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Detectives on the Case \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Detective Pay Scale

|  |  |  |  |
| --- | --- | --- | --- |
| 4 | 3 | 2 | 1 |
| --Detective shows perseverance and curiosity throughout the crime solving experience, tries new ideas, and is optimistic about solving the case-Detective records all strategies used and data recorded-Detective reasons with colleagues about what math will prove the suspects guilty-Detective thinks creatively and applies clever, efficient techniques to solve the crime | -Detective shows perseverance and curiosity throughout the crime solving experience, tries new ideas, and is optimistic about solving the case-Detective records all strategies used and data recorded-Detective reasons with colleagues about what math will prove the suspects guilty | -Detective shows perseverance and curiosity throughout the crime solving experience, tries new ideas, and is optimistic about solving the case. Detective receives some help from supervisors in closing the case-Detective records most strategies used and most data recorded | -Detective shows little perseverance and curiousity throughout the crime solving experience, tries few ideas-Detective receives great help and motivation from supervisors in closing the case-Detective records few strategies or data points for their group.  |

Court Justification Requirements to obtain Warrants, Further Reports

|  |  |  |  |
| --- | --- | --- | --- |
| 4 | 3 | 2 | 1 |
| -Detectives findings are clearly presented with a clear indication of who the suspects are with a clear mathematical justification-Evidence is presented efficiently, clearly, and can be summarized in one to two written sentences with an accompanying diagram.-Evidence and methods of obtaining evidence are mathematically correct and executed correctly. -Justification and reasoning for confidence in evidence is shown, used to support evidence.  | -Detectives findings are clearly presented with a clear indication of who the suspects are with a clear mathematical justification-Evidence is presented efficiently, clearly, and can be summarized in one to two written sentences with an accompanying diagram.-Evidence and methods of obtaining evidence are mathematically correct and executed correctly.  | -Detectives findings are somewhat clearly presented with a clear indication of who the suspects are with a mostly clear mathematical justification-Evidence is mostly clearly and can be summarized in three to four sentences with the help of a diagram.-Evidence and methods of obtaining evidence are mathematically correct and executed correctly.  | -Detectives findings are not clearly presented-Evidence is not clearly summarized n a few sentences or explained easily.-Evidence and methods are not mathematically correct or well executed.  |

Final Court Briefing

|  |  |  |  |
| --- | --- | --- | --- |
| 4 | 3 | 2 | 1 |
| -Case is presented in an engaging, convincing method-Presentation is finished, edited, neat, and -Each step in the case is justified with a summary of the process followed and the findings, including the mathematical justifications for such findings-Mathematical justification explaining why the methods used will hold up in the court of law | -Case is presented in an engaging, convincing method-Presentation is finished, edited, neat, and -Each step in the case is justified with a summary of the process followed and the findings, including the mathematical justifications for such findings | -Case is presented in a convincing method-Presentation is mostly finished, edited, neat, and -Each step in the case is justified with a summary of the process followed and the findings, including the mathematical justifications for such findings, with few errors.-Some help is provided by supervisors in finishing report. | -Case is not presented in a convincing method-Few steps in the case are justified with a mathematical justification |

Detective Pay Scale Tracking

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Stage 1 | Stage 2 | Stage 3 | Final Court Briefing |
| Work Hard |  |  |  |  |
| Evidence |  |  |  |  |

Stage One

Court Approval to proceed:

Suspects and Justification:

Explanation of Strategy in words:

Data Gathering and Scratch Work

Ideas from Autopsy *(Hints):*

Autopsy Report

Stage Two

Court Approval to proceed:

Suspects and Justification:

Explanation of Strategy in words:

Data Gathering and Scratch Work

Ideas from Autopsy *(Hints):*

Autopsy Report

Stage Three

Court Approval to proceed:

Suspects and Justification:

Explanation of Strategy in words:

Data Gathering and Scratch Work

Ideas from Autopsy *(Hints):*

Autopsy Report