Friendly Dragon Delivery

HOST ONLY - preparation and story

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

Welcome to the friendly dragon post. The dragon can carry every bundle, but narrow gates limit the loads on its ground route. Your team has the original records on the table. First recover five pieces of information, then use the final plan to choose the dragon delivery route. 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 Travel map (one way), Bundle list, 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.

Friendly Dragon Delivery

HOST ONLY - solution guide

1. Path: S-A-C-F

Discard closed roads and paths missing A. Add the costs of every remaining edge; the lowest eligible total determines the whole route. Result: S-A-C-F.

2. Record: EAST

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

3. Flight: 6

The only order is Read address > Pack gift > Check gate > Deliver gift. Position 2 carries 6. Result: 6.

4. Load: 7

Remove 4 from 18; share 14 among 2 parcels to get 7. Check 2 x 7 + 3 = 17. Result: 7.

5. Code: 1

The decoded word is WING; its row gives 1. Result: 1.

6. Final: B-C-F-G-K

Recover all five loads. The cheaper road works for a small load; a large load needs the higher-capacity road. The resulting five-leg route records every necessary decision. Checked result: B-C-F-G-K.

Friendly Dragon Delivery

HOST ONLY - timeline, story and ending

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

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

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

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

7 minutes: Build the five-leg delivery route using all five results.

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

After Record: A cheap road can still fail a load limit or miss a required stop. Keep cost and capacity as separate checks. Pass the record sheet to a new checker before opening the next clue.

After Load: Four results are recorded. Each teammate points to a source supporting one result. Complete the fifth check before building the five-leg delivery route.

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

The delivery follows route B-C-F-G-K; every road can carry its assigned load. 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 five-leg delivery route. 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.

Friendly Dragon Delivery

Player clue 1: Path | Team 1

The dragon can carry every bundle, but narrow gates limit the loads on its ground route. We will use the records on the table to choose the dragon delivery route. Share the reading, explain each choice and keep the five results for the final plan.

Trace a legal supply journey from S to F. The map's arrows are one-way roads. Visit every required stop, stay inside the travel budget and use the cheapest complete journey. Report all stop letters.

Travel map (one way)

S > A: 2 units

S > B: 1 units

A > C: 2 units

B > C: 2 units

C > F: 2 units

B > F: 2 units

A > F: 7 units

Journey rules

Start S; finish F; limit 7 units.

Visit A. Use the least total cost.

Write every stop in order, with hyphens.

Path result: _____

Friendly Dragon Delivery

Player clue 2: Record | Team 1

Use the bundle list and gate register to follow the completed record. Match printed keys, then report the requested field. A planned or cancelled entry cannot prove a move.

Bundle list

item: Gate | tag: PINE | status: checked

item: Bridge | tag: WAVE | status: cancelled

item: Ridge | tag: STAR | status: draft

Gate register

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: _____

Friendly Dragon Delivery

Player clue 3: Flight | Team 1

Flight desk: Combine every BEFORE rule to order the four actions. Write positions on the whole-sheet cards. Read position 2.

Pack gift [6]	**Deliver gift [0]**
Check gate [8]	**Read address [4]**

Read address BEFORE Check gate

Pack gift BEFORE Deliver gift

Check gate BEFORE Deliver gift

Read address BEFORE Pack gift

Pack gift BEFORE Check gate

Read position 2 (positions start at 1).

Flight result: _____

Friendly Dragon Delivery

Player clue 4: Load | Team 1

Load desk: Every parcel has the same whole-number weight. Remove loose units, find ONE parcel and check the second rule.

2 parcels + 4 loose units = 18 units

2 parcels + 3 loose units = 17 units

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

All parcels have equal weight.

Load result: _____

Friendly Dragon Delivery

Player clue 5: Code | Team 1

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

hexagon = W triangle = I square = N circle = G

hexagon triangle square circle

WING = 1

MAIL = 4

LAMP = 7

Code result: _____

Friendly Dragon Delivery

Player clue 6: Final | Team 1

Use each result to recover the load for its leg. At each leg choose the cheapest road that can carry that load. A road with too little capacity is closed to this cargo. Report the five road IDs in journey order.

Use your results from: Path, Record, Flight, Load, Code.

Cargo key, one leg at a time
Leg 1 (Path): S-A-F=2; S-A-C-F=4
Leg 2 (Record): EAST=2; NORTH=4
Leg 3 (Flight): 0=2; 6=4
Leg 4 (Load): 1=4; 7=2
Leg 5 (Code): 1=4; 4=2
Roads: load capacity / travel cost
1: B 6/4 | A 3/2
2: C 3/2 | D 6/4
3: F 6/4 | E 3/2
4: G 3/2 | H 6/4
5: K 6/4 | J 3/2
Route rule
Choose the cheapest road carrying each load.
Report the five road IDs in leg order, with hyphens.

Final result: _____

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

Friendly Dragon Delivery

Hint level 1 - HOST ONLY

1. Path

Find S, F, the required-stop list and any CLOSED edge.

2. Record

Start with the status field in Bundle list.

3. Flight

Find all the event cards and the before notes.

4. Load

Find the equal parcels and the separate loose units.

5. Code

Find the symbol key and the message strip.

6. Final

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

Friendly Dragon Delivery

Hint level 2 - HOST ONLY

1. Path

A cheap shortcut is not a complete journey if it skips a required stop.

2. Record

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

3. Flight

Connect cards linked by the notes; a card position is counted from the beginning of the completed order.

4. Load

Remove the loose units before sharing the remaining weight among equal parcels.

5. Code

Use the same key every time a symbol repeats. Read the message in its printed order.

6. Final

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

Friendly Dragon Delivery

Hint level 3 - HOST ONLY

1. Path

List the legal complete paths, add their edge costs and compare only paths that meet every condition.

2. Record

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

3. Flight

Check every before relationship, then read only the requested position. The printed card arrangement is not the answer order.

4. Load

Find one parcel from the first equation, then substitute that weight into the second equation before recording it.

5. Code

Write the complete decoded word, check every symbol, then use the conversion row for that exact word.

6. Final

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

Friendly Dragon Delivery

Team 1 result record

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

Path: _____

Record: _____

Flight: _____

Load: _____

Code: _____

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.

Friendly Dragon Delivery

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.

Friendly Dragon Delivery

You're invited to a mystery!

Join Birthday Explorer for Friendly Dragon Delivery.

The dragon can carry every bundle, but narrow gates limit the loads on its ground route. Work together to choose the dragon delivery route.

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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Mystery Explorer

Presented to Birthday Explorer

Team member: _____

For completing Friendly Dragon Delivery with curiosity, teamwork and kindness.

The delivery follows route B-C-F-G-K; every road can carry its assigned load. Thank each teammate for a different piece of reasoning.

Date: _____

Host signature: _____

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