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 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.

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: 5

A fails striped; C fails not-round; only B meets all three requirements and gives 5.

2. Power: 4

Subtract 2 from 14, divide by 3 to get 4. Check 2 × 4 + 5 = 13.

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: 20554

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.