Robot Talent Show

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

The birthday team has arrived, but one important part of the celebration is missing. Put the robot acts into the birthday show order. Collect five named badge digits, then use the final sheet to finish your mission. All the clues you need are printed here. Work together and ask for a hint whenever you want.

1. Print one player pack and two prop sheets per team. Keep all host and hint pages with an adult.

2. Put clue pages 1-5 at the table. Place the final sheet face down until the five badges are collected.

3. Share pencils and choose a reader, recorder and path finder. Swap jobs after each clue.

Players: 4; teams: 1. Print one player and prop set per team. Invitations and certificates: 4 each.

No locks, purchases or cutting required. Keep all clues at a low table. Scissors are optional and for adults only.

Robot Talent Show

HOST ONLY - solution guide

1. Act: 8

Only one card has craters=yes and tail=no.

2. Power: 5

Subtract 1 from 11, then divide by 2. Check the result in the balance rule.

3. Song: 2

Replace every symbol with its letter, including repeated symbols. Convert the decoded word using the printed table.

4. Program: 5

The rules form one chain: Pack the bag > Reach the station > Board the train > Arrive at the party. Read card 2.

5. Stage: 0

Move exactly one orthogonal square per arrow; copy only the value at the endpoint.

6. Final: 20855

badge-order: Song > Stage > Act > Program > Power. Keep leading zeroes.

Robot Talent Show

HOST ONLY - timeline and paper check

3 minutes: Read the opening story and explain the badges.

5 minutes: Solve Act; offer one hint at a time.

5 minutes: Solve Power; offer one hint at a time.

5 minutes: Solve Song; offer one hint at a time.

5 minutes: Solve Program; offer one hint at a time.

5 minutes: Solve Stage; offer one hint at a time.

5 minutes: Combine the badges on the final sheet.

2 minutes: Read the ending and award certificates.

Paper completion: check each badge against the solution guide, then check the final code. No device is required.

Mission complete! Robot Talent Show is ready for its birthday celebration. Thank your team for sharing ideas and helping one another.

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

Robot Talent Show

Player clue 1: Act | Team 1

Welcome, birthday explorers! Put the robot acts into the birthday show order. Find five badge numbers. Use them on the last page. You can help each other and ask me for hints.

Choose the card that matches BOTH required properties. Copy its digit.

Rule: craters = yes

Rule: tail = no

Act A - digit 8
craters: yes / tail: no

Act B - digit 2
craters: no / tail: no

Act C - digit 4
craters: yes / tail: yes

Act badge: _____

Robot Talent Show

Player clue 2: Power | Team 1

Every parcel weighs the same whole number from 1 to 9. Use the balance rule to find the weight of ONE parcel.

Start after badges: Act.

2 parcels + 1 loose units = 11 units

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

All parcels have equal weight.

Power badge: _____

Robot Talent Show

Player clue 3: Song | Team 1

Use the symbol key to decode the message. Use the word-to-number table to turn the word into a digit.

Start after badges: Power.

triangle = T square = W circle = O

triangle square circle

TWO = 2

Song badge: _____

Robot Talent Show

Player clue 4: Program | Team 1

Use the BEFORE rules to put the four cards in order. Take the number on card 2.

Board the train [7]	**Pack the bag [3]**
Arrive at the party [0]	**Reach the station [5]**

Pack the bag BEFORE Reach the station

Reach the station BEFORE Board the train

Board the train BEFORE Arrive at the party

Read position 2 (positions start at 1).

Program badge: _____

Robot Talent Show

Player clue 5: Stage | Team 1

Start at S. Follow each arrow by one square in the listed order. Record the number on your final square.

S: 7	**8**	**9**	**0**
1	**2**	**3**	**4**
5	**6**	**7**	**8**

down > right > right > up > right

One arrow = one square. S = start.

Stage badge: _____

Robot Talent Show

Player clue 6: Final | Team 1

Read your badge digits in the printed order below. Join them without spaces to finish the mission.

Song	Stage	Act	Program	Power
?	?	?	?	?

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

A card must satisfy both rules.

2. Power

All parcels have the same weight.

3. Song

The same symbol always means the same letter.

4. Program

Use the written rules rather than the printed card order.

5. Stage

Start at the top-left S square.

6. Final

Keep the five badge results visible. Every number has a badge name.

Robot Talent Show

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

1. Act

Cross out any card that fails one condition.

2. Power

Remove the loose weight from the total first.

3. Song

Write one letter under every symbol.

4. Program

Find the card that has no earlier card.

5. Stage

One arrow means one square, even if the next square looks interesting.

6. Final

Use the order, slots, route or matching columns printed on this page.

Robot Talent Show

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

1. Act

Check the remaining card against both properties before copying its digit.

2. Power

Share the remaining weight equally among the parcels.

3. Song

Read the letters from left to right and use the printed number table.

4. Program

Place each card immediately after its predecessor; count positions from one.

5. Stage

Trace each move with a pencil and mark the final square.

6. Final

Start with the Song badge, then follow the printed rule.

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.

Put the robot acts into the birthday show order.

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 35-45 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.

Mission complete! Robot Talent Show is ready for its birthday celebration. Thank your team for sharing ideas and helping one another.

Date: _____

Host signature: _____

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