Community Oven Orders

HOST ONLY - preparation and story

Includes answers. Keep these pages and all hint pages with the adult host.

Welcome to the community paper bakery. The model bakery has cooling and packing steps that must fit between the order checks. Your team has the original records on the table. First recover five pieces of information, then use the final plan to reconstruct the paper bakery run. Keep every result beside its badge so another teammate can check your reasoning.

1. Print the six player sheets and two record sheets for each team. Keep answers and hints with the host.

2. Lay out Event cards, Supply cards, the remaining clue sheets and the final plan. All task records are printed inside the sheets; no extra prop is needed.

3. After each clue, pass roles one seat clockwise. With two players, combine Reader with Recorder and Checker with Builder. With five or six, add a second checker and a source finder; everyone explains one decision.

4 players; 1 team. Give each team 6 player sheets and 2 record sheets. Share one host guide and one set of three hint levels.

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

Optional: 4 invitations or certificates, only if selected.

Community Oven Orders

HOST ONLY - solution guide

1. Order: B

The before relationships connect all four events. Place linked cards, check any immediate handoff and then read the specified position. Result: B.

2. Kit: E

Compare coverage before weight. Only complete kits qualify; minimize their combined weight and report the selected cards in alphabetical order. Result: E.

3. Window: TRAY-B

Add job time and travel time to each printed start. Compare the sum with both that window's end and the deadline, then reject early starts. Result: TRAY-B.

4. Record: WEST

Check source status first, then join the matching tag. The useful information comes from separate records, not their printed row order. Result: WEST.

5. Habitat: CARRY

Compare all printed features with every positive and negative requirement. Reject each near match using the particular requirement it fails. Result: CARRY.

6. Final: C-A-E-B-F-D

The five recovered order notes link all six events. Arrange them into one continuous order. Removing any link leaves two neighboring sections without a known order. Checked result: C-A-E-B-F-D.

Community Oven Orders

HOST ONLY - timeline, story and ending

3 minutes: Read the opening. Show the evidence record and choose starting roles.

5 minutes: Solve Order. Offer one hint at a time and rotate roles after checking.

5 minutes: Solve Kit. Offer one hint at a time and rotate roles after checking.

5 minutes: Solve Window. Offer one hint at a time and rotate roles after checking.

5 minutes: Solve Record. Offer one hint at a time and rotate roles after checking.

5 minutes: Solve Habitat. Offer one hint at a time and rotate roles after checking.

7 minutes: Build the six-event run sheet using all five results.

3 minutes: Read the ending. Ask each teammate to explain one rejected alternative.

After Kit: One time window can fit the work but fail the journey. Keep each order note beside its source. Pass the record sheet to a new checker before opening the next clue.

After Record: Four results are recorded. Each teammate points to a source supporting one result. Complete the fifth check before building the six-event run sheet.

Check every result using the solution guide. Offer the next hint only when requested; save the answer reveal until the group is ready.

The crew uses run sheet C-A-E-B-F-D; every recovered order note is respected. Thank each teammate for a different piece of reasoning.

Explain one tempting wrong choice and the evidence that ruled it out. Show how each of the five results affected the six-event run sheet. If a clue is missing, say what remains uncertain before reopening that sheet.

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

Community Oven Orders

Player clue 1: Order | Team 1

The model bakery has cooling and packing steps that must fit between the order checks. We will use the records on the table to reconstruct the paper bakery run. Share the reading, explain each choice and keep the five results for the final plan.

Arrange the four event cards using every witness note. "Immediately before" means there is no event between them. Report the requested position after the whole order has been checked.

Event cards

K: Pack rolls

M: Mix model dough

R: Cool tray

B: Bake model

S: Shape rolls

Witness notes

M is before S.

B is immediately before R.

S is before B.

R is before K.

Report the event ID in position 3.

Order result: _____

Community Oven Orders

Player clue 2: Kit | Team 1

Pack a kit that supplies all three needs. One card may cover two needs, but its weight is counted once. Choose the lightest complete kit within the carrier limit. Report its card letters alphabetically.

Supply cards

A: weight 3; gives cover+water

B: weight 2; gives food

C: weight 2; gives cover

D: weight 4; gives water+food

E: weight 4; gives cover+water+food

Packing order

Capacity 7; must cover cover, water, food.

Use the lightest complete kit. Each card once.

Write chosen card IDs alphabetically, with hyphens.

Kit result: _____

Community Oven Orders

Player clue 3: Window | Team 1

The team needs time for both the job and the journey. It cannot start before the earliest time, leave a window unfinished, or arrive after the deadline. Which departure window works? Times are minutes after opening.

Departure windows (minutes after opening)

TRAY-A: start 8; window ends 22

TRAY-B: start 16; window ends 31

TRAY-C: start 24; window ends 44

Work and travel

Earliest start 12; job 8 min.

Travel 6 min; arrival deadline 34.

Job + travel must both fit inside one window.

Report the only possible window ID.

Window result: _____

Community Oven Orders

Player clue 4: Record | Team 1

Use the order slips and tray book to follow the completed record. Match printed keys, then report the requested field. A planned or cancelled entry cannot prove a move.

Order slips

item: Tray | tag: PINE | status: draft

item: Rack | tag: WAVE | status: checked

item: Box | tag: STAR | status: cancelled

Tray book

tag: STAR | bay: NORTH

tag: PINE | bay: EAST

tag: WAVE | bay: WEST

Cross-check

Match A.tag to B.tag.

A.status is not cancelled.

A.status is not draft.

Report B.bay.

Record result: _____

Community Oven Orders

Player clue 5: Habitat | Team 1

The collection note describes a lid, depth and handle. Find the box profile that meets the full note; do not choose a box by shape alone.

Order-box profiles

ROUND: lid=round; depth=deep; handle=yes

FLAT: lid=square; depth=shallow; handle=yes

TALL: lid=square; depth=deep; handle=no

CARRY: lid=square; depth=deep; handle=yes

Required features

lid must be square.

depth must not be shallow.

handle must be yes.

Report the one matching card ID.

Habitat result: _____

Community Oven Orders

Player clue 6: Final | Team 1

Each recorded result recovers one order note. Use all five notes to put the six named events in order. A>B means A happens before B. Write all six event IDs from first to last; check that every note is satisfied.

Use your results from: Order, Kit, Window, Record, Habitat.

Run sheet
A: Mix dough
B: Bake model
C: Read order
D: Pack order
E: Shape rolls
F: Cool tray
Recovered order notes
Order: K=A>C; B=C>A
Kit: E=A>E; A-B=E>A
Window: TRAY-A=B>E; TRAY-B=E>B
Record: WEST=B>F; NORTH=F>B
Habitat: ROUND=D>F; CARRY=F>D
Order rule
A>B means A happens before B. Use all five notes.
Report all six event IDs in order, with hyphens.

Final result: _____

Ask your host to check your final result and read the ending.

Community Oven Orders

Hint level 1 - HOST ONLY

1. Order

Read the event letters and all three witness notes.

2. Kit

Read each supply card and the three required needs.

3. Window

Look at earliest start, each window end and the arrival deadline.

4. Record

Start with the status field in Order slips.

5. Habitat

Read the order-box profiles and the requirements.

6. Final

Keep the five named results beside the final plan and find the key for each badge.

Community Oven Orders

Hint level 2 - HOST ONLY

1. Order

Join immediately-before pairs as a block; other before notes set the direction between blocks.

2. Kit

A light card alone may leave a need uncovered; a shared supply counts for both needs.

3. Window

The journey uses time as well as the job; add both to the start of each window.

4. Record

The tag links an item to a bay; rows in separate records need not line up.

5. Habitat

Compare the same named feature across cards; check negative requirements as carefully as positive ones.

6. Final

Each badge controls a different fact, road leg, order note, pulse or habitat layer. Use the matching key exactly once.

Community Oven Orders

Hint level 3 - HOST ONLY

1. Order

Try the remaining positions, then check every note against your full order before reading the requested position.

2. Kit

Compare complete combinations, adding each chosen card weight once. Reject any combination over the limit before choosing the lightest.

3. Window

Check all three conditions for each window. A slot can be long enough yet start too early or arrive too late.

4. Record

Keep only entries meeting every status test. Follow each printed join to the report field; do not guess from row position.

5. Habitat

Keep a card only if it passes every requirement. Point to the failing feature before crossing out each alternative.

6. Final

Check the completed product against all five recovered facts. If two answers remain, locate the fact that distinguishes them rather than guessing.

Community Oven Orders

Team 1 result record

Write the complete result from each clue. Results can be words, routes, orders, settings or numbers.

Order: _____

Kit: _____

Window: _____

Record: _____

Habitat: _____

Keep this record beside the final clue. Copy results exactly, including any leading zero.

Reader / Recorder / Evidence checker / Route or model builder

After each clue, pass roles one seat clockwise. With two players, combine Reader with Recorder and Checker with Builder. With five or six, add a second checker and a source finder; everyone explains one decision.

Community Oven Orders

Team 1 final result and celebration

Our final challenge: Final

We combined our earlier clues to decide:

_____

_____

We know it works because:

_____

_____

Host: compare the result with your solution guide. Read the ending when it matches, then let the team explain one discovery.

No physical lock or prize is required. Draw a celebration star here if you like.

Community Oven Orders

You're invited to a mystery!

Join Birthday Explorer for Community Oven Orders.

The model bakery has cooling and packing steps that must fit between the order checks. Work together to reconstruct the paper bakery run.

Date: _____

Time: _____

Place: _____

Bring your curiosity. Paper and pencils are provided. Share ideas and solve six clues together.

Designed for ages 8-10. Estimated 35-50 minutes.

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Community Oven Orders

Mystery Explorer

Presented to Birthday Explorer

Team member: _____

For completing Community Oven Orders with curiosity, teamwork and kindness.

The crew uses run sheet C-A-E-B-F-D; every recovered order note is respected. Thank each teammate for a different piece of reasoning.

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Host signature: _____

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