FAKE BLOOD RECIPE

Mix Together:
- 2 Tbsp. white corn syrup
- 4 tsp. water
- Red food coloring
Store at room temperature for best results.

IT'S A MATTER OF THE SPATTER

DID YOU KNOW...
- Blood acts like most other fluids—it obeys the laws of physics.
- Blood spatter experts use trigonometry, physics and common sense to make their calculations.

CAN YOU PREDICT...
Will blood dropped from different heights be of the same size and pattern?

ASSEMBLE:
- Large sheet of posterboard
- Measuring tape
- Eyedropper and Fake Blood

Fill the eyedropper with the fake blood, Release one drop onto the paper from each distance. Sketch your observations.

CAN YOU PREDICT...
Will the type of surface that blood lands on make a difference in the spatter pattern?

ASSEMBLE:
- Various surface materials
- Eyedropper and Fake Blood

From a fixed distance, drop blood onto each of the different materials. Sketch your observations.

DROP FROM 1 FT. | DROP FROM 3 FT.
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DROP FROM 5 FT. | DROP FROM 6 FT.
WOOD | CARDBOARD
PLASTIC | CONCRETE

WHAT OTHER FACTORS CAN AFFECT THE SPATTER PATTERN?
For more information, check out http://www.nfstc.org/links and click on “animations.”

Forensic scientists who specialize in bloodstain pattern interpretation have many years of training both in school and on the job to reconstruct what happened at a crime scene. Maybe this is a career for you?