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Where'd That Fake Blood Come From?

Forensic science plays a key role in society today. With the high crime rates and the number of murders that happen each year, forensics is the most important aspect in solving them. This specific forensic project will focus on how the shape of a blood spot in a spatter can determine origin of that spot. My hypothesis was that by measuring the diameter of the spot and finding the X and Y axis points that you are able to tell from what direction, height, and distance the blood came from. In this experiment, the blood material, the surface for the spatter, and the tool used to disperse remained constant. The variable changed was the point from which the fake blood originated. I measured the diameter and plugged it into an equation that I used to find the Line of Best Fit for my data. I used colored yarn to connect my blood spots with their points of origin. The data I inserted into my equations produced the same results as I had found when I measured the height myself. This proved that my hypothesis was correct and that my calculations can in fact be used to find the origin of a blood spot.