

# SleuthLab — Concept Poster

*Print this and pin it up — an at-a-glance map of the SleuthLab cast and the ideas each one carries. Come back to it whenever you want to remember who teaches what.*

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## Meet the cast — and what each one teaches

| <b>Character</b> | <b>What they carry</b>                                                                                                                               |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Loop</b>      | Impression evidence — fingerprints, shoeprints, toolmarks (class vs individual evidence)                                                             |
| <b>Fiber</b>     | Trace evidence — fibers, hairs, paint, glass (Locard's exchange principle)                                                                           |
| <b>Drop</b>      | Chemical evidence — chromatography, pH, spectroscopy (test-don't-guess)                                                                              |
| <b>Stroke</b>    | Document analysis — handwriting, ink, paper (comparison methodology)                                                                                 |
| <b>Witness</b>   | Biological + digital evidence — DNA + digital footprints (statistical-match, not certainty)                                                          |
| <b>Seal</b>      | Chain of custody — bag it, label it, log every hand it passes through; a broken chain can't be trusted; otter with evidence bags + logbook           |
| <b>Sketch</b>    | Scene documentation — record the scene before anyone touches it; the scene only tells its story once; heron with a measuring notebook                |
| <b>Tick</b>      | Timeline reconstruction — put every event in order on the clock; the sequence is where the answer hides; mouse with a paper timeline                 |
| <b>Branch</b>    | Alternative explanations — ask 'what else could explain this?' and test each branch before choosing; squirrel with a whiteboard of possibilities     |
| <b>Account</b>   | Testimony reliability — ask open questions and listen; memory is fragile and a confident witness isn't always correct; rabbit with a gentle notebook |

## Key ideas at a glance

*The big concepts this cast helps you master:*

- Introduction to Forensic Science
  - Fingerprint Analysis
  - Trace Evidence
  - Chemical Evidence
  - Document Analysis
  - Biological Evidence
  - Digital Forensics
  - Case Analysis and Scientific Method
  - Detective Skills & Mystery
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## Keep exploring online

- **Play it now:** [https:// sparkanvil.org/play/sleuthlab](https://sparkanvil.org/play/sleuthlab)
- **Meet the cast:** [https:// sparkanvil.org/cast/sleuthlab](https://sparkanvil.org/cast/sleuthlab)
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