

# 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.

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## 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

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## 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.