

# LEGO MINDSTORMS CHALLENGE

## TECHNICAL SPECIFICATIONS

When the Generation Science team visit your school we want to provide the best possible experience for you and your pupils. These are the technical specifications for our **Lego Mindstorms Challenge** workshop. Please read this information carefully to ensure you understand our requirements.

### WORKSHOP NAME:

Lego Mindstorms Challenge

### PERFORMANCE LENGTH:

90 minutes

### AUDIENCE CAPACITY:

30 children

### AGE SUITABILITY:

Primary 4-7 / ages 7-12

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### CONTENT INFORMATION:

- › This interactive workshop provides an introduction to programming. Pupils will learn the basics as they work in pairs to programme their own robot to complete a series of tasks.
- › In this workshop pupils will work in up to 10 groups, each with 2 or 3 participants – to save time the teacher can organise groups before we arrive.
- › They will work at their desks assembling programmes and then run their robots on the arena tables.





### ACCESS REQUIREMENTS FOR OUR TEAM:

- › Our team will visit your school with a transit van. Upon arrival, they require vehicle access close to the event space so that they can easily carry in their props and equipment.
- › They also require space to park the vehicle for the duration of their visit.
- › Please make sure that you inform us in advance if there is a requirement for roadside loading/unloading or any other restrictions for vehicles.
- › The team also require access to suitable toilet facilities on the day.
- › To set up, they require full access to the space at least 60 minutes prior to the scheduled workshop start time.
- › To dismantle equipment they require full access to the space for a minimum of 45 minutes after the audience have left.

### THE PERFORMANCE SPACE REQUIRED:

- › This workshop needs to be delivered in a large classroom (we recommend around 10m x 10m space overall).
- › We need some layout flexibility within the space, which should include sufficient tables for each child to have a workspace. We also require space for our robot arenas – we will provide two trestle tables for this, each 150cm x 75cm.
- › Power is required for this show – our team need access to 3 double sockets in the working area.
- › If you are booking a series of workshops throughout the day, the equipment will need to remain set up in the original classroom or space for all sessions.

### PUPIL SUPERVISION AND ACCESS:

- › A member of staff must stay with the class at all times while they are in the performance space, ideally this would be the class teacher to allow for follow up work after the activity.
- › This supervisor/class teacher will remain responsible for the evacuation of the class in the event of an alarm and first aid requirements as in any normal school day.
- › If there are any pupils in the group who have specific additional support or access requirements, we expect you to provide the relevant support to meet their needs as in any normal school day. However, please also contact our sales team in advance on **0131 553 0321** and reiterate their requirements to our staff on the day so we can do our best to assist you in accommodating their needs.

Any queries or concerns? Contact our Generation Science sales team who will be happy to help, email [generationscience@scifest.co.uk](mailto:generationscience@scifest.co.uk) or call **0131 553 0321**

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