

Analysis #3 Shoeprint analysis

After observing the unique features of each suspect's shoe print, do you think that any of the suspects' shoes match the print found at the crime scene?

(Circle suspects)

Suspect A Suspect B Suspect C Suspect D

SUMMARY OF RESULTS: So who dyed the principal's poodle pink?

Evidence	Suspect			
	Suspect A Mischievous Mel	Suspect B Saboteur Steve	Suspect C Lively Lachie	Suspect D Crafty Cienna
Ink chromatography				
Soil analysis				
Footprint analysis				

The aim of the investigation was to

Analysis of the evidence incriminates Suspect _____ as being present at the crime scene and the most likely person to have committed the crime.



Forensics Unit (SSFU)

WHO DYED?

Evidence Analysis Results

You are part of the Street Science Forensics Unit (SSFU) and have been recruited to use real scientific methods of forensic investigation in order to analyse evidence and solve this who dunnit case.

Conduct all of your tests carefully, following the instructions provided by the lead investigator and the Street Science team. This will ensure the accuracy and precision of your tests. Pay close attention to the evidence provided and never allow food or drink into the laboratory as it could contaminate samples. A simple mistake could turn the whole case pink.

NAME: _____

CLASS: _____

TEACHER: _____

DATE: _____

Analysis #1 Ink chromatography

Sample	Appearance (methylated spirits)	Appearance (water)
Crime scene sample		
Suspect A Mischievous Mel		
Suspect B Saboteur Steve		
Suspect C Lively Lachie		
Suspect D Crafty Cienna		

Does the crime scene sample match any suspects in the crime?
(Circle suspects)

Suspect A Suspect B Suspect C Suspect D

Analysis #2 Soil samples

Sample	Describe the physical appearance of the soil (wet, dirty, sandy, rocky, full of small pebbles etc.)	Draw the layering of particles within the tube	What is the colour of the pH strip?
Crime scene sample			
Suspect A Mischievous Mel			
Suspect B Saboteur Steve			
Suspect C Lively Lachie			
Suspect D Crafty Cienna			

Does the crime scene sample match any suspects in the crime?
(Circle suspects)

Suspect A Suspect B Suspect C Suspect D