

Robot Talent Show

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

The robot stage manager has lost the program control code. Match each performer to its act, repair the battery log and decode the stage note before rebuilding the code. 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.

Robot Talent Show

HOST ONLY - solution guide

1. Act: 4

Bolt has Song; Cog has Dance; Dot has Juggle. Bolt's item gives 4.

2. Power: 4

Known stock: $12 + 3 - 2 = 13$. Closing stock 17 minus 13 gives the missing return 4. Cancelled +7 never arrived.

3. Song: 7

The decoded word is SHOW; its row gives 7.

4. Program: 3

The only order is Test sound > Check light > Load program > Start show. Position 2 carries 3.

5. Stage: 4

B3, C1, D2, A1 reads SHOW. The conversion table gives 4.

6. Final: 43474

Power > Program > Stage > Song > Act

Robot Talent Show

HOST ONLY - timeline and paper check

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

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

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

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

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

5 minutes: Solve Stage. 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 restored program control code starts the robot show. Thank your team for checking the evidence together. Confirmed final control code: 43474.

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

Robot Talent Show

Player clue 1: Act | Team 1

The robot stage manager has lost the program control code. Match each performer to its act, repair the battery log and decode the stage note before rebuilding the code. Find five badge digits, then use the final sheet. Help each other and ask for hints.

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

Dance

digit 1

Song

digit 4

Juggle

digit 7

People: Bolt, Cog, Dot

Bolt does NOT have Dance.

Cog does NOT have Song.

Cog does NOT have Juggle.

Dot does NOT have Song.

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

Act badge: _____

Robot Talent Show

Player clue 2: Power | Team 1

Power 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: 17.

Received: +3 DONE

Planned: +7 CANCELLED

Issued: -2 DONE

Returned: ? DONE

Missing return = ? units. Ignore cancelled plans.

Power badge: _____

Robot Talent Show

Player clue 3: Song | Team 1

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



square = S



circle = H



star = O



diamond = W



square



circle



star



diamond

SHOW = 7

GEAR = 0

RAIL = 3

Song badge: _____

Robot Talent Show

Player clue 4: Program | Team 1

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

Start show [7]

Check light [3]

Test sound [1]

Load program [5]

Test sound BEFORE Load program

Check light BEFORE Start show

Load program BEFORE Start show

Test sound BEFORE Check light

Check light BEFORE Load program

Read position 2 (positions start at 1).

Program badge: _____

Robot Talent Show

Player clue 5: Stage | Team 1

Stage desk: Read the letter at each coordinate, in order. Letter = column; number = row. Convert the complete word using the printed table.

Columns: A, B, C, D. Rows: 1, 2, 3.

1	W	N	H	U
2	Q	T	W	O
3	V	S	B	E

SHOW = 4

GEAR = 7

RAIL = 0

READ COORDINATES IN ORDER:

B3 > C1 > D2 > A1

Stage badge: _____

Robot Talent Show

Player clue 6: Final | Team 1

Read your five badge digits in the printed order. Join them with no spaces, keeping zeroes.

Power ?	Program ?	Stage ?	Song ?	Act ?
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Read left to right. Keep every digit, including zero.

Final badge: _____

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

Robot Talent Show

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

1. Act

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

2. Power

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

3. Song

Use the letter under each named shape.

4. Program

The printed cards are deliberately out of order.

5. Stage

Columns A-D run left to right. Rows 1-3 run top to bottom.

6. Final

Keep all five named badge results beside this sheet.

Robot Talent Show

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

1. Act

Cog cannot have two items, so Cog must have Dance.

2. Power

Start with 12. Apply +3 then -2. Ignore the cancelled +7.

3. Song

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

4. Program

Test sound must come first. Work out which action comes directly after it.

5. Stage

The first coordinate B3 means column B, row 3. Its letter is S.

6. Final

Begin with Power, then Program.

Robot Talent Show

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

1. Act

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

2. Power

The known entries leave 13. How much must return to reach the closing stock of 17?

3. Song

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

4. Program

The first two actions are Test sound, then Check light. Finish the chain and read position 2.

5. Stage

Begin with S, then read C1, D2, A1 in order. Use the complete word's conversion row.

6. Final

Copy one digit per printed badge box from left to right. Do not sort by clue number; zero remains a digit.

Robot Talent Show

Team 1 badge record (no cutting needed)

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

Act: _____

Power: _____

Song: _____

Program: _____

Stage: _____

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

Robot Talent Show

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.

Robot Talent Show

You're invited to a birthday mystery!

Join Birthday Explorer for Robot Talent Show.

Recover the control code for the robot show program.

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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Robot Talent Show

Birthday Mystery Explorer

Presented to Birthday Explorer

Team member: _____

For completing Robot Talent Show with curiosity, teamwork and kindness.

The restored program control code starts the robot show. Thank your team for checking the evidence together. Confirmed final control code: 43474.

Date: _____

Host signature: _____

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