

Meteor Route Control

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

The route desk has one connected corridor, a fuel record and a coded waypoint. Use all five navigation checks to choose the route through the final stop network. 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.

Meteor Route Control

HOST ONLY - solution guide

1. Corridor: 7

The open corridor from S reaches row 5 column 5, exit 7; the other labelled exits are separated by walls.

2. Fuel: 1

Known stock: $12 + 2 - 2 = 12$. Closing stock 13 minus 12 gives the missing return 1. Cancelled +7 never arrived.

3. Pilot: 0

Ari has Radio; Kai has Map; Uma has Log. Uma's item gives 0.

4. Beacon: 7

The decoded word is SAFE; its row gives 7.

5. Point: 8

The route ends at row 3, column 3. That cell gives 8.

6. Final: 17807

Start > Stop 1 > Stop 2 > Stop 3 > Stop 4 > Stop 5 > Finish; Fuel > Beacon > Point > Pilot > Corridor

Meteor Route Control

HOST ONLY - timeline and paper check

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

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

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

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

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

4 minutes: Solve Point. 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 checked paper route is ready. The imaginary shuttle reaches its destination.

Thank your team for checking the evidence together. Confirmed final control code: 17807.

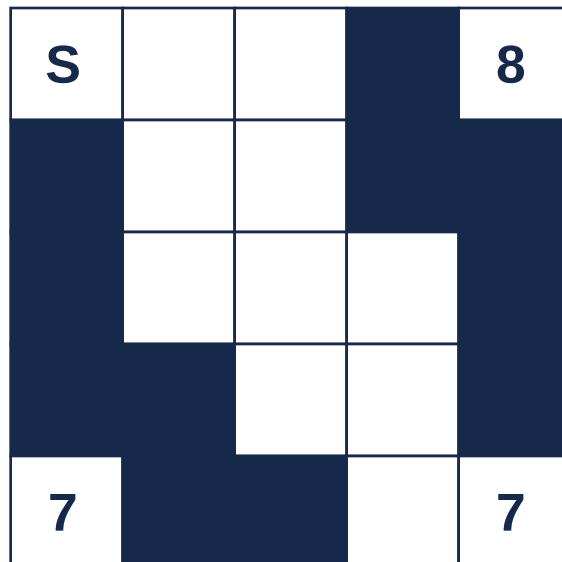
Duration and ages are estimates. Adjust pace and offer help for your group.

Meteor Route Control

Player clue 1: Corridor | Team 1

The route desk has one connected corridor, a fuel record and a coded waypoint. Use all five navigation checks to choose the route through the final stop network. Find five badge digits, then use the final sheet. Help each other and ask for hints.

Corridor 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.

Corridor badge: _____

Meteor Route Control

Player clue 2: Fuel | Team 1

Fuel desk: A return entry lost its amount. Use the opening and closing stock to find the missing return. Apply DONE entries; ignore the CANCELLED plan.

Opening stock: 12. Closing stock: 13.

Received: +2 DONE

Planned: +7 CANCELLED

Issued: -2 DONE

Returned: ? DONE

Missing return = ? units. Ignore cancelled plans.

Fuel badge: _____

Meteor Route Control

Player clue 3: Pilot | Team 1

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

Map

digit 4

Radio

digit 7

Log

digit 0

People: Ari, Kai, Uma

Ari does NOT have Map.

Kai does NOT have Radio.

Kai does NOT have Log.

Uma does NOT have Radio.

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

Pilot badge: _____

Meteor Route Control

Player clue 4: Beacon | Team 1

Beacon desk: Decode all shapes in message order. Repeated shapes repeat their letter. Convert the full word using the table.



triangle = S



square = A



circle = F



star = E



triangle



square



circle



star

SAFE = 7

BEAM = 0

DOCK = 3

Beacon badge: _____

Meteor Route Control

Player clue 5: Point | Team 1

Point desk: Start at S. Follow EVERY arrow one square, including revisited cells.
Record only the endpoint digit.

S: 8	0	2	4
1	3	5	7
4	6	8	0

down > right > right > up > left > down > right > down

One arrow = one square. S = start.

Point badge: _____

Meteor Route Control

Player clue 6: Final | Team 1

Find the route from Start to Finish visiting Stop 1-5. Reject branches that cannot finish. Join the badge digits in route order.

Start > Stop 1 OR Dead end

Stop 1 (Fuel) > Stop 2

Stop 2 (Beacon) > Stop 3 OR Dead end

Stop 3 (Point) > Stop 4

Stop 4 (Pilot) > Stop 5

Stop 5 (Corridor) > Finish

Required: Stop 1, 2, 3, 4, 5. Dead end has no exit.

Final badge: _____

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

Meteor Route Control

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

1. Corridor

Begin at S and trace only white cells.

2. Fuel

The missing amount is a return into stock. The cancelled delivery never happened.

3. Pilot

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

4. Beacon

Use the letter under each named shape.

5. Point

Move one square for each arrow. A revisit still counts as a move.

6. Final

Keep all five named badge results beside this sheet.

Meteor Route Control

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

1. Corridor

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

2. Fuel

Start with 12. Apply +2 then -2. Ignore the cancelled +7.

3. Pilot

Kai cannot have two items, so Kai must have Map.

4. Beacon

The first two shapes give S then A. Decode the remaining shapes the same way.

5. Point

After the first 4 arrows, you are at row 1, column 3. Continue from there.

6. Final

At Start, choose Stop 1. Dead end has no path to Finish.

Meteor Route Control

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

1. Corridor

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

2. Fuel

The known entries leave 12. How much must return to reach the closing stock of 13?

3. Pilot

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

4. Beacon

Write SA first, then one letter per remaining shape. Choose the table row matching the whole message.

5. Point

From that checkpoint follow left, down, right, down. Copy the last cell.

6. Final

Follow Stop 1, 2, 3, 4, 5 to Finish. Copy the badge digit beside each stop in that order.

Meteor Route Control

Team 1 badge record (no cutting needed)

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

Corridor: _____

Fuel: _____

Pilot: _____

Beacon: _____

Point: _____

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

Meteor Route Control

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.

Meteor Route Control

You're invited to a birthday mystery!

Join Birthday Explorer for Meteor Route Control.

Find a checked paper route past the meteor field.

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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Meteor Route Control

Birthday Mystery Explorer

Presented to Birthday Explorer

Team member: _____

For completing Meteor Route Control with curiosity,
teamwork and kindness.

The checked paper route is ready. The imaginary shuttle reaches its
destination. Thank your team for checking the evidence together.

Confirmed final control code: 17807.

Date: _____

Host signature: _____

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