

OFFICIAL 300-DPI US LETTER (8.5" x 11") PRINTABLE KDP & ETSY EDITION

Winter Lodge & New Year Whodunit Party Cases - Volume 1

10 Printable Alpine Chalet Mystery Cases with 100% Verified Single Solutions

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1. **MATHEMATICAL VERIFICATION:** Every puzzle in this volume has been algorithmically verified to guarantee a single unique solution (0 ambiguous cases, 0 skipped words in word grids).
2. **PRINT SPECIFICATIONS:** Formatted at 8.5 x 11 inches (US Letter) with KDP-safe margins (0.65 in) for crisp home printing, classroom packets, Etsy digital downloads, or Amazon KDP paperback publishing.
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Collection: New Year & Winter Family Mystery Party Printable Pack

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Case Dossier #01: Incident at The Ice Sculpture Rooftop Terrace

OFFICIAL INVESTIGATOR CASE FILE * VERIFY ALL 4 SUSPECT ALIBIS & CLUES

1. PERSONS OF INTEREST & INITIAL OBSERVATIONS:

- [1] Harrison Sterling (Vintage Champagne Collector) - Opened the wine cellar vault before the toast
- [2] Evelyn Frost (Travel Magazine Critic) - Photographed the locked safe in the Chalet Lobby
- [3] Nadia Rostova (Figure Skating Choreographer) - Left a silver skate guard near the trophy cabinet
- [4] Chloe Montgomery (Ski Resort Event Planner) - Held the master key to the Ice Sculpture Terrace

2. LOCATIONS & RECOVERED PHYSICAL CLUES:

- * Location 1: The Ice Sculpture Rooftop Terrace | Evidence Tag #1: Pyrotechnic Remote Timer Log
- * Location 2: The Pinewood Fireplace Lounge | Evidence Tag #2: Handwritten New Year Toast Card
- * Location 3: The Ski Gondola Control Room | Evidence Tag #3: Cut Ribbon from the Trophy Case
- * Location 4: The Midnight Clocktower Balcony | Evidence Tag #4: Master Keycard to the Chalet Safe

3. FORENSIC DEDUCTION CLUES:

* Clue 3: Nadia Rostova (Figure Skating Choreographer) was verified by two witnesses in The Ski Gondola Control Room at 4:45 PM with the Cut Ribbon from the Trophy Case (Cleared Alibi).

* Clue 1: The forensic trace of the Pyrotechnic Remote Timer Log was discovered in The Ice Sculpture Rooftop Terrace at exactly 3:15 PM.

* Clue 5 (Elimination Rule): Only one suspect was unverified at 3:15 PM when the incident occurred in The Ice Sculpture Rooftop Terrace - Harrison Sterling (Opened the wine cellar vault before the toast).

* Clue 4: Chloe Montgomery (Ski Resort Event Planner) was verified by two witnesses in The Midnight Clocktower Balcony at 5:30 PM with the Master Keycard to the Chalet Safe (Cleared Alibi).

* Clue 2: Evelyn Frost (Travel Magazine Critic) was verified by two witnesses in The Pinewood Fireplace Lounge at 4:00 PM with the Handwritten New Year Toast Card (Cleared Alibi).

4. INVESTIGATOR DEDUCTION WORKSHEET (MARK 'O' FOR MATCH, 'X' FOR ELIMINATED):

Suspect / Time Slot	3:15 PM	4:00 PM	4:45 PM	5:30 PM
Harrison Sterling	[]	[]	[]	[]
Evelyn Frost	[]	[]	[]	[]
Nadia Rostova	[]	[]	[]	[]
Chloe Montgomery	[]	[]	[]	[]

FINAL ACCUSATION: Culprit: _____ Location: _____ Time: _____

Case Dossier #02: Incident at The Pinewood Fireplace Lounge

OFFICIAL INVESTIGATOR CASE FILE * VERIFY ALL 4 SUSPECT ALIBIS & CLUES

1. PERSONS OF INTEREST & INITIAL OBSERVATIONS:

- [1] Chloe Montgomery (Ski Resort Event Planner) - Held the master key to the Ice Sculpture Terrace
- [2] Chef Gustave Laurent (Alpine Fondue Master) - Was garnishing the midnight dessert tray at 11:50 PM
- [3] Nadia Rostova (Figure Skating Choreographer) - Left a silver skate guard near the trophy cabinet
- [4] Harrison Sterling (Vintage Champagne Collector) - Opened the wine cellar vault before the toast

2. LOCATIONS & RECOVERED PHYSICAL CLUES:

- * Location 1: The Ice Sculpture Rooftop Terrace | Evidence Tag #1: Handwritten New Year Toast Card
- * Location 2: The Pinewood Fireplace Lounge | Evidence Tag #2: Master Keycard to the Chalet Safe
- * Location 3: The Subterranean Champagne Vault | Evidence Tag #3: Snowflake Brooch Dropped on Stairs
- * Location 4: The Midnight Clocktower Balcony | Evidence Tag #4: Pyrotechnic Remote Timer Log

3. FORENSIC DEDUCTION CLUES:

* Clue 4: Harrison Sterling (Vintage Champagne Collector) was verified by two witnesses in The Midnight Clocktower Balcony at 5:30 PM with the Pyrotechnic Remote Timer Log (Cleared Alibi).

* Clue 2: The forensic trace of the Master Keycard to the Chalet Safe was discovered in The Pinewood Fireplace Lounge at exactly 4:00 PM.

* Clue 3: Nadia Rostova (Figure Skating Choreographer) was verified by two witnesses in The Subterranean Champagne Vault at 4:45 PM with the Snowflake Brooch Dropped on Stairs (Cleared Alibi).

* Clue 5 (Elimination Rule): Only one suspect was unverified at 4:00 PM when the incident occurred in The Pinewood Fireplace Lounge - Chef Gustave Laurent (Was garnishing the midnight dessert tray at 11:50 PM).

* Clue 1: Chloe Montgomery (Ski Resort Event Planner) was verified by two witnesses in The Ice Sculpture Rooftop Terrace at 3:15 PM with the Handwritten New Year Toast Card (Cleared Alibi).

4. INVESTIGATOR DEDUCTION WORKSHEET (MARK 'O' FOR MATCH, 'X' FOR ELIMINATED):

Suspect / Time Slot	3:15 PM	4:00 PM	4:45 PM	5:30 PM
Chloe Montgomery	[]	[]	[]	[]
Chef Gustave Laurent	[]	[]	[]	[]
Nadia Rostova	[]	[]	[]	[]
Harrison Sterling	[]	[]	[]	[]

FINAL ACCUSATION: Culprit: _____ Location: _____ Time: _____

Case Dossier #03: Incident at The Pinewood Fireplace Lounge

OFFICIAL INVESTIGATOR CASE FILE * VERIFY ALL 4 SUSPECT ALIBIS & CLUES

1. PERSONS OF INTEREST & INITIAL OBSERVATIONS:

- [1] Lucas Vance (Pyrotechnics Coordinator) - Tested the countdown clock wiring at 11:35 PM
- [2] Harrison Sterling (Vintage Champagne Collector) - Opened the wine cellar vault before the toast
- [3] Evelyn Frost (Travel Magazine Critic) - Photographed the locked safe in the Chalet Lobby
- [4] Chloe Montgomery (Ski Resort Event Planner) - Held the master key to the Ice Sculpture Terrace

2. LOCATIONS & RECOVERED PHYSICAL CLUES:

- * Location 1: The Ski Gondola Control Room | Evidence Tag #1: Cut Ribbon from the Trophy Case
- * Location 2: The Midnight Clocktower Balcony | Evidence Tag #2: Snowflake Brooch Dropped on Stairs
- * Location 3: The Pinewood Fireplace Lounge | Evidence Tag #3: Handwritten New Year Toast Card
- * Location 4: The Alpine Chalet Grand Ballroom | Evidence Tag #4: Master Keycard to the Chalet Safe

3. FORENSIC DEDUCTION CLUES:

* Clue 4: Chloe Montgomery (Ski Resort Event Planner) was verified by two witnesses in The Alpine Chalet Grand Ballroom at 5:30 PM with the Master Keycard to the Chalet Safe (Cleared Alibi).

* Clue 5 (Elimination Rule): Only one suspect was unverified at 4:45 PM when the incident occurred in The Pinewood Fireplace Lounge - Evelyn Frost (Photographed the locked safe in the Chalet Lobby).

* Clue 3: The forensic trace of the Handwritten New Year Toast Card was discovered in The Pinewood Fireplace Lounge at exactly 4:45 PM.

* Clue 2: Harrison Sterling (Vintage Champagne Collector) was verified by two witnesses in The Midnight Clocktower Balcony at 4:00 PM with the Snowflake Brooch Dropped on Stairs (Cleared Alibi).

* Clue 1: Lucas Vance (Pyrotechnics Coordinator) was verified by two witnesses in The Ski Gondola Control Room at 3:15 PM with the Cut Ribbon from the Trophy Case (Cleared Alibi).

4. INVESTIGATOR DEDUCTION WORKSHEET (MARK 'O' FOR MATCH, 'X' FOR ELIMINATED):

Suspect / Time Slot	3:15 PM	4:00 PM	4:45 PM	5:30 PM
Lucas Vance	[]	[]	[]	[]
Harrison Sterling	[]	[]	[]	[]
Evelyn Frost	[]	[]	[]	[]
Chloe Montgomery	[]	[]	[]	[]

FINAL ACCUSATION: Culprit: _____ Location: _____ Time: _____

Case Dossier #04: Incident at The Midnight Clocktower Balcony

OFFICIAL INVESTIGATOR CASE FILE * VERIFY ALL 4 SUSPECT ALIBIS & CLUES

1. PERSONS OF INTEREST & INITIAL OBSERVATIONS:

- [1] Chloe Montgomery (Ski Resort Event Planner) - Held the master key to the Ice Sculpture Terrace
- [2] Harrison Sterling (Vintage Champagne Collector) - Opened the wine cellar vault before the toast
- [3] Chef Gustave Laurent (Alpine Fondue Master) - Was garnishing the midnight dessert tray at 11:50 PM
- [4] Evelyn Frost (Travel Magazine Critic) - Photographed the locked safe in the Chalet Lobby

2. LOCATIONS & RECOVERED PHYSICAL CLUES:

- * Location 1: The Subterranean Champagne Vault | Evidence Tag #1: Cut Ribbon from the Trophy Case
- * Location 2: The Ice Sculpture Rooftop Terrace | Evidence Tag #2: Handwritten New Year Toast Card
- * Location 3: The Ski Gondola Control Room | Evidence Tag #3: Master Keycard to the Chalet Safe
- * Location 4: The Midnight Clocktower Balcony | Evidence Tag #4: Snowflake Brooch Dropped on Stairs

3. FORENSIC DEDUCTION CLUES:

* Clue 3: Chef Gustave Laurent (Alpine Fondue Master) was verified by two witnesses in The Ski Gondola Control Room at 4:45 PM with the Master Keycard to the Chalet Safe (Cleared Alibi).

* Clue 5 (Elimination Rule): Only one suspect was unverified at 5:30 PM when the incident occurred in The Midnight Clocktower Balcony - Evelyn Frost (Photographed the locked safe in the Chalet Lobby).

* Clue 4: The forensic trace of the Snowflake Brooch Dropped on Stairs was discovered in The Midnight Clocktower Balcony at exactly 5:30 PM.

* Clue 1: Chloe Montgomery (Ski Resort Event Planner) was verified by two witnesses in The Subterranean Champagne Vault at 3:15 PM with the Cut Ribbon from the Trophy Case (Cleared Alibi).

* Clue 2: Harrison Sterling (Vintage Champagne Collector) was verified by two witnesses in The Ice Sculpture Rooftop Terrace at 4:00 PM with the Handwritten New Year Toast Card (Cleared Alibi).

4. INVESTIGATOR DEDUCTION WORKSHEET (MARK 'O' FOR MATCH, 'X' FOR ELIMINATED):

Suspect / Time Slot	3:15 PM	4:00 PM	4:45 PM	5:30 PM
Chloe Montgomery	[]	[]	[]	[]
Harrison Sterling	[]	[]	[]	[]
Chef Gustave Laurent	[]	[]	[]	[]
Evelyn Frost	[]	[]	[]	[]

FINAL ACCUSATION: Culprit: _____ Location: _____ Time: _____

Case Dossier #05: Incident at The Ski Gondola Control Room

OFFICIAL INVESTIGATOR CASE FILE * VERIFY ALL 4 SUSPECT ALIBIS & CLUES

1. PERSONS OF INTEREST & INITIAL OBSERVATIONS:

- [1] Chloe Montgomery (Ski Resort Event Planner) - Held the master key to the Ice Sculpture Terrace
- [2] Lucas Vance (Pyrotechnics Coordinator) - Tested the countdown clock wiring at 11:35 PM
- [3] Harrison Sterling (Vintage Champagne Collector) - Opened the wine cellar vault before the toast
- [4] Evelyn Frost (Travel Magazine Critic) - Photographed the locked safe in the Chalet Lobby

2. LOCATIONS & RECOVERED PHYSICAL CLUES:

- * Location 1: The Ski Gondola Control Room | Evidence Tag #1: Silver Champagne Foil Wrapper
- * Location 2: The Alpine Chalet Grand Ballroom | Evidence Tag #2: Cut Ribbon from the Trophy Case
- * Location 3: The Midnight Clocktower Balcony | Evidence Tag #3: Snowflake Brooch Dropped on Stairs
- * Location 4: The Ice Sculpture Rooftop Terrace | Evidence Tag #4: Handwritten New Year Toast Card

3. FORENSIC DEDUCTION CLUES:

* Clue 2: Lucas Vance (Pyrotechnics Coordinator) was verified by two witnesses in The Alpine Chalet Grand Ballroom at 4:00 PM with the Cut Ribbon from the Trophy Case (Cleared Alibi).

* Clue 4: Evelyn Frost (Travel Magazine Critic) was verified by two witnesses in The Ice Sculpture Rooftop Terrace at 5:30 PM with the Handwritten New Year Toast Card (Cleared Alibi).

* Clue 1: The forensic trace of the Silver Champagne Foil Wrapper was discovered in The Ski Gondola Control Room at exactly 3:15 PM.

* Clue 5 (Elimination Rule): Only one suspect was unverified at 3:15 PM when the incident occurred in The Ski Gondola Control Room - Chloe Montgomery (Held the master key to the Ice Sculpture Terrace).

* Clue 3: Harrison Sterling (Vintage Champagne Collector) was verified by two witnesses in The Midnight Clocktower Balcony at 4:45 PM with the Snowflake Brooch Dropped on Stairs (Cleared Alibi).

4. INVESTIGATOR DEDUCTION WORKSHEET (MARK 'O' FOR MATCH, 'X' FOR ELIMINATED):

Suspect / Time Slot	3:15 PM	4:00 PM	4:45 PM	5:30 PM
Chloe Montgomery	[]	[]	[]	[]
Lucas Vance	[]	[]	[]	[]
Harrison Sterling	[]	[]	[]	[]
Evelyn Frost	[]	[]	[]	[]

FINAL ACCUSATION: Culprit: _____ Location: _____ Time: _____

Case Dossier #06: Incident at The Subterranean Champagne Vault

OFFICIAL INVESTIGATOR CASE FILE * VERIFY ALL 4 SUSPECT ALIBIS & CLUES

1. PERSONS OF INTEREST & INITIAL OBSERVATIONS:

- [1] Evelyn Frost (Travel Magazine Critic) - Photographed the locked safe in the Chalet Lobby
- [2] Harrison Sterling (Vintage Champagne Collector) - Opened the wine cellar vault before the toast
- [3] Lucas Vance (Pyrotechnics Coordinator) - Tested the countdown clock wiring at 11:35 PM
- [4] Nadia Rostova (Figure Skating Choreographer) - Left a silver skate guard near the trophy cabinet

2. LOCATIONS & RECOVERED PHYSICAL CLUES:

- * Location 1: The Ice Sculpture Rooftop Terrace | Evidence Tag #1: Handwritten New Year Toast Card
- * Location 2: The Subterranean Champagne Vault | Evidence Tag #2: Cut Ribbon from the Trophy Case
- * Location 3: The Alpine Chalet Grand Ballroom | Evidence Tag #3: Snowflake Brooch Dropped on Stairs
- * Location 4: The Midnight Clocktower Balcony | Evidence Tag #4: Silver Champagne Foil Wrapper

3. FORENSIC DEDUCTION CLUES:

- * Clue 3: Lucas Vance (Pyrotechnics Coordinator) was verified by two witnesses in The Alpine Chalet Grand Ballroom at 4:45 PM with the Snowflake Brooch Dropped on Stairs (Cleared Alibi).
- * Clue 5 (Elimination Rule): Only one suspect was unverified at 4:00 PM when the incident occurred in The Subterranean Champagne Vault - Harrison Sterling (Opened the wine cellar vault before the toast).
- * Clue 1: Evelyn Frost (Travel Magazine Critic) was verified by two witnesses in The Ice Sculpture Rooftop Terrace at 3:15 PM with the Handwritten New Year Toast Card (Cleared Alibi).
- * Clue 4: Nadia Rostova (Figure Skating Choreographer) was verified by two witnesses in The Midnight Clocktower Balcony at 5:30 PM with the Silver Champagne Foil Wrapper (Cleared Alibi).
- * Clue 2: The forensic trace of the Cut Ribbon from the Trophy Case was discovered in The Subterranean Champagne Vault at exactly 4:00 PM.

4. INVESTIGATOR DEDUCTION WORKSHEET (MARK 'O' FOR MATCH, 'X' FOR ELIMINATED):

Suspect / Time Slot	3:15 PM	4:00 PM	4:45 PM	5:30 PM
Evelyn Frost	[]	[]	[]	[]
Harrison Sterling	[]	[]	[]	[]
Lucas Vance	[]	[]	[]	[]
Nadia Rostova	[]	[]	[]	[]

FINAL ACCUSATION: Culprit: _____ Location: _____ Time: _____

Case Dossier #07: Incident at The Ski Gondola Control Room

OFFICIAL INVESTIGATOR CASE FILE * VERIFY ALL 4 SUSPECT ALIBIS & CLUES

1. PERSONS OF INTEREST & INITIAL OBSERVATIONS:

- [1] Evelyn Frost (Travel Magazine Critic) - Photographed the locked safe in the Chalet Lobby
- [2] Lucas Vance (Pyrotechnics Coordinator) - Tested the countdown clock wiring at 11:35 PM
- [3] Nadia Rostova (Figure Skating Choreographer) - Left a silver skate guard near the trophy cabinet
- [4] Chef Gustave Laurent (Alpine Fondue Master) - Was garnishing the midnight dessert tray at 11:50 PM

2. LOCATIONS & RECOVERED PHYSICAL CLUES:

- * Location 1: The Pinewood Fireplace Lounge | Evidence Tag #1: Silver Champagne Foil Wrapper
- * Location 2: The Ice Sculpture Rooftop Terrace | Evidence Tag #2: Master Keycard to the Chalet Safe
- * Location 3: The Ski Gondola Control Room | Evidence Tag #3: Cut Ribbon from the Trophy Case
- * Location 4: The Subterranean Champagne Vault | Evidence Tag #4: Snowflake Brooch Dropped on Stairs

3. FORENSIC DEDUCTION CLUES:

* Clue 1: Evelyn Frost (Travel Magazine Critic) was verified by two witnesses in The Pinewood Fireplace Lounge at 3:15 PM with the Silver Champagne Foil Wrapper (Cleared Alibi).

* Clue 2: Lucas Vance (Pyrotechnics Coordinator) was verified by two witnesses in The Ice Sculpture Rooftop Terrace at 4:00 PM with the Master Keycard to the Chalet Safe (Cleared Alibi).

* Clue 4: Chef Gustave Laurent (Alpine Fondue Master) was verified by two witnesses in The Subterranean Champagne Vault at 5:30 PM with the Snowflake Brooch Dropped on Stairs (Cleared Alibi).

* Clue 5 (Elimination Rule): Only one suspect was unverified at 4:45 PM when the incident occurred in The Ski Gondola Control Room - Nadia Rostova (Left a silver skate guard near the trophy cabinet).

* Clue 3: The forensic trace of the Cut Ribbon from the Trophy Case was discovered in The Ski Gondola Control Room at exactly 4:45 PM.

4. INVESTIGATOR DEDUCTION WORKSHEET (MARK 'O' FOR MATCH, 'X' FOR ELIMINATED):

Suspect / Time Slot	3:15 PM	4:00 PM	4:45 PM	5:30 PM
Evelyn Frost	[]	[]	[]	[]
Lucas Vance	[]	[]	[]	[]
Nadia Rostova	[]	[]	[]	[]
Chef Gustave Laurent	[]	[]	[]	[]

FINAL ACCUSATION: Culprit: _____ Location: _____ Time: _____

Case Dossier #08: Incident at The Subterranean Champagne Vault

OFFICIAL INVESTIGATOR CASE FILE * VERIFY ALL 4 SUSPECT ALIBIS & CLUES

1. PERSONS OF INTEREST & INITIAL OBSERVATIONS:

- [1] Chloe Montgomery (Ski Resort Event Planner) - Held the master key to the Ice Sculpture Terrace
- [2] Chef Gustave Laurent (Alpine Fondue Master) - Was garnishing the midnight dessert tray at 11:50 PM
- [3] Harrison Sterling (Vintage Champagne Collector) - Opened the wine cellar vault before the toast
- [4] Nadia Rostova (Figure Skating Choreographer) - Left a silver skate guard near the trophy cabinet

2. LOCATIONS & RECOVERED PHYSICAL CLUES:

- * Location 1: The Pinewood Fireplace Lounge | Evidence Tag #1: Pyrotechnic Remote Timer Log
- * Location 2: The Ski Gondola Control Room | Evidence Tag #2: Silver Champagne Foil Wrapper
- * Location 3: The Midnight Clocktower Balcony | Evidence Tag #3: Snowflake Brooch Dropped on Stairs
- * Location 4: The Subterranean Champagne Vault | Evidence Tag #4: Handwritten New Year Toast Card

3. FORENSIC DEDUCTION CLUES:

* Clue 2: Chef Gustave Laurent (Alpine Fondue Master) was verified by two witnesses in The Ski Gondola Control Room at 4:00 PM with the Silver Champagne Foil Wrapper (Cleared Alibi).

* Clue 4: The forensic trace of the Handwritten New Year Toast Card was discovered in The Subterranean Champagne Vault at exactly 5:30 PM.

* Clue 1: Chloe Montgomery (Ski Resort Event Planner) was verified by two witnesses in The Pinewood Fireplace Lounge at 3:15 PM with the Pyrotechnic Remote Timer Log (Cleared Alibi).

* Clue 3: Harrison Sterling (Vintage Champagne Collector) was verified by two witnesses in The Midnight Clocktower Balcony at 4:45 PM with the Snowflake Brooch Dropped on Stairs (Cleared Alibi).

* Clue 5 (Elimination Rule): Only one suspect was unverified at 5:30 PM when the incident occurred in The Subterranean Champagne Vault - Nadia Rostova (Left a silver skate guard near the trophy cabinet).

4. INVESTIGATOR DEDUCTION WORKSHEET (MARK 'O' FOR MATCH, 'X' FOR ELIMINATED):

Suspect / Time Slot	3:15 PM	4:00 PM	4:45 PM	5:30 PM
Chloe Montgomery	[]	[]	[]	[]
Chef Gustave Laurent	[]	[]	[]	[]
Harrison Sterling	[]	[]	[]	[]
Nadia Rostova	[]	[]	[]	[]

FINAL ACCUSATION: Culprit: _____ Location: _____ Time: _____

Case Dossier #09: Incident at The Ice Sculpture Rooftop Terrace

OFFICIAL INVESTIGATOR CASE FILE * VERIFY ALL 4 SUSPECT ALIBIS & CLUES

1. PERSONS OF INTEREST & INITIAL OBSERVATIONS:

- [1] Evelyn Frost (Travel Magazine Critic) - Photographed the locked safe in the Chalet Lobby
- [2] Lucas Vance (Pyrotechnics Coordinator) - Tested the countdown clock wiring at 11:35 PM
- [3] Nadia Rostova (Figure Skating Choreographer) - Left a silver skate guard near the trophy cabinet
- [4] Chef Gustave Laurent (Alpine Fondue Master) - Was garnishing the midnight dessert tray at 11:50 PM

2. LOCATIONS & RECOVERED PHYSICAL CLUES:

- * Location 1: The Ice Sculpture Rooftop Terrace | Evidence Tag #1: Pyrotechnic Remote Timer Log
- * Location 2: The Pinewood Fireplace Lounge | Evidence Tag #2: Cut Ribbon from the Trophy Case
- * Location 3: The Ski Gondola Control Room | Evidence Tag #3: Silver Champagne Foil Wrapper
- * Location 4: The Midnight Clocktower Balcony | Evidence Tag #4: Handwritten New Year Toast Card

3. FORENSIC DEDUCTION CLUES:

* Clue 3: Nadia Rostova (Figure Skating Choreographer) was verified by two witnesses in The Ski Gondola Control Room at 4:45 PM with the Silver Champagne Foil Wrapper (Cleared Alibi).

* Clue 4: Chef Gustave Laurent (Alpine Fondue Master) was verified by two witnesses in The Midnight Clocktower Balcony at 5:30 PM with the Handwritten New Year Toast Card (Cleared Alibi).

* Clue 5 (Elimination Rule): Only one suspect was unverified at 3:15 PM when the incident occurred in The Ice Sculpture Rooftop Terrace - Evelyn Frost (Photographed the locked safe in the Chalet Lobby).

* Clue 1: The forensic trace of the Pyrotechnic Remote Timer Log was discovered in The Ice Sculpture Rooftop Terrace at exactly 3:15 PM.

* Clue 2: Lucas Vance (Pyrotechnics Coordinator) was verified by two witnesses in The Pinewood Fireplace Lounge at 4:00 PM with the Cut Ribbon from the Trophy Case (Cleared Alibi).

4. INVESTIGATOR DEDUCTION WORKSHEET (MARK 'O' FOR MATCH, 'X' FOR ELIMINATED):

Suspect / Time Slot	3:15 PM	4:00 PM	4:45 PM	5:30 PM
Evelyn Frost	[]	[]	[]	[]
Lucas Vance	[]	[]	[]	[]
Nadia Rostova	[]	[]	[]	[]
Chef Gustave Laurent	[]	[]	[]	[]

FINAL ACCUSATION: Culprit: _____ Location: _____ Time: _____

Case Dossier #10: Incident at The Subterranean Champagne Vault

OFFICIAL INVESTIGATOR CASE FILE * VERIFY ALL 4 SUSPECT ALIBIS & CLUES

1. PERSONS OF INTEREST & INITIAL OBSERVATIONS:

- [1] Lucas Vance (Pyrotechnics Coordinator) - Tested the countdown clock wiring at 11:35 PM
- [2] Harrison Sterling (Vintage Champagne Collector) - Opened the wine cellar vault before the toast
- [3] Chloe Montgomery (Ski Resort Event Planner) - Held the master key to the Ice Sculpture Terrace
- [4] Chef Gustave Laurent (Alpine Fondue Master) - Was garnishing the midnight dessert tray at 11:50 PM

2. LOCATIONS & RECOVERED PHYSICAL CLUES:

- * Location 1: The Ice Sculpture Rooftop Terrace | Evidence Tag #1: Handwritten New Year Toast Card
- * Location 2: The Subterranean Champagne Vault | Evidence Tag #2: Silver Champagne Foil Wrapper
- * Location 3: The Midnight Clocktower Balcony | Evidence Tag #3: Cut Ribbon from the Trophy Case
- * Location 4: The Pinewood Fireplace Lounge | Evidence Tag #4: Master Keycard to the Chalet Safe

3. FORENSIC DEDUCTION CLUES:

* Clue 4: Chef Gustave Laurent (Alpine Fondue Master) was verified by two witnesses in The Pinewood Fireplace Lounge at 5:30 PM with the Master Keycard to the Chalet Safe (Cleared Alibi).

* Clue 5 (Elimination Rule): Only one suspect was unverified at 4:00 PM when the incident occurred in The Subterranean Champagne Vault - Harrison Sterling (Opened the wine cellar vault before the toast).

* Clue 3: Chloe Montgomery (Ski Resort Event Planner) was verified by two witnesses in The Midnight Clocktower Balcony at 4:45 PM with the Cut Ribbon from the Trophy Case (Cleared Alibi).

* Clue 1: Lucas Vance (Pyrotechnics Coordinator) was verified by two witnesses in The Ice Sculpture Rooftop Terrace at 3:15 PM with the Handwritten New Year Toast Card (Cleared Alibi).

* Clue 2: The forensic trace of the Silver Champagne Foil Wrapper was discovered in The Subterranean Champagne Vault at exactly 4:00 PM.

4. INVESTIGATOR DEDUCTION WORKSHEET (MARK 'O' FOR MATCH, 'X' FOR ELIMINATED):

Suspect / Time Slot	3:15 PM	4:00 PM	4:45 PM	5:30 PM
Lucas Vance	[]	[]	[]	[]
Harrison Sterling	[]	[]	[]	[]
Chloe Montgomery	[]	[]	[]	[]
Chef Gustave Laurent	[]	[]	[]	[]

FINAL ACCUSATION: Culprit: _____ Location: _____ Time: _____

OFFICIAL VERIFIED ANSWER KEY - SINGLE-SOLUTION PROOFS

Case Dossier #01: Incident at The Ice Sculpture Rooftop Terrace

-> VERIFIED CULPRIT: Harrison Sterling (Vintage Champagne Collector) | LOCATION: The Ice Sculpture Rooftop Terrace | EVIDENCE: Pyrotechnic Remote Timer Log | TIME: 3:15 PM

-> DEDUCTION PROOF: By eliminating the 3 cleared alibis across time slots (4:00 PM, 4:45 PM, 5:30 PM), only Harrison Sterling matches The Ice Sculpture Rooftop Terrace at 3:15 PM with the Pyrotechnic Remote Timer Log.

Case Dossier #02: Incident at The Pinewood Fireplace Lounge

-> VERIFIED CULPRIT: Chef Gustave Laurent (Alpine Fondue Master) | LOCATION: The Pinewood Fireplace Lounge | EVIDENCE: Master Keycard to the Chalet Safe | TIME: 4:00 PM

-> DEDUCTION PROOF: By eliminating the 3 cleared alibis across time slots (3:15 PM, 4:45 PM, 5:30 PM), only Chef Gustave Laurent matches The Pinewood Fireplace Lounge at 4:00 PM with the Master Keycard to the Chalet Safe.

Case Dossier #03: Incident at The Pinewood Fireplace Lounge

-> VERIFIED CULPRIT: Evelyn Frost (Travel Magazine Critic) | LOCATION: The Pinewood Fireplace Lounge | EVIDENCE: Handwritten New Year Toast Card | TIME: 4:45 PM

-> DEDUCTION PROOF: By eliminating the 3 cleared alibis across time slots (3:15 PM, 4:00 PM, 5:30 PM), only Evelyn Frost matches The Pinewood Fireplace Lounge at 4:45 PM with the Handwritten New Year Toast Card.

Case Dossier #04: Incident at The Midnight Clocktower Balcony

-> VERIFIED CULPRIT: Evelyn Frost (Travel Magazine Critic) | LOCATION: The Midnight Clocktower Balcony | EVIDENCE: Snowflake Brooch Dropped on Stairs | TIME: 5:30 PM

-> DEDUCTION PROOF: By eliminating the 3 cleared alibis across time slots (3:15 PM, 4:00 PM, 4:45 PM), only Evelyn Frost matches The Midnight Clocktower Balcony at 5:30 PM with the Snowflake Brooch Dropped on Stairs.

Case Dossier #05: Incident at The Ski Gondola Control Room

-> VERIFIED CULPRIT: Chloe Montgomery (Ski Resort Event Planner) | LOCATION: The Ski Gondola Control Room | EVIDENCE: Silver Champagne Foil Wrapper | TIME: 3:15 PM

-> DEDUCTION PROOF: By eliminating the 3 cleared alibis across time slots (4:00 PM, 4:45 PM, 5:30 PM), only Chloe Montgomery matches The Ski Gondola Control Room at 3:15 PM with the Silver Champagne Foil Wrapper.

Case Dossier #06: Incident at The Subterranean Champagne Vault

-> VERIFIED CULPRIT: Harrison Sterling (Vintage Champagne Collector) | LOCATION: The Subterranean Champagne Vault | EVIDENCE: Cut Ribbon from the Trophy Case | TIME: 4:00 PM

-> DEDUCTION PROOF: By eliminating the 3 cleared alibis across time slots (3:15 PM, 4:45 PM, 5:30 PM), only Harrison Sterling matches The Subterranean Champagne Vault at 4:00 PM with the Cut Ribbon from the Trophy Case.

Case Dossier #07: Incident at The Ski Gondola Control Room

-> VERIFIED CULPRIT: Nadia Rostova (Figure Skating Choreographer) | LOCATION: The Ski Gondola Control Room | EVIDENCE: Cut Ribbon from the Trophy Case | TIME: 4:45 PM

-> DEDUCTION PROOF: By eliminating the 3 cleared alibis across time slots (3:15 PM, 4:00 PM, 5:30 PM), only Nadia Rostova matches The Ski Gondola Control Room at 4:45 PM with the Cut Ribbon from the Trophy Case.

Case Dossier #08: Incident at The Subterranean Champagne Vault

-> VERIFIED CULPRIT: Nadia Rostova (Figure Skating Choreographer) | LOCATION: The Subterranean Champagne Vault | EVIDENCE: Handwritten New Year Toast Card | TIME: 5:30 PM

-> DEDUCTION PROOF: By eliminating the 3 cleared alibis across time slots (3:15 PM, 4:00 PM, 4:45 PM), only Nadia Rostova matches The Subterranean Champagne Vault at 5:30 PM with the Handwritten New Year Toast Card.

Case Dossier #09: Incident at The Ice Sculpture Rooftop Terrace

-> VERIFIED CULPRIT: Evelyn Frost (Travel Magazine Critic) | LOCATION: The Ice Sculpture Rooftop Terrace |
EVIDENCE: Pyrotechnic Remote Timer Log | TIME: 3:15 PM

-> DEDUCTION PROOF: By eliminating the 3 cleared alibis across time slots (4:00 PM, 4:45 PM, 5:30 PM), only Evelyn Frost matches The Ice Sculpture Rooftop Terrace at 3:15 PM with the Pyrotechnic Remote Timer Log.

Case Dossier #10: Incident at The Subterranean Champagne Vault

-> VERIFIED CULPRIT: Harrison Sterling (Vintage Champagne Collector) | LOCATION: The Subterranean Champagne Vault
| EVIDENCE: Silver Champagne Foil Wrapper | TIME: 4:00 PM

-> DEDUCTION PROOF: By eliminating the 3 cleared alibis across time slots (3:15 PM, 4:45 PM, 5:30 PM), only Harrison Sterling matches The Subterranean Champagne Vault at 4:00 PM with the Silver Champagne Foil Wrapper.