

Green² Troops: Cadette Special Agent Badge

Purpose: Dive into the world of detection and investigation while using eco-conscious practices and minimal materials.

Overall Green² Strategies

- **Materials:** Use reusable tools like magnifying glasses, fingerprint kits, and notebooks.
 - **Evidence Collection:** Avoid single-use plastics—use cloth gloves and reusable containers.
 - **Recording Data:** Go digital for case notes, observations, and analysis.
 - **Reuse:** Repurpose household items for experiments and simulations.
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Step 1 – Investigate Investigation

Goal: Learn how real detectives work.

- Watch free documentaries or interviews with forensic experts online.
 - Borrow true crime or science books from the library instead of buying them.
 - Create a digital chart to track types of forensic evidence and how they're used.
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Step 2 – Try the Tools

Goal: Experiment with detection tools and techniques.

- Use flour, cocoa powder, or cornstarch for dusting fingerprints on reused surfaces.
 - Collect “evidence” with clean tweezers or spoons instead of disposable items.
 - Reuse jars, containers, or envelopes to store evidence instead of plastic bags.
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Step 3 – Create a Crime Scene

Goal: Set up and analyze a mock crime scene.

- Use existing troop supplies or household items to stage the scene.
 - Take photos instead of drawing on new paper.
 - Record clues in a shared digital document or reusable dry-erase board.
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Step 4 – Solve the Crime

Goal: Analyze evidence and draw conclusions.

- Work in teams using shared digital logs and whiteboards.
 - Use recycled paper for note-taking if needed, or dry-erase clipboards.
 - Discuss solutions verbally or via a troop slideshow instead of printed reports.
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Step 5 – Share Your Skills

Goal: Teach others what you've learned.

- Host a mystery game for younger troops using reusable props and clues.
- Create a “How to be a Special Agent” guide using digital tools.
- Present findings in a troop mystery night with no printed programs.

At-Home & Family Connection

- Create a family mystery game using only items from around the house.
- Practice fingerprinting with siblings or parents using cocoa or chalk dust.
- Watch a detective show together and identify eco-friendly investigation tools.

Waste-Free Wrap-Up

- Reflect as a troop: What did you learn about solving problems in a sustainable way?
- Pass along homemade detective kits to younger girls or other troops.
- Keep reusable materials in a troop “mystery box” for future activities.