Things to note before you begin OnStage…

* Maximum 5 team members
* 2m x 2m dance floor for the robots, boundary marked with 50mm black tape
* NOVICE groups (less than 2 years’ experience) can have a roll out mat but it must fit within the boundary (50mm black tape)
* Robot construction and programming is exclusively the students
* Robots are not to be reused robots from previous years
* Costumes are students’ own work
* Music selected is appropriate (no violent or sexual lyrics/sounds)
* Performance goes for longer than ONE minute but no longer than TWO minutes
* As well as the performance, students must participate in an Interview, and complete a [Technical Description Paper](https://www.robocupjunior.org.au/wp-content/uploads/2021/02/Official-2021-RCJA-OnStage-Technical-Description-Paper-METC.pdf)
* Check the rules and score sheets for complete info here: <https://www.robocupjunior.org.au/onstage/>

**Checklist for each session**

|  |  |
| --- | --- |
|  | Allocate roles for the session   * programmer/s * robot design and construction * log book writer and photographer * robot costume design and construction * prop design and construction.   This is a robotic competition NOT a costume design competition! Programming the robot comes before costume/prop making. |
|  | Complete a logbook entry – including any issues and a photo |
|  | Ensure the robot is moving in time to the music or movements compliment the music. |
|  | Back up your program file and logbook on a USB |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Programmer** | **Robot construction**  Image result for EV3 robot | **Log book author/**  **photographer**  Image result for book | **Robot costumes**  Image result for pipecleaner googly eyes | **Props construction**  Image result for props |

**Before competition checklist**

|  |  |
| --- | --- |
|  | Practice setting up, performing and packing up within 6 minutes (Who is cueing the music player to start your song? Who is starting the robots? Who brings/takes off on what props?) |
|  | Practice for your interview (it’s worth 50% of your mark!) |
|  | Complete the Technical Description Paper and submit it online |
|  | Fully charge robot and computer |
|  | Transfer song onto a USB (the song should be the only data on USB) or upload it online |
|  | Pack your audio USB and a backup copy of your song |
|  | Pack robots, chargers, computer, computer charger |
|  | Pack costume repair kit (scissors, sticky tape, blu tac etc) |
|  | Pack spare Lego parts |

**During performance**

* Total performance time limit is 6 minutes (including set up and pack up)
* Robots must perform with the stage floor
* Point deducted for making contact with robot during performance (except when starting robot)
* Request a restart from judges (wait until approval) – a point will be deducted
* Can not restart after 1 minute of performance
* Maximum of 2 restarts