



FORENSIC ANALYSIS REPORT



CASE: **“Planet Science Whodunit?”**

REPORT SUBMITTED BY:

SCHOOL NAME: _____

TEAM NAME: _____

TEACHER: _____

CONTACT PHONE: _____

ADDRESS FOR POST : _____

Note: you will need all the details and results on this page when entering results online

INVESTIGATION SUMMARY

NAME THE CULPRIT:

RESULTS OF ALL ANALYSES:

Place a tick in the table if the suspect was incriminated by the analysis for each piece of evidence.

EVIDENCE	SUSPECT (enter names)				
Swipe Card					
Shoe Powder					
Ink					
Fibre					

Keep the hard copy of all pages of the Forensic Analysis Report including the Chain of Custody form in case you are requested to send it to competition judges for verification.



CLUE 1: SHOE SCRAPINGS



CASE: **“Planet Science Whodunit?”**

EVIDENCE: Powder scraped from suspects’ shoes

TEAM NAME: _____

DATE OF ANALYSIS: _____

TIME OF ANALYSIS: _____

RESULTS OF ANALYSIS:

Briefly describe the crime scene evidence and any visible identifying features:

COMPARISON OF SUSPECTS' SAMPLES:

SUSPECT	RESULT (positive / negative)

Note: write ‘positive’ result if suspect's the evidence is incriminating

BRIEF CONCLUSION:

Describe conclusions that can and cannot be drawn from the results:

(Winning classes will be required to submit all Forensic Analysis Report forms!)



CLUE 2: SWIPE CARD



CASE: **“Planet Science Whodunit?”**
 EVIDENCE: **Security Access Swipe Card found at crime scene / alibis**
 TEAM NAME: _____
 DATE OF ANALYSIS: _____
 TIME OF ANALYSIS: _____

RESULTS OF SWIPE CARD ANALYSIS:

Time of Crime Scene Entry:
 (Write the time encoded on the swipe card)

COMPARISON OF SUSPECT ALIBIS AND TRAVEL TIMES:

Complete the table:

SUSPECT					
Time of alibi (given on worksheet)					
Total distance from crime scene to alibi	km	km	km	km	km
Minimum travel time (calculated)	min	min	min	min	min
Earliest arrival if departing at time on swipe card					
Tick if evidence is incriminating					

- Notes:
- Total distance from crime scene to alibi:** measured using Birmingham City map
 - Minimum travel time:** calculate using the total distances and average speed (velocity) of 15km/hr (see worksheet for route details for each suspect)
 - Earliest arrival if departing at time on swipe card:** add the **minimum travel time** to the time encoded on the swipe card – this is the earliest time the suspect could have reached their alibi. It is incriminating if they arrived later than this time.

BRIEF CONCLUSION:

Describe conclusions that can and cannot be drawn from the results:

(Winning classes will be required to submit all Forensic Analysis Report forms!)



CLUE 3: INK SPECIMENS



CASE: **“Planet Science Whodunit?”**

EVIDENCE: **Ink samples from suspects’ pens**

TEAM NAME: _____

DATE OF ANALYSIS: _____

TIME OF ANALYSIS: _____

RESULTS OF ANALYSIS:

Briefly describe the crime scene evidence and any visible identifying features:

COMPARISON OF SUSPECTS' SAMPLES:

SUSPECT	RESULT (positive / negative)

Note: write ‘positive’ result if suspect's sample matches crime scene

BRIEF CONCLUSION:

Describe conclusions that can and cannot be drawn from the results:

(Winning classes will be required to submit all Forensic Analysis Report forms!)



CLUE 4: FIBRE SPECIMENS



CASE DESCRIPTION: **“Planet Science Whodunit?”**

EVIDENCE: **Seized fabric samples from suspects’ clothing**

TEAM NAME: _____

DATE OF ANALYSIS: _____

TIME OF ANALYSIS: _____

RESULTS OF ANALYSIS:

Briefly describe the crime scene evidence and any visible identifying features:

COMPARISON OF SUSPECTS' SAMPLES:

SUSPECT	RESULT (positive / negative)

Note: write ‘positive’ result if suspect sample matches crime scene

BRIEF CONCLUSION:

Describe conclusions that can and cannot be drawn from the results:

(Winning classes will be required to submit all Forensic Analysis Report forms!)



INCIDENT REPORT FORM



DATE: 11th of May 2003
TIME: Reported at 13:40 hours
LOCATION: Centenary Square, Birmingham
DESCRIPTION: Guitar stolen from backstage area
VICTIM: 'BUSTED' guitarist James Bourne
EYEWITNESSES: None
SUSPECTS: 1) S CLUB 2) MS DYNAMITE 3) BLAZIN' SQUAD
4) JAMES BEATTIE 5) ZACH SHAW

DETAILS:

At 13:40 hours, on 11th May 2003, a guitar belonging to 'BUSTED' guitarist James Bourne was reported missing.

The guitar was last seen in a backstage storeroom at a private concert in Centenary Square, Birmingham. 'BUSTED' reported the incident immediately after post-concert interviews.

The storeroom was protected by a backstage swipe card access system. The band discovered that their swipe card was missing after the interviews when they returned to the storeroom. The theft was discovered when a security guard's swipe card was used to enter the room.

No eyewitnesses have come forward. The security guard immediately contacted authorities and secured the crime scene until investigators arrived.

Crime scene investigators found several pieces of evidence inside the crime scene (refer to crime scene map for locations):

1. The missing swipe card issued to 'BUSTED' (with Serial No: 903321674)
2. A handwritten note on the back of an invitation sent only to the VIP guests. The note reads "I'VE GOT IT!". The VIP guest list has been used to draw up the list of suspects which includes the artists S Club, Ms Dynamite, Blazin' Squad, footballer James Beattie, and professional BMX rider Zach Shaw. All suspects were in attendance at a party in the backstage reception and interview area until at least 1300 hours and left the backstage area unattended at unconfirmed times. Reliable alibis and routes travelled have been established by questioning and await further investigation.
3. A conspicuous white fibre, possibly originating from the culprit's clothing. All BUSTED members and security staff with access to the storeroom were wearing black clothing on the day of the incident.
4. During the BUSTED interviews, cleaners treated the carpeted area adjacent to the crime scene with carpet deodorising powder. The powder was found to be sodium bicarbonate (baking soda). The powder had not yet been vacuumed at the time the theft was discovered.

FORENSIC TESTS REQUESTED:

Please conduct the following forensic tests:

1. Test scrapings from suspects' shoes for presence of sodium bicarbonate.
2. Establish the time the crime scene was entered. Determine which suspects had sufficient time to commit crime and reach their alibi.
3. Compare ink chromatography results of crime scene note and suspects' pens.
4. Compare fibre found at crime scene to samples from suspects' clothing.



CRIME SCENE MAP

