

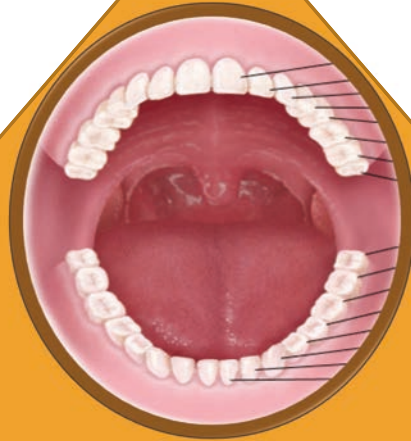


Methods used in  
the crime scene



By Musammat  
Najah Akther

# Did you know?



**The bite we produce is unique and depends on our individual dental characteristics.**

**This uniqueness is transferred and recorded in the substance where the bite mark is left.**

- One of the methods that was used to solve the crime scene was using dental records to identify people because of their teeth as they are unique just as finger fingerprints.



### What we did...

- Took the suspects dropped apple. As a crucial part of evidence that has been left behind.
- We made the suspects bite in to plastazote.
- Then we used alginate powder and mixed it with water.
- Afterwards we then immediately poured the purple paste onto their apple bite as it takes less than a minute to dry.
- After once it has settled we removed it we compared the bite impression with the plastazote.

# Why we used this method

- They look at the shape of teeth and their arrangement in the mouth, which can vary from individual to individual.
- Identification is even easier when individuals have numerous and complex dental treatments, as this gives their dentition an additional uniqueness.
- Forensic scientists working on this type of identification use the number, shape, type and placement of dental treatments such as fillings and crowns, as well as unique differences in the structure of the teeth and jaw, to reveal the person's identity.
- **Most of the time they analyse bite marks in human skin, The foods most often found are fruit such as apples, cheese and chocolate.**



# Did you know?

There are three  
types of finger  
prints

1.



Loops

2.



Whorls

3.



Arches

- The second method that was used to solve the crime scene was using fingerprints to identify people because as their fingerprint is really unique since they consists of different type of patterns.

### **How we carried out this method.**

**Firstly we placed the metal disc on the heating pad in the base of the fuming chamber.**

**Then we added a tiny amount of super glue on top of the metal disc.**

**Afterwards we attached the crocodile clip to the grille and place it over the glue disk.**

**Then we clipped the piece of evidence with the crocodile clip.**

**After that we placed cup over the base plate. So that the fuming chamber is sealed.**

**We set the power supply to 6V and connected the fuming chamber to the power supply.**

**After two minutes we stopped the power supply and removed the cup.**

**Finally we took out the piece of evidence and compared the fingerprints with the suspects.**