

Dinosaur Egg Patrol

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

The dinosaur camp mixed six nest survey cards. Each of five desk checks will rule out one mistaken nest. Recover every check before choosing the correct card. Collect five named badge digits and use the final sheet. Every clue is on the table; ask the host for one hint at a time.

1. Print one player pack and two record sheets per team. Keep the host answers and all three hint levels with the adult.
2. Keep every clue as a full sheet at one table. Put the final sheet face down until all five results are recorded. Nothing needs cutting, folding or hiding.
3. Give each child a pencil. Choose a reader, recorder and checker, and swap jobs after each clue. Use one team for 2-4 children or two teams for 5-6.

Players: 4; teams: 1. Print one player and prop set per team. Invitations and certificates: 4 each.

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

Dinosaur Egg Patrol

HOST ONLY - solution guide

1. Trail: 4

The open corridor from S reaches row 5 column 5, exit 4; the other labelled exits are separated by walls.

2. Keeper: 7

Jem has Tag; Sol has Shell; Tara has Chart. Sol's item gives 7.

3. Shell: 3

The only order is Read survey > Check shell > Mark nest > File card. Position 2 carries 3.

4. Load: 4

Remove 4 from 12; share 8 among 2 parcels to get 4. Check $2 \times 4 + 3 = 11$.

5. Label: 7

D1, A3, A3, B1 reads EGGS. The conversion table gives 7.

6. Final: 0307

Only Nest A matches all five columns. Copy its printed code 0307.

Dinosaur Egg Patrol

HOST ONLY - timeline and paper check

3 minutes: Read the story, show the badge record and choose roles.

4 minutes: Solve Trail. Offer one hint level at a time if wanted.

6 minutes: Solve Keeper. Offer one hint level at a time if wanted.

5 minutes: Solve Shell. Offer one hint level at a time if wanted.

5 minutes: Solve Load. Offer one hint level at a time if wanted.

5 minutes: Solve Label. Offer one hint level at a time if wanted.

5 minutes: Use the five results on the final sheet.

2 minutes: Read the ending and thank each teammate.

Paper completion: check each badge against the solution guide, then check the final code. No device is required.

The survey card is returned to the matching nest. Thank your team for checking the evidence together. Confirmed: Nest A, code 0307.

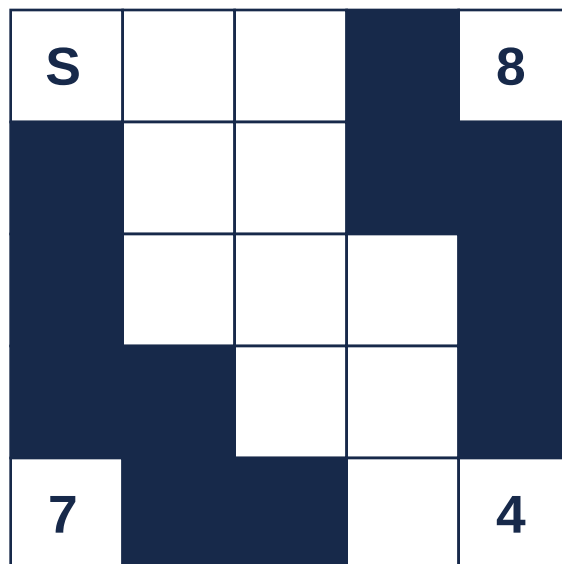
Duration and ages are estimates. Adjust pace and offer help for your group.

Dinosaur Egg Patrol

Player clue 1: Trail | Team 1

The dinosaur camp mixed six nest survey cards. Each of five desk checks will rule out one mistaken nest. Recover every check before choosing the correct card. Find five badge digits, then use the final sheet. Help each other and ask for hints.

Trail desk: Start at S. Follow open cells with no diagonal moves. Explore the branches and find the single reachable numbered exit.



White = open. Dark = wall. No diagonal moves.

Row / column: start at top left; each cell is one step.

Trail badge: _____

Dinosaur Egg Patrol

Player clue 2: Keeper | Team 1

Keeper desk: Each person has ONE different item. Use all four NOT rules. Find Sol's item and copy its digit.

Shell

digit 7

Tag

digit 0

Chart

digit 3

People: Jem, Sol, Tara

Jem does NOT have Shell.

Sol does NOT have Tag.

Sol does NOT have Chart.

Tara does NOT have Tag.

Find Sol's item. Each item is used once.

Keeper badge: _____

Dinosaur Egg Patrol

Player clue 3: Shell | Team 1

Shell desk: Combine every BEFORE rule to order the four actions. Write positions on the whole-sheet cards. Read position 2.

Check shell [3]

File card [7]

Mark nest [5]

Read survey [1]

Read survey BEFORE Mark nest

Check shell BEFORE File card

Mark nest BEFORE File card

Read survey BEFORE Check shell

Check shell BEFORE Mark nest

Read position 2 (positions start at 1).

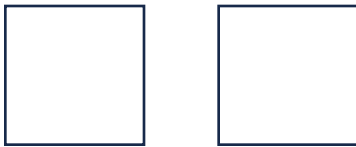
Shell badge: _____

Dinosaur Egg Patrol

Player clue 4: Load | Team 1

Load desk: Every parcel has the same whole-number weight. Remove loose units, find ONE parcel and check the second rule.

2 parcels + 4 loose units = 12 units



2 parcels + 3 loose units = 11 units

One parcel = ? units. Whole numbers 1-9.

All parcels have equal weight.

Load badge: _____

Dinosaur Egg Patrol

Player clue 5: Label | Team 1

Label desk: Read the letter at each coordinate, in order. Letter = column; number = row. Convert the complete word using the printed table.

Columns: A, B, C, D. Rows: 1, 2, 3.

1	D	S	K	E
2	J	M	Q	T
3	G	S	V	Y

EGGS = 7

BONE = 0

CAMP = 3

READ COORDINATES IN ORDER:

D1 > A3 > A3 > B1

Label badge: _____

Dinosaur Egg Patrol

Player clue 6: Final | Team 1

Compare each record with ALL five badge results. Find the one record matching every column. Copy its complete code, including the first zero.

C1=Trail / C2=Keeper / C3=Shell

C4=Load / C5=Label

Nest A: 0307

C1=4 C2=7 C3=3 C4=4 C5=7

Nest B: 0317

C1=5 C2=7 C3=3 C4=4 C5=7

Nest C: 0327

C1=4 C2=8 C3=3 C4=4 C5=7

Nest D: 0337

C1=4 C2=7 C3=4 C4=4 C5=7

Nest E: 0347

C1=4 C2=7 C3=3 C4=5 C5=7

Nest F: 0357

C1=4 C2=7 C3=3 C4=4 C5=8

Final badge: _____

Need help? Ask your host for one hint at a time.

Dinosaur Egg Patrol

Hint cards - level 1 (spoilers; keep with host)

1. Trail

Begin at S and trace only white cells.

2. Keeper

No item can belong to two people. Cross out each forbidden pairing.

3. Shell

The printed cards are deliberately out of order.

4. Load

Loose units are not parcels. Every parcel has equal weight.

5. Label

Columns A-D run left to right. Rows 1-3 run top to bottom.

6. Final

Keep all five named badge results beside this sheet.

Dinosaur Egg Patrol

Hint cards - level 2 (spoilers; keep with host)

1. Trail

The first move from S is right. Follow only edge-connected white cells; a corner touch cannot cross a wall.

2. Keeper

Sol cannot have two items, so Sol must have Shell.

3. Shell

Read survey must come first. Work out which action comes directly after it.

4. Load

Remove 4 loose units from 12. That leaves 8 for the equal parcels.

5. Label

The first coordinate D1 means column D, row 1. Its letter is E.

6. Final

Use C1=Trail, C2=Keeper, C3=Shell, C4=Load, C5=Label.

Dinosaur Egg Patrol

Hint cards - level 3 (spoilers; keep with host)

1. Trail

The connected corridor reaches row 5, column 5. Copy the exit label printed there.

2. Keeper

Cross Shell off for the other two people. Apply the last NOT rule, then find Sol's item.

3. Shell

The first two actions are Read survey, then Check shell. Finish the chain and read position 2.

4. Load

Share 8 equally among 2 parcels. Substitute one parcel's weight into the second rule.

5. Label

Begin with E, then read A3, A3, B1 in order. Use the complete word's conversion row.

6. Final

Each wrong record differs in just one column. Cross out all five wrong records, then copy the complete remaining code.

Dinosaur Egg Patrol

Team 1 badge record (no cutting needed)

Write a digit beside each badge as you solve its clue.

Trail: _____

Keeper: _____

Shell: _____

Load: _____

Label: _____

Reader: reads the clue. Recorder: writes the digit. Path finder: traces routes. Swap roles every clue.

Dinosaur Egg Patrol

Team 1 paper unlock card

Our five badges are ready. We used the final sheet to find this code:

Host: compare this with your solution guide. When it matches, read the ending and celebrate.

No physical lock or prize is required. You may draw a celebration star on this card.

Dinosaur Egg Patrol

You're invited to a birthday mystery!

Join Birthday Explorer for Dinosaur Egg Patrol.

Return the egg survey card to its correct nest.

Date: _____

Time: _____

Place: _____

Bring your curiosity. Paper and pencils are provided. Work together, share ideas and solve six clues.

Designed for ages 8-10. Estimated 30-45 minutes.

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Dinosaur Egg Patrol

Birthday Mystery Explorer

Presented to Birthday Explorer

Team member: _____

For completing Dinosaur Egg Patrol with curiosity, teamwork and kindness.

The survey card is returned to the matching nest. Thank your team for checking the evidence together. Confirmed: Nest A, code 0307.

Date: _____

Host signature: _____

Dinosaur Egg Patrol

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