

# DRAGSTER RACE



## DURATION

90 – 120 minutes  
(Depending on guest numbers)



## REQUIREMENTS

Flat surface! Tennis court in size ideally - so all of grass, Tennis courts, car park, tarmac & gravel are OK.



## GUEST NOS.

10 - 210 guests



SEE THE EVENT IN ACTION!



**Take a step into the unknown and unusual, by designing, building and finally testing your very own Dragster Car in this highly unique and engaging team-based event!**

Each team is given the same equipment to build their own model-sized racing Dragster – yet only one team shall emerge victorious in the final drag race...meaning that testing, design and collaboration as a team ultimately determine the outcome.

Using modelling foam to build the chassis of the car, teams must balance the many variables including aerodynamics, weight and of course style – to create the fastest model Dragster known to man!

The Dragsters also require a sturdy base, as once built there shall be the opportunity for test runs before several timed races – taking place on our specially designed track complete with barriers and cables attached to cars, to avoid spectacular crashes and ensure the safety of those attending.

The team recording the highest average speed across the races shall be declared the winning team, with additional prizes available for those teams who favour outright speed over reliability... and those for whose designs are more tortoise than hare!

*“Definitely one of the best, if not the best session of its kind” Coca Cola*



# DRAGSTER RACE

## DETAILS

### INTRODUCTION

After an initial briefing and introduction from our Event Manager, each team is given identical equipment – modelling foam to be used as the primary base for the dragsters, along with the essentials such as wheels/axis, and the non-essentials such as sand weights and craft supplies.

### THE TASK

Teams must design and build their dragster to two (often competing) specifications, namely, to be fastest whilst also meeting exacting safety standards!

*The challenge is to balance aerodynamic qualities with the correct amount of weight (downforce) in the dragster, to ensure that it stays on the ground once it has a miniature rocket applied for the racing phase!*

### THE RACES

Using our custom-made 4 lane track, each dragster is secured to our safety wire to ensure the safety of all spectators – and must then burn along the track in record time, triggering our electronic timers to record the fastest time possible.

However, it is not just the quickest top speed that wins... but the team with the highest average speed over several races (time permitting), thereby rewarding those dragsters designed for a long time rather than a quick time!

Speed testing over, the teams shall also be challenged with a stunt race – to see whose dragster performs best when not just travelling in a straight line...

### FINALE

Points will be awarded to the winners and runners up in each of these trials, with bonus points awarded for the most aesthetically pleasing of the dragsters as well.

Each member of the winning Team will be awarded a medal!

