



Green² Troops: Detective Badge

Badge Purpose:

Girls become detectives by solving mysteries, sharpening observation skills, and thinking critically—all with minimal waste and maximal creativity.

Supplies Overview (Waste-Free):

- Scrap paper/cardboard (clue sheets, suspect profiles)
- Natural powders (cocoa, flour) for fingerprinting
- Reusable containers (for evidence)
- Twine or string for “laser” obstacle course
- Magnifying glasses (reuse or make with water droplets)
- Fabric scraps for disguise disguises

Eco-Leadership Tips:

- Use chalkboards or scrap paper for notes
- All “props” made from recyclables or found items
- Snacks = no wrappers, all compostable or bulk
- Share evidence digitally if needed

Step 1: Practice the Power of Observation

Activity: Create a “Nature Detective” scavenger hunt. Girls find patterns, animal tracks, or unusual shapes outside. All clues found in nature or reused items.

Step 2: Communicate in Code

Activity: Write messages in lemon juice “invisible ink” or Morse code with sticks and stones. Use paper from recycling bins or cereal boxes.

Step 3: Fingerprint Fun

Activity: Use cocoa powder or flour on tape and old mirrors to lift fingerprints. Compare loops, whorls, arches. Compostable powders, no single-use plastic.

Step 4: Try Out Detective Science

Activity: Build a suspect board from cardboard. Analyze alibis, “evidence,” and motives using logic games. All props made from scrap and imagination.

Step 5: Solve a Mystery

Activity: Girls design and solve a no-waste mystery (e.g., “Who stole the troop’s banana peels for compost?”) Build puzzles and props using all reused materials.

Community Service Project:

“Community Clue Crew”

Girls write a mini-mystery booklet or scavenger hunt for younger girls or local schools using reusable clues and storylines. Theme it around environmental protection or reducing waste.