Canopy Nest Build

HOST ONLY - preparation and story

Includes answers. Keep these pages and all hint pages with the adult host.

Welcome to the fictional canopy survey. The nest must match a linked food web and provide five different parts without cutting any paper. Your team has the original records on the table. First recover five pieces of information, then use the final plan to assemble the canopy nest model. Keep every result beside its badge so another teammate can check your reasoning.

1. Print the six player sheets and two record sheets for each team. Keep answers and hints with the host.

2. Lay out Canopy food web, Nest cards, the remaining clue sheets and the final plan. All task records are printed inside the sheets; no extra prop is needed.

3. After each clue, pass roles one seat clockwise. With two players, combine Reader with Recorder and Checker with Builder. With five or six, add a second checker and a source finder; everyone explains one decision.

4 players; 1 team. Give each team 6 player sheets and 2 record sheets. Share one host guide and one set of three hint levels.

Paper and pencils are enough. Keep whole sheets at one table; nothing needs cutting, folding or hiding.

Optional: 4 invitations or certificates, only if selected.

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HOST ONLY - solution guide

1. Food: PEEP

Start with LEAF+NECTAR. Newly supported in order: NIB+FLIT > GLIM > PEEP. PEEP needs GLIM OR SEED; that rule is met. Other listed targets remain unsupported.

2. Record: EAST

Check source status first, then join the matching tag. The useful information comes from separate records, not their printed row order. Result: EAST.

3. Habitat: CUP

Compare all printed features with every positive and negative requirement. Reject each near match using the particular requirement it fails. Result: CUP.

4. Path: S-A-B-F

Visit B without using a closed edge. Eligible journeys within 8 units: S-A-B-F costs 5; S-C-B-F costs 7. The least-cost result is S-A-B-F.

5. Order: D

The before relationships connect all four events. Place linked cards, check any immediate handoff and then read the specified position. Result: D.

6. Final: R1-F2-W1-D2-E1

Each recovered field result sets one separate habitat requirement. Match all five layers; a complete plan must include suitable cover, ground, water, food and access. Checked result: R1-F2-W1-D2-E1.

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HOST ONLY - timeline, story and ending

3 minutes: Read the opening. Show the evidence record and choose starting roles.

5 minutes: Solve Food. Offer one hint at a time and rotate roles after checking.

5 minutes: Solve Record. Offer one hint at a time and rotate roles after checking.

5 minutes: Solve Habitat. Offer one hint at a time and rotate roles after checking.

5 minutes: Solve Path. Offer one hint at a time and rotate roles after checking.

5 minutes: Solve Order. Offer one hint at a time and rotate roles after checking.

7 minutes: Build the five-part habitat design using all five results.

3 minutes: Read the ending. Ask each teammate to explain one rejected alternative.

After Record: A suitable roof does not guarantee suitable food or water. Keep each habitat need beside its field evidence. Pass the record sheet to a new checker before opening the next clue.

After Path: Four results are recorded. Each teammate points to a source supporting one result. Complete the fifth check before building the five-part habitat design.

Check every result using the solution guide. Offer the next hint only when requested; save the answer reveal until the group is ready.

The paper model uses parts R1-F2-W1-D2-E1, with every habitat layer matched to its evidence. Thank each teammate for a different piece of reasoning.

Explain one tempting wrong choice and the evidence that ruled it out. Show how each of the five results affected the five-part habitat design. If a clue is missing, say what remains uncertain before reopening that sheet.

Duration and ages are estimates. Adjust the pace and offer help for your group.