

Dinosaur Egg Patrol

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

The birthday team has arrived, but one important part of the celebration is missing. Return the birthday egg to its matching nest. Collect five named badge digits, then use the final sheet to finish your mission. All the clues you need are printed here. Work together and ask for a hint whenever you want.

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.

No locks, purchases or cutting required. Keep all clues at a low table. Scissors are optional and for adults only.

Dinosaur Egg Patrol

HOST ONLY - solution guide

1. Trail: 5

The connected corridor branches and rejoins; both branches lead to the bottom-right exit labelled 5. The top-right and bottom-left exits are isolated.

2. Eggs: 7

A fails striped; C fails not-round; only B meets all three requirements and gives 7.

3. Shell: 4

The unique order is Find the nest > Check the marks > Carry the egg > Record the return; position 2 carries 4.

4. Scales: 6

Subtract 2 from 20, divide by 3 to get 6. Check $2 \times 6 + 5 = 17$.

5. Nest: 3

Only NEST3 has every letter in the correct order; the next square is 3.

6. Final: 0427

candidate-elimination: Compare all five clue digits against each row; only Parcel A matches.. Keep leading zeroes.

Dinosaur Egg Patrol

HOST ONLY - timeline and paper check

3 minutes: Read the opening story and explain the badges.

5 minutes: Solve Trail; offer one hint at a time.

5 minutes: Solve Eggs; offer one hint at a time.

5 minutes: Solve Shell; offer one hint at a time.

5 minutes: Solve Scales; offer one hint at a time.

5 minutes: Solve Nest; offer one hint at a time.

5 minutes: Combine the badges on the final sheet.

2 minutes: Read the ending and award certificates.

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

Mission complete! Dinosaur Egg Patrol is ready for its birthday celebration. Thank your team for sharing ideas and helping one another.

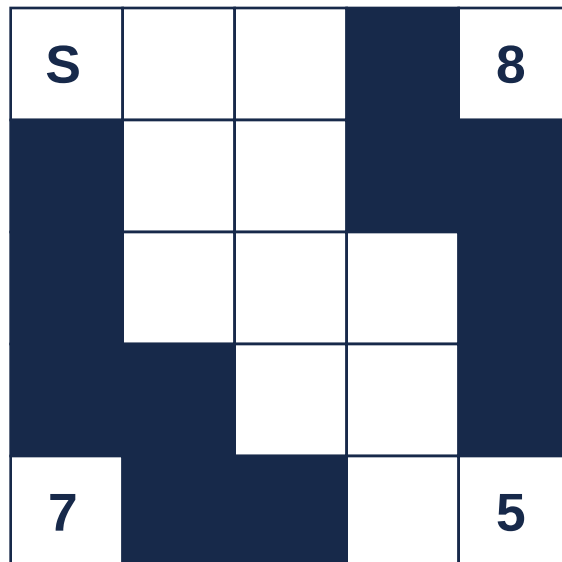
Duration and ages are estimates. Adjust pace and offer help for your group.

Dinosaur Egg Patrol

Player clue 1: Trail | Team 1

Welcome, birthday explorers! Return the birthday egg to its matching nest. Find five badge numbers. Use them on the last page. You can help each other and ask me for hints.

Start at S. Follow open squares without moving diagonally. Which numbered exit can you reach? Record its label for Trail.



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: Eggs | Team 1

Find the ONE card matching all three requirements. Cross out cards that fail any requirement. Record its digit.

Rule: striped = yes

Rule: round = no

Rule: tagged = yes

Card A - digit 8

striped: no / round: no / tagged: yes

Card B - digit 7

striped: yes / round: no / tagged: yes

Card C - digit 2

striped: yes / round: yes / tagged: yes

Eggs badge: _____

Dinosaur Egg Patrol

Player clue 3: Shell | Team 1

Use every BEFORE rule to order the four actions. Write 1-4 beside the full-sheet cards. Read the digit at position 2.

Carry the egg [9]

Find the nest [7]

Record the return [1]

Check the marks [4]

Find the nest BEFORE Carry the egg

Check the marks BEFORE Record the return

Carry the egg BEFORE Record the return

Find the nest BEFORE Check the marks

Check the marks BEFORE Carry the egg

Read position 2 (positions start at 1).

Shell badge: _____

Dinosaur Egg Patrol

Player clue 4: Scales | Team 1

All parcels have the same whole-number weight. Use the first rule to find ONE parcel, then check it against the second rule.

3 parcels + 2 loose units = 20 units



2 parcels + 5 loose units = 17 units

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

All parcels have equal weight.

Scales badge: _____

Dinosaur Egg Patrol

Player clue 5: Nest | Team 1

Find the complete word NEST, reading to the RIGHT only. Close matches are decoys. Copy the digit immediately after the exact word.

Find NEST; only read to the RIGHT.

N	E	A	T	2	R	I	M
T	R	E	E	6	S	U	N
A	N	E	S	T	3	A	B
W	E	S	T	8	E	N	D

Answer = digit in the next square after the word.

Nest badge: _____

Dinosaur Egg Patrol

Player clue 6: Final | Team 1

Use your five badge digits to compare every clue column. Choose the single card matching ALL five digits, then enter its printed code.

C1=Trail / C2=Eggs / C3=Shell / C4=Scales / C5=Nest

Parcel A: code 0427

C1=5 / C2=7 / C3=4 / C4=6 / C5=3

Parcel B: code 4183

C1=5 / C2=8 / C3=4 / C4=6 / C5=3

Parcel C: code 4549

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

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, not at an exit.

2. Eggs

Check every rule, not only the first.

3. Shell

The printed arrangement is not the action order.

4. Scales

The loose units are separate from the equal parcels.

5. Nest

Look for N, then check every letter.

6. Final

Keep the five badge results visible. Every number has a badge name.

Dinosaur Egg Patrol

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

1. Trail

Move one square up, down, left or right. Walls cannot be crossed.

2. Eggs

Rule 2 says round = no. A positive match on one rule is not enough.

3. Shell

First find the action that must come before both middle actions.

4. Scales

Remove the loose units before sharing the remaining total.

5. Nest

A missing or swapped letter is not NEST.

6. Final

Use the order, slots, route or matching columns printed on this page.

Dinosaur Egg Patrol

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

1. Trail

Follow the open corridor and check each junction. Only one exit connects to S.

2. Eggs

Compare the three yes/no values in each row. Only one row matches the complete rule list.

3. Shell

Combine all five relations. The two middle actions also have a BEFORE relation.

4. Scales

Check the same whole-number result in BOTH equations.

5. Nest

After finding the whole word, copy the NEXT cell, not a digit elsewhere in the row.

6. Final

Compare all five columns, not just the first. Copy the code of the remaining card.

Dinosaur Egg Patrol

Team 1 badge record (no cutting needed)

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

Trail: _____

Eggs: _____

Shell: _____

Scales: _____

Nest: _____

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 birthday egg to its matching 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.

Mission complete! Dinosaur Egg Patrol is ready for its birthday celebration. Thank your team for sharing ideas and helping one another.

Date: _____

Host signature: _____

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