

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 prop sheets per team. Keep all host and hint pages with an adult.
2. Put clue pages 1-5 at the table. Place the final sheet face down until the five badges are collected.
3. Share pencils and choose a reader, recorder and path finder. Swap jobs after each clue.

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: 6

Trace the orthogonal path from S; the other exits are separated by walls.

2. Eggs: 6

Count each circle once; ignore the other shapes.

3. Shell: 5

The matching card has both triangle and plain; matching just one property is insufficient.

4. Scales: 1

Subtract 0 from 2, then divide by 2. Check the result in the balance rule.

5. Nest: 2

Align each position in strip A with the same position in strip B. Count every unequal pair once.

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.

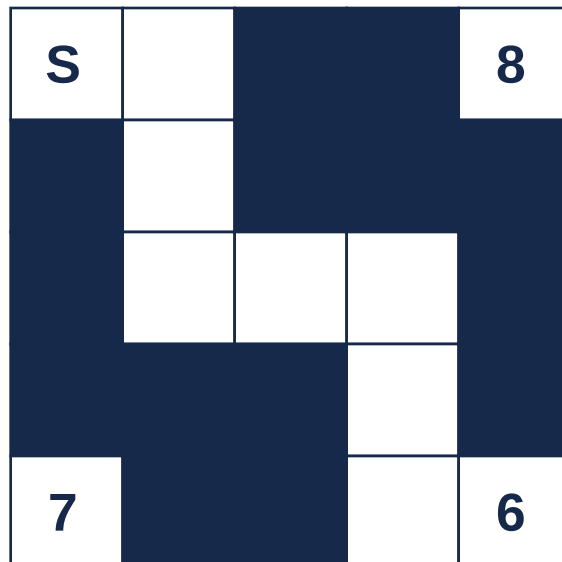
Duration and ages are estimates. Adjust pace and offer help for your group.

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

Count only the circle shapes. Write that number on your Eggs badge.

Start after badges: Trail.



circle



circle



circle



circle



circle



circle



star



star



star



star



star

Eggs badge: _____

Dinosaur Egg Patrol

Player clue 3: Shell | Team 1

Find the card with the same shape AND marking as the target. Copy its digit.

Start after badges: Eggs.

TARGET: triangle, plain



triangle / plain - digit 5



star / plain - digit 7



triangle / dots - digit 0

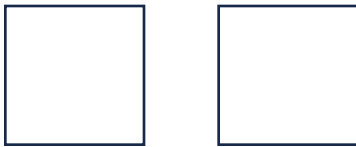
Shell badge: _____

Dinosaur Egg Patrol

Player clue 4: Scales | Team 1

Every parcel weighs the same whole number from 1 to 9. Use the balance rule to find the weight of ONE parcel.

2 parcels + 0 loose units = 2 units



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

All parcels have equal weight.

Scales badge: _____

Dinosaur Egg Patrol

Player clue 5: Nest | Team 1

Compare the two strips position by position. How many positions have different shapes? Count positions, not shapes.

Compare matching numbered positions.

A

















1

2

3

4

5

6

7

8

B

















1

2

3

4

5

6

7

8

Do not count title, labels, or boxes as differences.

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=6 / C2=6 / C3=5 / C4=1 / C5=2

Parcel B: code 4183

C1=6 / C2=7 / C3=5 / C4=1 / C5=2

Parcel C: code 4549

C1=6 / C2=6 / C3=5 / C4=3 / C5=2

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

Look for the word circle.

3. Shell

Compare two properties.

4. Scales

All parcels have the same weight.

5. Nest

Compare the first square in A with the first square in B.

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

Point to one circle at a time.

3. Shell

First find the same shape, then compare the marking.

4. Scales

Remove the loose weight from the total first.

5. Nest

Mark a pair only if its shapes differ.

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

Mark the circle shapes as you count, then check again.

3. Shell

Reject cards that agree on only one property.

4. Scales

Share the remaining weight equally among the parcels.

5. Nest

Count the marks, not the total number of printed shapes.

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 6-8. Estimated 30-40 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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