

# BLOOD SPATTER

## PACKING LIST

- ✓ Two 1-ounce vials of synthetic blood
- ✓ Twenty 24" x 30" sheets of newsprint
- ✓ One cardboard angle adjuster
- ✓ One protractor with swing arm
- ✓ One metric ruler
- ✓ Two ABFO photomacrographic scales,
- ✓ Five pipettes
- ✓ One Blood Drop Height activity chart
- ✓ One Blood Drop Angle activity chart

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# Tips & Safety

- Choose a workspace with plenty of room and a smooth work surface.
  - » For best results, work on the floor. However, a table can be used as the workspace for a subset of the activities.
- If possible, work outside on a calm day with no wind. Otherwise, work in a garage or other area where any accidental stains can be tolerated.
- Put down newspaper or plastic garbage bags to protect your workspace against stains.
- Keep tissues or paper towels handy for drips.

## Working with synthetic blood

- Synthetic blood may stain clothing and other fabrics as well as unsealed concrete.
- Do not ingest synthetic blood.
- Synthetic blood is a chemical equivalent to blood. It does not mimic the appearance of blood and cannot be used to stage crime scenes for theater or video.

## Definitions

- **Cast-off** – blood that is thrown from an object
- **Cohesion** – the act or state of uniting or sticking together
- **Convergent** – tending to come together at a point
- **Perpendicular** – at a 90 degree or right angle
- **Satellite** – a totally separate droplet from the main droplet
- **Spike** – a small extension of a droplet, still connected to the droplet
- **Surface tension** – the tendency of liquids to minimize surface area because their molecules are attracted to one another
- **Velocity** – rapidity of motion, swiftness or speed
- **Void** – an absence of stains in an otherwise continuous bloodstain

For more blood spatter info and activities, visit  
<https://forensikit.com/blood-spatter/>