratory Write-Up is due on Friday.

#### Friday:

- In-Class Review of Laboratory Procedures
- Experiment: DNA Extraction Lab
- Laboratory Write-Up is due on Monday.

### Objectives for Week #7

#### Monday – Latent Print Analysis (Fingerprints & Superglue Fuming Wrap-Up)

- Students will **analyze latent fingerprint evidence** collected from prior laboratory investigations for clarity, ridge patterns, and classification.
- Students will **demonstrate proper forensic documentation procedures** by organizing and completing lab write-ups with accurate scientific terminology.

#### Tuesday – Fiber Analysis (“Whose Clothes Did This Come From?”)

- Students will **examine and compare fiber samples** using microscopy and observational techniques to identify similarities and differences.
- Students will **apply forensic comparison methods** to determine potential sources of unknown fiber evidence.

#### Wednesday – Criminal Minds: Psychological Profiling & Evidence Collection

- Students will **collect and organize behavioral and physical evidence** to

construct a coherent investigative profile.

- Students will **analyze crime scenario data** to identify patterns, motives, and behavioral indicators.

#### Thursday – Chromatography of Dyes (Ink & Substance Separation)

- Students will **conduct chromatography procedures** to separate and identify components of dye mixtures.
- Students will **analyze chromatographic results** to compare chemical composition across different samples.

#### Friday – DNA Extraction Lab

- Students will **perform DNA extraction techniques** using standard laboratory protocols and safety procedures.
- Students will **explain the role of DNA in forensic identification** and its application in criminal investigations.