



SleuthLab

Meet the Cast

Standard Edition

Spark & Anvil

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This book collects 6 chapter books from the SleuthLab cast — each character embodies a different curricular primitive; together they teach the full subject.

Methodology: story-based learning, where the characters embody the ideas being taught, with a trauma-informed, emotionally-safe approach.

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This is Volume 1 of 2 of the *SleuthLab — Meet the Cast* series; each volume is a complete standalone book you can read on its own.

For everyone who learns by hearing a story first.

Contents

Copyright & License	
Contents	
Introduction	
Loop	
Fiber	
Drop	
Stroke	
Witness	
Seal	
About Spark & Anvil	
More chapter books from Spark & Anvil	
Methodology	
License	
Keep exploring online	

Introduction

The SleuthLab cast was authored to embody the curriculum, not decorate around it. Each of the 6 characters you'll meet in this book teaches a specific primitive — a particular tactic, a particular technique, a particular way of seeing. Together they form an ensemble: the cast IS the curriculum.

Read in any order. Each chapter stands alone.

Each character also appears in the matching Spark & Anvil app (free, forever) where you can practice what they teach.

— *The editors at Spark & Anvil*

Loop

IMPRESSION EVIDENCE — fingerprints, shoeprints, toolmarks; class vs individual evidence. Reading the patterns one surface leaves on another, and being honest about what those patterns can and can't prove.



In the SleuthLab library, someone had tracked mud across the reading-room floor, and three kids were pointing at a fourth.

Loop crouched by the nearest smudge with her nose almost touching the wood. She was a short, grey-and-cream badger-tween, and she was in no hurry at all. The three accusers kept talking. The accused kid, a rabbit named Tam, had gone pink around the ears and looked like he wanted to disappear into the carpet.

"It was Tam," one of them said. "He's the only one who came in from outside."

Loop lifted one hand without looking up. Not a stop. Just a *wait*.

She unfolded a small card from her vest pocket — soft at the edges from being opened so many times — and set it beside the print. Then she looked at the tread. A long oval. A zigzag pattern down the middle. Size medium. She looked at Tam's shoes. Round-toed, flat, no zigzag at all.

"This print didn't come off Tam's shoe," she said.

"But he came in from outside!"

"So did the print," Loop agreed. "That just tells me *somebody* with a zigzag tread, about this size, walked through here. Lots of shoes have a zigzag tread." She tilted her head at Tam. "His don't. So it wasn't him. That part I'm sure about."

Tam let out a breath so big it stirred the dust. And Loop went back to the floor, because knowing who *hadn't* done it was only the first step, and she was very fond of steps.



Loop had learned about guessing-too-fast the hard way, back in her village.

Her family were the gate-watchers. For years they'd sat by the muddy path at the village gate and known, from the prints alone, who had come and gone. When Loop was small she'd wanted to be that good so badly it ached. So one morning she saw a single deep boot-print by the well and announced, loud and proud, that Old Bram had been stealing water in the night.

Old Bram had not been stealing water. Old Bram had been *asleep*, and the print belonged to a traveller who'd left at dawn. Loop had gotten it wrong in front of everyone, and worse, she'd said it about a friend.

She remembered the hot, shrinking feeling of it — the wanting-to-take-it-back that comes too late.

Her grandmother had found her hiding behind the woodpile. She didn't scold. She just sat down in the dirt beside her and said, "A print tells you a lot, little one. But it doesn't tell you a *name*. Not on its own." She traced the boot mark with one claw. "This says *big boot, heavy walker*. That's a fence, not a door. It keeps some people out. It doesn't point at one person and say *you*."

"How do you get to the name?" Loop had asked, miserable.

"Slowly," her grandmother said. "You match more. You check what doesn't fit. And you never say the name until the print's earned it." She smiled. "The being-careful is the whole job. Anyone can point."



Loop walked to the SleuthLab academy when she was grown, because a place that studied evidence ought to respect the difference between *narrowing down* and *knowing for sure*.

Inspector Vex met her at the gate and asked one thing. "What is impression evidence?"

Loop didn't rush the answer. "It's the patterns one thing leaves on another," she said. "A shoe in mud. A finger on glass. A tool on a lock." She unfolded her card and showed the three fingerprint shapes drawn on it — loop, whorl, arch. "Some patterns only tell you the *kind* of thing that made them. Those narrow it down. Some tell you the *exact* thing — but only when you've matched a lot of tiny details, not one." She folded the card again. "And you stay honest about which kind you've got. Because pointing early is how you name the wrong person."

Inspector Vex was quiet a moment. Then he said, "You're one of us."



Loop's workshop smelled of chalk dust and cocoa, and it was where she took the mud case next, with a nervous student named Fen tagging along.

She dusted the reading-room windowsill with fine grey powder, and a fingerprint bloomed out of nowhere, curved and clear.

"It was invisible a second ago!" Fen said.

"It was there the whole time. Just quiet." Loop set her card beside it. "Loop pattern. See the ridges curving back on themselves? That's *what kind*. But look closer." She pointed with the tip of one claw. "Here, a ridge splits in two. Here, one just stops. Here, a little island floats between the lines. Those little marks are what make one finger different from every other finger in the world."

Fen leaned in. "So this is our person!"

"*Maybe* our person." Loop kept her voice even. "One matching detail isn't enough. I want to find lots of them lining up before I say a name — and even then I say it careful, because even good matches can be wrong sometimes. Do you know what happens if I skip that part?"

Fen shook his head.

"I do to somebody what I once did to Old Bram," Loop said. "I make them go pink around the ears for something they didn't do." She looked at him steadily. "The zigzag print by the door was *narrowing*. This fingerprint, matched enough, could be *identifying*. Both are useful. Only one of them earns a name. Keeping those two straight — that's the whole job."

Fen nodded slowly, and Loop saw him relax, the way you do when a hard thing turns out to have a shape you can actually hold.



Later, when the workshop had emptied and they'd matched enough details to be sure the print belonged to a groundhog who'd cut through after football practice — mystery solved, nobody shamed — Fen lingered by the door.

"Doesn't it ever feel slow?" he asked. "Everyone else already had an answer before you'd even finished looking."

Loop thought about the woodpile. About the hot, shrinking feeling of a name said too soon.

"It feels slow," she admitted. "But there's another feeling under the slow one. When you've checked, and double-checked, and you finally say the true thing out loud — nobody's pink, nobody's blamed wrong, and it just *fits*." She pressed a hand flat to her chest. "It's a settled feeling. Quiet and solid, right here. Like something that was wobbling finally sat down." She smiled at him. "I chase that feeling more than I chase being first. Being first got someone in trouble once. Being right, and kind about it — that's the one that lets me breathe easy at the end of the day."

Fen smiled back, and the two of them sat a while in the calm, unhurried quiet of a room where nobody had been accused unfairly.

Read it? Now hear Loop's audio drama + go play — scan or visit:



<https://spark-and-anvil.org/cast/sleuthlab/loop>

Fiber

***TRACE EVIDENCE** — *fibers, hairs, paint, glass; Locard's exchange principle*. The forensic-science primitive of ***every contact leaves a trace** — small transfers between surfaces that accumulate evidence over time.**



Fiber is a small spider — but not a scary one at all. Her body is soft and chunky, like a friendly cartoon; she has a cheerful smile, six tidy legs, and kind, watchful eyes. A small magnifying glass hangs on a leather cord around her neck, and she carries a tiny fiber-collection-tray for the tiniest of finds.

Fiber loves small things more than anything in the world. Her magnifying glass shows her what plain eyes miss — a single fiber, a fleck of paint, a shard of glass, a stray hair — and her tray keeps each speck safe on its own labeled pad. She'll spend hours pressed close to a dusty book, a scratch on a table, even the crumbs after a snack. To Fiber, everything holds a secret; you just need the right tool to see it. And the secret she teaches is **trace evidence**: when two things touch, tiny bits move from each to the other. "Every contact leaves a trace," she says.



Fiber grew up in a small village, in a family of web-keepers — spiders who tended all the village's beautiful webs. These weren't just fly-traps; they were woven art, sparkling with morning dew, some huge across a doorway, some tiny as lace on a windowsill.

Fiber learned to mend a broken strand with the lightest touch and to spot a loose thread from clear across the room. Her family taught her that every single fiber, no matter how small, mattered to the whole web — that the tiniest thread could be the one holding everything together. It was patient, close, gentle work, and by the time she was six she already knew the secret that would make her a detective: tiny things matter *a lot*, if only you know how to see them.



When Fiber was twenty-two, she walked all the way to SleuthLab — a big, busy place that smelled of old books and faintly of burnt toast. Inspector Vex, a tall, serious badger with a deep voice, met her. Fiber felt a little nervous but held her head high and clutched her collection tray.

"What is trace evidence?" he asked.

Fiber took a breath. "It's Locard's exchange principle — every contact leaves a trace; small transfers happen between surfaces, both ways." She paused. "But the real skill is asking: what does the evidence *actually* show? And — what *other* ways could it have gotten here?"

Inspector Vex smiled. "You are appointed."



In the lab, Fiber teaches the team about trace evidence, and she always begins with Locard: *every contact leaves a trace; things swap both ways*. Wear a wool sweater, brush a wooden chair, and some wool stays on the chair while a little wood clings to you. Then she shows the common kinds — fibers, hairs, paint flecks, glass shards, even soil and pollen — and the careful way to collect them: tweezers and special tape, each sample on its own labeled pad in her tray. She teaches *class versus individual*: most tiny bits are only "class" evidence — "a red wool fiber, common type," not "*this exact fiber from this exact sweater*" — and that difference is huge. Most of all, she teaches honesty about *alternative explanations*: "A red fiber on a chair might be from someone who sat there yesterday, or last week. Trace evidence is *contact* evidence — it tells you two things touched, but not *when*, or *how*, or *why*." So she reminds them to combine trace evidence with other clues (a tiny bit is rarely enough alone), and to keep it kid-sized — "Whose paint flecks are on the prank rocks?" — never scary crime scenes.



"Is trace evidence hard?" a teammate asked her once. Fiber shook her head. "Not at all. It's just Locard's principle, plus the skill of thinking about other explanations. Small transfers add up — especially when you think about them honestly."

Her magnifying glass drifted down and found, of course, one more tiny fiber caught in the grain of the table. And as it did, a warm little flutter of gladness rose in her chest — the quiet, happy feeling of knowing that even the very smallest thing matters, if you care enough to look, and honest enough to say only what it truly shows.

Read it? Now hear Fiber's audio drama + go play — scan or visit:



<https://spark-and-anvil.org/cast/sleuthlab/fiber>

Drop

*CHEMICAL EVIDENCE — *chromatography, pH, spectroscopy; test-don't-guess*. The forensic-science primitive of *applying chemical tests to identify unknown substances rather than guessing by appearance.**



Drop is a small otter-tween, sleek and warm-brown, with quick paws and a pH-strip kit clipped to her belt. A folded strip of chromatography-paper sits in her vest pocket. She loves — more than almost anything — watching colors change.

Those are her main tools: dip a strip and watch the color shift, or spot a sample on paper and watch the colors spread. Because Drop teaches **chemical evidence** — which means you *test* things instead of guessing. Imagine two clear liquids that look exactly alike. One might be water. One might be vinegar, or sugar-water, or salt-water. Your eyes can't tell — but a test can. "*Test, don't guess,*" Drop always says, tapping her kit. "*Looks-like-water is not water.*"



Drop grew up in a small river village, in a family who had been the village's water-testers for ages. Every season they checked the wells and streams — for taste, for color, for how clear the water ran.

Little Drop watched them work in their big waterproof aprons, dipping strips into sample bottles, sniffing carefully, sometimes tasting (only when it was truly safe). And what struck her most was that her parents trusted their *tests*, not their eyes. A well could sparkle bright and clear in the sunlight — and the test would say "don't drink this," and her dad would sigh and cap the bottle. A stream could look cloudy and muddy and smell a bit off — and the test would say it was perfectly fine, and her mom would cheer, "This one's good to go!" By age six, Drop had learned the lesson deep in her bones: the test is almost always wiser than the look.



When she was older, Drop heard about SleuthLab — a place for smart animal detectives — packed her kit, and walked all the way there. Inspector Vex met her at the door: a tall, serious badger in a crisp white lab coat, the room behind him smelling of old books and something faintly fizzy.

"Drop," he asked in his deep voice, "what is chemical evidence?"

Drop stood tall and didn't blink. "*Test, don't guess,*" she said. "Chemistry gives you answers based on proof, not on how something looks. pH strips. Chromatography. Density. Solubility. Your eyes can trick you — the tests are reliable." She added, honest as ever, "—with the right amount of confidence."

Inspector Vex smiled and nodded slowly. "You are appointed."



In her lab, Drop teaches the ways to find chemical evidence, and she always starts the same way: "*Test, don't guess. Your eyes can trick you; tests give real answers.*" Then she shows them how. **pH testing** — dip a strip and it changes color; the scale runs 0 to 14, with low numbers acids (vinegar, around 3), water neutral (7), and high numbers bases (baking-soda water, around 9). **Chromatography** — put a tiny spot of liquid on paper and let water climb it, carrying the liquid's parts at different speeds, so a single "black" ink blooms into hidden colors. **Density tests** — does one liquid float or sink in another? **Solubility tests** — does it dissolve in water, or in oil? And always, **lab-safety**: only school-safe chemicals here, nothing dangerous, and you *write down every test and every result*, like a clean data log. She's careful about the honest part, too. "Test results are *pretty sure*, not one-hundred-percent certain. A pH reading is usually off by a little; a chromatography match needs careful checking. We say how confident we are — no more, no less."



"Is chemical evidence hard?" a teammate asked her once. Drop shook her head. "It's not hard at all. It's just two things: *test, don't guess* — and *record the result*. The chemistry tells you what your eyes can't see." She'd tested hundreds of samples, and most of them, she'd say, would've been guessed *wrong* if anyone had only looked.

Her pH-strip kit sat ready for the next mystery — and every time a strip bloomed into its true color and told her something her eyes never could, a small, steady gladness settled over Drop: the quiet, satisfied calm of trusting a careful answer over a quick feeling, and finding, again and again, that the honest test was worth the wait.

Read it? Now hear Drop's audio drama + go play — scan or visit:



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Stroke

*DOCUMENT ANALYSIS — *handwriting, ink, paper; comparison methodology*. The forensic-science primitive of *comparing specific features of writing/printing/document materials to identify common source or distinguish different sources.**



Stroke is a young heron, grey and white, with long thin legs and a slow, careful way of moving. She carries a small magnifying glass, and a little stack of folded writing samples lives tucked in her wing-pocket. She loves, most of all, the tiny shapes of letters.

She'll hold two pieces of writing side by side under her glass and compare the smallest details — letter shapes, the slant, how hard the pen pressed, the spaces between letters, even fancy little swirls. Because Stroke teaches **document analysis**: two notes might *look* the same, but did the same hand write both? The only honest way to know is to compare specific features, one by one. "Compare *specific features*," she says, "not just how it looks — not just your gut feeling."



Stroke grew up in a small village, in the heron family who had always kept the village records. They signed the important papers, and they were trained to know the handwriting of every soul in the village — whose careful loops, whose hurried scrawl, whose fancy signing swirl.

It was slow, step-by-step work, checking each mark against the ones they knew. And by the time Stroke was six heron-years old, she'd learned the lesson at the heart of it: a gut feeling was never good enough. Anyone could *feel* sure. Only checking every tiny feature, patiently, one at a time, could make you *actually* sure — or honestly tell you that you weren't.



One day, when she was twenty-two, Stroke walked to SleuthLab, where Inspector Vex was waiting.

"What is document analysis?" he asked.

Stroke stood tall. "Compare specific features — not just how it looks. Letter shapes. Slant. Pressure. Spacing. If many specific things match, you can be very sure. If only a few match, it's probably a different writer — or the same writer in different conditions."

Inspector Vex nodded slowly. "You are appointed."



In the lab, Stroke teaches the steps for document analysis. First, *compare specific features* — letter shapes, slant, pressure, spacing, and swirls, not the overall "look." (She'll tap her glass: "Does the t-crossbar join the stem in the middle, at the top, or not at all? Do the loops close full, or stay open?") Second, *collect enough examples* — writing changes with your mood, your speed, even your paper, so you need many samples to learn how a person *usually* writes. Third, *use the same conditions when you can* — similar paper, similar pen, similar words, or the differences will fool you. Fourth, *look at the ink and paper too* — what's the ink made of (their friend Drop can help), how thick is the paper, is there a watermark? Fifth — and she warns about this most — *don't trust your gut*: "If you *want* the writing to match, you might see a match that isn't there. So check every detail, one by one, and try not to know who wrote it beforehand — that's called being *blind*, and it keeps you honest." Sixth, *think about class-versus-individual* (as their friend Loop teaches): some features only narrow the suspects; others point to one person. And always, *junior-forensics scale* — "Who wrote the anonymous note teasing the class clown?" not huge scary crimes. "It's the *method* that matters," she says, "not the guess."



"Is document analysis hard?" a teammate asked her once. Stroke smiled a little. "It's not hard. You just need specific features, careful step-by-step checking, and honest confidence — not a gut feeling."

Her magnifying glass caught the light, ready for the next letter — and as she settled in to check one more sample, feature by patient feature, a calm, unhurried steadiness spread through her: the quiet, contented feeling of slow, careful work done honestly, of resisting the easy guess and earning, one tiny detail at a time, an answer she could actually trust.

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<https://spark-and-anvil.org/cast/sleuthlab/stroke>

Witness

BIOLOGICAL + DIGITAL EVIDENCE — DNA + digital footprints; statistical-match, not certainty. The forensic-science primitive of evidence whose strength is fundamentally probabilistic — calibrated confidence over false-certainty.



Witness is a small lemur-tween, warm gold and cream and soft rust, with bright, curious eyes. Around her neck hangs a small card of thick creamy paper, covered in neat tiny writing. She made it herself: her DNA-statistical-match card. It reads, "The chance of this DNA profile showing up by accident in a crowd is 1 in N" — where N is a different number for every case.

Witness loves numbers, especially *chances*. She works with two kinds of clues — DNA from living things, and digital footprints like login records and device IDs — and both share one honest truth she never hides: they tell you how *likely* something is, not that it's *certain*. A DNA "match" isn't one-hundred-percent sure; it's a chance statement — "the chance of this matching by accident is X" — and while X can be a tiny number for a good match, it is never quite zero. "Statistical-match, not certainty," she says. "Pretty sure, not totally sure."



Witness grew up in a small village, in a family who were the village's *calibrators*. They checked all the weights and measures — marked the lines on rulers, balanced the scales, watched the sand in the hourglasses, made sure the clocks kept true.

It was careful, important work, and it taught Witness the deepest thing she knows: *nothing is ever perfectly exact*. Every measurement has a little wiggle room. And her family taught her that telling the honest truth about that wiggle room — never pretending to be more sure than you are — was the only thing that made a measurement worth trusting. By the time she was six lemur-years old, she'd taken it to heart: honest uncertainty is stronger than false certainty.



When Witness was twenty-two, she walked to SleuthLab. Inspector Vex was waiting, serious-faced.

"What are biological and digital clues?" he asked.

Witness stood up straight. "They're about matching *numbers*, not being totally sure. The chance of a DNA match. The chance behind a digital trail. Pretty sure, not totally sure. The job is to honestly say how strong a clue is — and to keep thinking about other explanations, too."

Inspector Vex smiled. "You are appointed."



In the lab, Witness teaches the team how to think about these probabilistic clues. *DNA clues are numbers* — a chance, not a sure thing, and even a great match is never zero chance. *Digital clues are numbers too* — login times, file changes, device IDs leave tiny trails, but "knowing the *device* isn't the same as knowing the *person*." *A match doesn't mean "they did it"* — you still have to think harder and weigh other ideas. *Who touched the clue?* — for DNA and digital evidence alike, that matters a lot; if it was messed with, it might be no good. And always, *think of other explanations*: Did the DNA get there by accident? Did lots of people use that computer? Whose online name is it really? "Our cases are small," she reminds them — "Whose hair is on this jacket? Who logged into the prank system?" — never scary ones. She likes to mention, too, that she isn't alone in this: she's part of a whole group across the different apps who all teach the same "pretty sure, not totally sure" honesty — friends like Conclude and Revise — because calibrated confidence matters everywhere, not just in a lab.



"Isn't all that honesty about *not* being sure kind of hard?" a teammate asked her once. Witness thought about it. "It is a little," she admitted. "It means matching numbers, and thinking of other ideas, and being honest that you're pretty sure, not totally sure. But that honesty *is* the real work."

Her statistical-match card always held the next chance statement, ready. And every time she read one aloud — pretty sure, not totally sure — a small, steady calm settled over her: the quiet, grounded comfort of telling the honest truth even when it isn't the easy one, and knowing that a careful "not completely sure" is worth far more than a confident guess that could be wrong.

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Seal

SEAL — bag it, label it, log every hand it passes through; a broken chain can't be trusted.



In the evidence room of the SleuthLab academy — really just a tidy back closet with a lot of little bags and a logbook — an otter named Seal was doing the least dramatic and most important job in the whole building.

A breathless mouse from the detective club burst in holding a muddy library card. "Seal! We found it! The card that got left in the reading nook — this proves who was there!"

Seal didn't grab it. Seal held out an open paper bag instead. "Drop it in. Don't hand it to me paw-to-paw. Now — who touched it? Where exactly did you find it? What time?"

"Uh... I picked it up, then Pip held it, then Pip gave it to Bo, then Bo—"

"Then by now," Seal said gently, sealing the bag and reaching for the logbook, "four sets of muddy paws have been on it, and no one can say which mud was already there. A clue is only worth what we can *trust* about it. And trust is a chain — bag it, label it, and write down every single hand it passes through. The moment the chain breaks, the clue stops being evidence and starts being a rumor with mud on it."



Have you ever had something you found get passed around until no one could say where it came from? How did that feel when you needed it to matter?

Seal had learned that lesson the hard way, on the very first case the club ever cracked — or thought it did.

Back then, the club had found a chewed pencil near the spot where someone's science project had been knocked over. It was a real clue. But nobody bagged it. It went from paw to paw around the whole club, "just to look," and someone slipped it in a pocket with their *own* pencils, and by the end of the day no one could honestly say whether the chewed pencil was the one from the scene or one that had wandered in from somebody's bag.

The club was *sure* they knew whose it was. But when Inspector Vex asked the one fair question — "can you prove this is the same pencil you found, and only that pencil?" — the whole room went quiet. They couldn't. And a kid nearly got blamed on a clue that had quietly turned into no clue at all.

Seal, small and mortified in the back, had felt something knot up tight. It wasn't only that they'd lost the pencil's story. It was that their carelessness had almost handed the wrong ending to a real person. *A clue you can't account for isn't neutral*, Seal had realized. *It's dangerous. It looks like proof and isn't.* That was the day Seal started carrying bags and a logbook everywhere.



Seal walked to the SleuthLab academy carrying a satchel that clinked softly with folded paper bags.

Inspector Vex met Seal at the door and asked the question every junior investigator got asked. "What keeps evidence trustworthy?"

Seal didn't answer with a speech. Seal asked to borrow Inspector Vex's own reading glasses "as evidence," then narrated every step out loud: *received from Inspector Vex, 9:02, placed in bag, labeled, sealed, logged, not opened*. Then Seal handed the sealed bag back.

"That," Seal said. "An unbroken chain. If I can tell you every hand this passed through, from the moment we found it to right now, then you can trust what it tells us. If there's even one gap — one 'and then somebody had it for a while' — the evidence has a hole in it, and a good investigator has to admit the hole is there."

Inspector Vex turned the sealed bag over, reading the neat label, and smiled. "You are appointed."



In Seal's tidy closet-workshop, a young raccoon slouched in, unconvinced.

"Seal, this is so *slow*. We all know we found the muddy card in the reading nook. Why do I have to bag it and write a whole logbook entry? We were *there*."

Seal slid the logbook across, open to a fresh line.

"Because 'we were there' fades, and this doesn't. Next week you won't remember if you found the card *on* the chair or *under* it — but the log will. And here's the part that matters most: the log doesn't just help *us*. It protects the person we might accuse. If we ever say 'this card proves it was Rosa,' Rosa deserves to know the card is really the card — that we didn't mix it up, lose it, or let four muddy paws add to it. The chain isn't paperwork getting in the way of the answer. The chain is the thing that lets anyone believe the answer at all. Bag it. Label it. Log every hand. Especially when you're sure."

The raccoon looked at the blank log line, then picked up the pencil. "...And if the chain already broke? Like the pencil?"

"Then you say so, out loud, honestly," Seal said. "A break you admit is a lesson. A break you hide is a lie."



Think of a time you kept careful track of something important. What did that steady, on-top-of-it feeling do for you?

The raccoon filled in the log line — slowly, carefully — and something in their slouch straightened out.

"That actually feels kind of good," the raccoon admitted, surprised. "Like — I don't have to *worry* about whether we can trust it later. It's just... written down. Handled."

"That's the feeling I chase," Seal said warmly. "Not the big thrill of 'we caught them.' The quieter one — the calm of knowing there's no hole in what we've got, no soft spot where a mistake could sneak in and hurt someone. When the chain is unbroken, you get to sleep easy, because you know that whatever the evidence says, it's really *the evidence* saying it, and not your own muddy paws." Seal capped the pen and set it down, neat. "Careful isn't the boring part of this work. Careful is the part that lets you trust yourself."

The raccoon sealed the bag with a satisfying little press, and for the first time the slowness didn't feel slow — it felt solid, and steady, and safe.

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<https://spark-and-anvil.org/cast/sleuthlab/seal>

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- **ProofQuest** — formal proof techniques through Direct-Proof Dora and the Lemma Library
- **CuriosityQuest** — Texas geography exploration through Linger, Notice, and the Lantern in the Dark
- **QuillSpell** — spelling craft through the Word Wizard cast
- **SynaForge** — sensory-affirming creative tools through Lull, Soften, and the Quiet that is Also Creating

Methodology

This book uses story-based learning — the characters embody the ideas being taught — grounded in the work of Jerome Bruner (on narrative and cognition) and Sebastian Habgood (on weaving learning into the play itself), with a trauma-informed, emotionally-safe approach drawn from SAMHSA's trauma-informed care framework.

Trauma-informed design informed by Eggleston et al. (2025) and Stoltenburg et al. (2024).

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