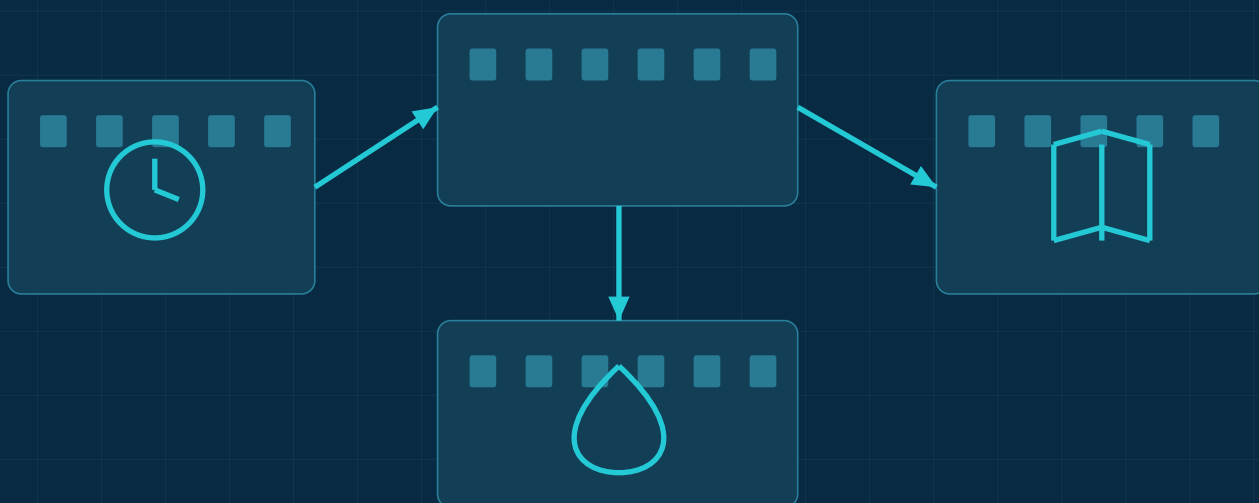


THE LAST DROP

CAMPUS COUNTDOWN

The festival is ready.
The dashboard is locked.
The missing water is your lead.

T - 45:00



PLAYER PACK

AGES 15+ / 3-5 PLAYERS / 60-75 MIN / B2-C1

A4 / SINGLE-SIDED / PRINT AT 100% / NO APP NEEDED



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The festival cannot open. Yet.

START HERE / FICTIONAL CAMPUS / WORLD WATER DAY

The school festival opens in an hour, but its dashboard has locked after detecting unexpected water use. Engineer Mara is inspecting the site while your team reconstructs the evidence. Your challenge is to secure a justified release without turning a plausible explanation into a proven fact. Drinking water and hygiene facilities remain available.

INCOMING / MARA, SITE ENGINEER

“I am checking the building. You have my paper records. Find the completed checks, reach the control desk and work out what the water figures really say. Do not let a confident headline replace evidence.”

Your mission

Solve five sealed files. Each gives a four-digit code. Show your reasoning to the host to unlock the next file. Keep all five codes for the final console. Your release authorises a response plan in the story; staff handle the real checks.

Game rules

Share clues aloud. Change roles after each file. Ask for hints without penalty. Use a calculator and dictionary if helpful. Search only the supplied paper: no real cupboards, taps, pipes or equipment. Nobody is locked in.

ON YOUR TABLE

Mission board + four role cards. Five files will arrive one at a time. A surprise message arrives after File 3. Finish with a 20-second radio update: what you found, what remains uncertain and what staff should do next.



Mission control

TEAM BOARD / KEEP ALL CODES / DO NOT CUT

TEAM CALL SIGN



01 / The engineer's log

VERIFIED CODE



02 / The campus route

VERIFIED CODE



03 / The missing water

VERIFIED CODE



04 / From school to sea

VERIFIED CODE



05 / The response plan

VERIFIED CODE

FINAL RELEASE

Radio update notes / One finding. One uncertainty. One next step.



Choose your crew

CUT FOUR ROLE CARDS / ROTATE AFTER EVERY FILE

Three players: combine Navigator and Reporter. Five players: add a second Evidence Checker. Roles organise the team; everyone may read, calculate and question.

01 CREW PASS

NAVIGATOR

Spread out the map and cards. Ask everyone to point to the clue that supports the route. Hand the role on after each file.

02 CREW PASS

EVIDENCE CHECKER

Watch for cancelled records, estimates and missing information. Ask: "Does this show what happened, or only what might have happened?"

03 CREW PASS

NUMBER KEEPER

Record all accepted codes and units. Explain each calculation so another player can check it. A calculator is welcome.

04 CREW PASS

RADIO REPORTER

Invite a different teammate to explain each answer. Deliver the team's code and reasoning to the host. Prepare the final short update.

TEAM AGREEMENT

No grabbing the cards. No silent solving. Before submitting a code, ask someone else to explain it. A hint is a tool, not a penalty.



The engineer's log

FILE 01 / CUT SIX RECORDS / KEEP THE INSTRUCTION STRIP

Reconstruct the sequence of four completed checks. Apply signed corrections, distinguish completion from booking, and exclude cancelled or unfinished work. Concatenate badge digits chronologically. The final badge grants your corridor access.

4

MAINTENANCE BADGE

PUMP CHECK

Scheduled 08:05; completed 08:40. The earlier appointment covered preparation only.

1

MAINTENANCE BADGE

DRAIN INSPECTION

Scheduled 08:15; cancelled at 08:17. No completed inspection is recorded.

8

MAINTENANCE BADGE

FILTER CHECK

Completion entered as 08:50. Signed amendment replaces this with 08:25.

6

MAINTENANCE BADGE

LAB VERIFICATION

Scheduled 08:20; completion confirmed at 08:55 after a second sample check.

3

MAINTENANCE BADGE

SENSOR CHECK

Scheduled 08:30; completed 08:10 after Mara brought the task forward.

9

MAINTENANCE BADGE

RESERVE TEST

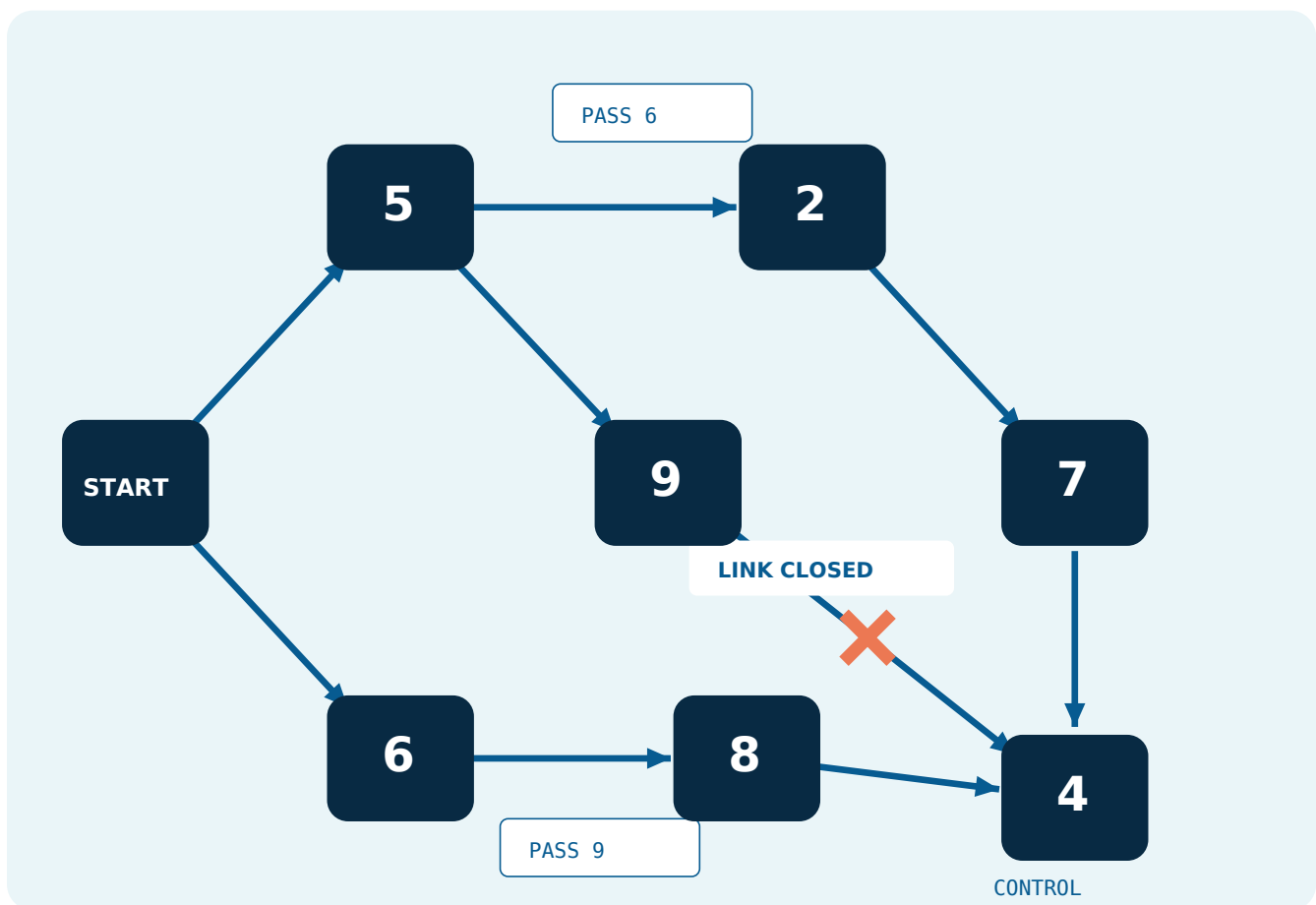
Initiated 08:00; aborted at 08:12. No completed test can be certified.



Find the control desk

FILE 02 / CAMPUS ACCESS MAP / FICTIONAL NETWORK

Use the final badge from File 1 as your corridor pass. Trace the permitted directed route from START to CONTROL 4, respecting the closure and pass restrictions. Concatenate visited checkpoint IDs, including the destination but excluding START.



MAP KEY

Arrows are one-way. PASS labels apply to the link directly below or above them: 5 → 2 requires pass 6; 6 → 8 requires pass 9. The link 9 → 4 is closed. All other links are open.

ACCESS CODE

Show the host your code and your reasoning. Keep every accepted code.

Where did the water go?

FILE 03 / METER DESK / USE THE FICTIONAL RECORDS

Calculate the volume between the two meter readings, convert it to litres and deduct recorded automatic use. The four-digit residual is the access code. Evaluate whether the estimated leak rate could account for it, and whether numerical agreement establishes the cause.

FRIDAY / 18:00

1520.000

m³ / CUMULATIVE METER

MONDAY / 06:00

1528.400

m³ / CUMULATIVE METER

SITE RECORD

The two readings are exactly 60 hours apart. No people were recorded on site. Automatic flushing used 1,200 litres. For the calculations, accept both readings and the automatic-use record as accurate.

MARA'S PENCIL NOTE / NOT A MEASUREMENT

"A leak might run at 2 litres per minute. I have not measured a leak or confirmed where it is. Please test the idea, not just the arithmetic."

Conversion: 1 m³ = 1,000 litres. 1 hour = 60 minutes.

Total litres: _____ Minus logged use: _____

Unexplained litres: _____ Estimated leak volume: _____

ACCESS CODE

Show the host your code and your reasoning. Keep every accepted code.



Reconnect the water story

FILE 04 / CUT SIX PLACE CARDS / USE WITH P08

Reconstruct the specified well-to-ocean pathway through the school. Select four place cards and order them between the printed endpoints. Use their IDs as the code. Respect the network described in the records rather than assuming a different local arrangement.

2

PLACE IN THE NETWORK

WASTEWATER PLANT

Treats used sink water arriving through the sewer, then discharges to the river. It is distinct from drinking-water treatment.

7

PLACE IN THE NETWORK

BOTTLED-WATER DEPOT

Road deliveries supply the stored bottles. The depot has no pipe connection to the school sink.

8

PLACE IN THE NETWORK

SCHOOL TAP + SINK

Receives treated water through supply pipes. After sink use, the water enters the sewer.

6

PLACE IN THE NETWORK

RIVER

Receives the wastewater plant's treated discharge and carries water towards the ocean.

3

PLACE IN THE NETWORK

RAINWATER TANK

Collects roof runoff for garden use. This fictional system has no connection from tank to school sink.

4

PLACE IN THE NETWORK

DRINKING-WATER PLANT

Treats groundwater abstracted from the well before distribution through pipes to school taps.



From school to sea

FILE 04 / ASSEMBLY BOARD / KEEP P07 BESIDE THIS PAGE

Lay your four chosen cards beside this board. Write their IDs in the empty boxes. The site record fixes the route: well water supplies the school sink; used sink water enters the sewer; treated discharge enters a river that reaches the sea.



GROUNDWATER WELL

START / WATER IS PUMPED TO THE FIRST PLACE



PLACE 1



PLACE 2



PLACE 3



PLACE 4



OCEAN

END / THE SCHOOL IS PART OF A CONNECTED SYSTEM

Before submitting: does water returning to the environment automatically return it to the same place, at the same time and with the same quality?

What should the school do?

FILE 05 / RESPONSE DECK A / PAIR WITH P10 + MARA'S UPDATE

Build a response package with one card for CHECK, RECORD, KEEP OPEN and REPORT, in that order. Meet all four requirements within an inclusive ten-credit budget. Incorporate Mara's update before choosing the public statement.

FOUR REQUIREMENTS / EXACTLY ONE CARD EACH

CHECK / Only authorised staff inspect; document findings.

RECORD / Compare two further 60-hour periods with occupancy and automatic-use logs.

KEEP OPEN / Protect drinking water and handwashing.

REPORT / Use the update accurately; distinguish change from proven cause.

7

RESPONSE OPTION

CHECK / 0 CREDITS

Delegate cupboard access and valve adjustment to the student festival team.

9

RESPONSE OPTION

CHECK / 3 CREDITS

Request an inspection by authorised staff, with a record of findings and any repairs.

1

RESPONSE OPTION

RECORD / 2 CREDITS

Compare two further 60-hour weekends, recording metered use, occupancy and automatic flushing.

8

RESPONSE OPTION

RECORD / 1 CREDIT

Photograph the next meter reading without recording occupancy or automatic consumption.



Protect access. Tell the truth.

FILE 05 / RESPONSE DECK B / TOTAL BUDGET: 10 CREDITS

Complete your package with one KEEP OPEN card and one REPORT card. Calculate the total cost of all four chosen cards. The statement must agree with Mara's new message.

2

RESPONSE OPTION

KEEP OPEN / 0 CREDITS

Suspend access to all drinking-water and handwashing points to minimise metered use.

5

RESPONSE OPTION

KEEP OPEN / 4 CREDITS

Maintain drinking-water access and hygiene facilities throughout the investigation.

3

RESPONSE OPTION

REPORT / 1 CREDIT

Recorded use fell by 6,600 litres; the cause remains unconfirmed and 600 litres are still unexplained.

6

RESPONSE OPTION

REPORT / 1 CREDIT

The reduction establishes that a leak was repaired and all avoidable use was eliminated.

RESPONSE PACKAGE

CHECK: ____ + RECORD: ____ + KEEP OPEN: ____ + REPORT: ____ credits

Total: ____ / 10 credits. Code: read the four selected card IDs in this same category order, not their costs.



The final release console

OPEN ONLY AFTER FILE 05 / ALL FIVE VERIFIED CODES REQUIRED

Enter the five verified access codes. Extract the digit at the indicated position in each row, counting from the left. Read the five extracted digits vertically and submit the final sequence with a defensible incident update.

**FILE 01**

TAKE DIGIT 2

				→	
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**FILE 02**

TAKE DIGIT 4

				→	
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**FILE 03**

TAKE DIGIT 1

				→	
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**FILE 04**

TAKE DIGIT 3

				→	
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**FILE 05**

TAKE DIGIT 2

				→	
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Final radio update / 20 seconds

Report the unexplained first-weekend volume, one limit of the evidence and a responsible next action. Explain one connection between the school and the ocean. Share the speaking if you wish.

The host checks the release code and your update. This is a paper simulation: it does not operate real infrastructure.

