

# Create an assignment for Key Stage 4 pupils which asks them to investigate how science is used to solve crimes.

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Title: Investigating the Role of Science in Crime Solving

Objective: To explore the various scientific techniques and technologies used in solving crimes and their significance in the criminal justice system.

## Task 1: Research

1.1 Conduct research on the different scientific techniques and technologies used in solving crimes, such as DNA profiling, fingerprint analysis, ballistics, forensic entomology, and toxicology.

1.2 Investigate the history and development of these techniques and technologies, including their limitations and challenges.

1.3 Analyze the significance of these techniques and technologies in the criminal justice system, including their impact on the investigation, prosecution, and conviction of criminals.

## Task 2: Case Study

2.1 Choose a real-life crime case that involved the use of scientific techniques and technologies in solving the crime.

2.2 Analyze the role of science in the investigation and prosecution of the case, including the techniques and technologies used, the evidence collected, and the impact on the outcome of the case.

2.3 Evaluate the ethical and legal implications of using scientific evidence in criminal investigations, including issues of privacy, consent, and reliability.

## Task 3: Presentation

3.1 Create a presentation that summarizes your research and case study findings.

3.2 Use visual aids, such as diagrams, charts, and images, to illustrate the scientific techniques and technologies used in crime solving.

3.3 Present your findings to the class, highlighting the significance of science in solving crimes and its impact on the criminal justice system.

Assessment:

Your assignment will be assessed based on the following criteria:

- The quality and depth of your research on the scientific techniques and technologies used in crime solving.
- The accuracy and relevance of your case study analysis, including the role of science in the investigation and prosecution of the case.
- The clarity and effectiveness of your presentation, including the use of visual aids and your ability to communicate your findings to the class.
- Your ability to evaluate the ethical and legal implications of using scientific evidence in criminal investigations.