

Forensic Science Experiment Tips

Read below for extra tips to help you complete your science experiments.



A Very Berry DNA Extraction

- Strawberries aren't in season? Try other fruits and vegetables like kiwis, tomatoes and peaches. See your experiment guide for a complete list. Every living thing has DNA!
- Make sure your rubbing alcohol is very cold! Leave it in your freezer overnight to ensure its icy temperature.
- Take your time mashing your strawberry to break up the chunks.



Hints from Prints

- Keep paper towels or wipes handy to clean your fingers between different prints.
- Gather pieces of scrap paper ahead of time to test your fingerprints. Apply different amounts of pressure to get the best print.
- Try using different fingers. Does the print from your ring finger look different from your index finger?



Spatter Studies

- Further your spatter studies by making spatters at varying angles. Follow these steps:
 - Set up a ramp to create different angles by leaning a piece of card board against your science kit box.
 - Use your protractor to measure the angle of the ramp. The angle at which the drop hits the surface is 90° minus the angle of the ramp. Write this number on the back of a piece of scrap.
 - Drop a spatter onto this angled surface from a height of 5 inches, 10 inches, 20 inches and 30 inches, labeling each scrap of paper. How do the spatters look? How does the angle and varying height change the spatters?