Activity 1: Identifying Bloodstain Patterns

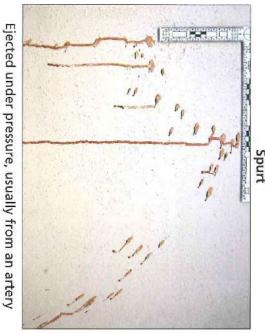
Background

surface helps in identifying the actions that initiated the flight of the blood. the force and angle of impact and the features of the surface. Analysis of the pattern formed on the struck spheroid shape. Interaction with a surface distorts a blood drop's shape in a characteristic way according to propelled through the air, either through gravity or by some impact force, it tends to form a symmetric Blood is a colloidal fluid, a suspension of materials in a viscous liquid. Like other liquids, when blood is

than free-flight droplets. Both spatter and non-spatter patterns are divided into subcategories. droplets that have struck a surface. Non-spatter bloodstains are those made by blood from sources other We categorize blood patterns as spatter and non-spatter. Blood spatter is stains formed by free-flight

Spatter Patterns

Cast-off

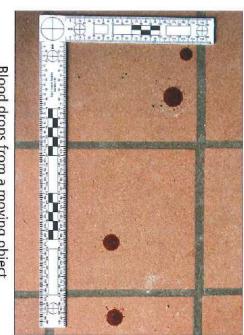


Drip trail



in motion or stops suddenly Flung from an object that is

Impact



Blood drops from a moving object



being broken up at a source by force

Images @Bevel, Gardner, and Associates 2016

Spatter Patterns, cont.

Expectorate/Mist



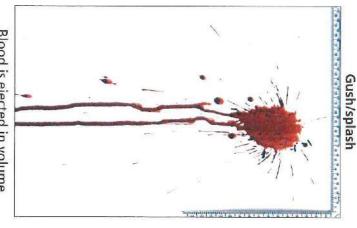
Blood forced from the mouth, nose, or respiratory system

Drips

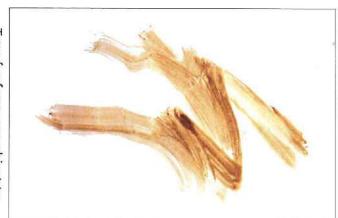
Blood drops from a stationary object

Non-spatter Patterns

Smear



Blood is ejected in volume



Transfer from one object to another through contact and lateral movement



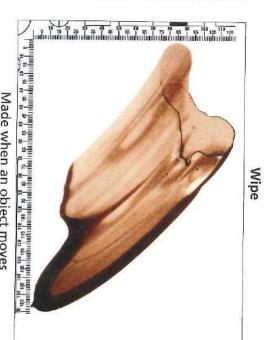
recognizable characteristic Transfer that imparts a

Images @Bevel, Gardner, and Associates 2016

Non-Spatter Patterns, cont.

Blood in blood

Drips deposited into one another

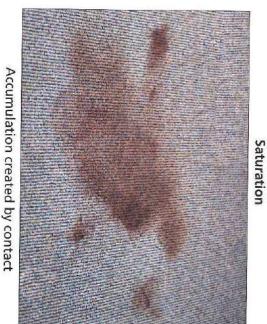


Made when an object moves through a pre-existing stain

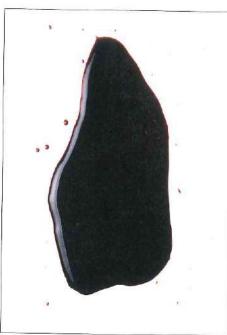
Swipe Sw

Transfer from a bloody object to another through lateral motion

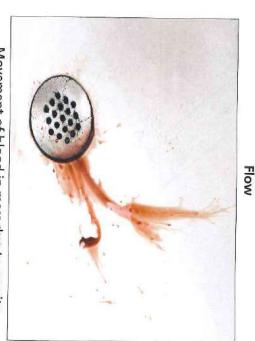
Pool



Accumulation created by contact with an absorbent material



Accumulation of blood due to gravity



Movement of blood in mass due to gravity

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