

# **Gravity Racing Challenge**

## **Mini Car Team & Coaches Competitions**

### **& Mini Car Shell Design Competition**

#### **For Grades 3-12**

#### **Mini Car Team & Coaches Competitions Overview & Rules**

The Mini Car Team & Coaches Competitions is open only to schools/youth organizations who have registered their team(s) for this year's Gravity Racing Challenge STEM Team Competition at Derby Downs in Akron, OH.

Team members and coaches for each registered GRC Team may participate in the Mini Car Team Competitions.

There will be two Mini Car Competitions—one for the GRC team members (students/youth) and one for the GRC team coaches for each of these grade levels:  3-5  6-8  9-12

If you need to purchase any Mini Car kits for coaches or team members, please visit store:  
Grades 3-5 (Mini Stock Car Kit) [Mini Stock Soap Box Derby Car – Soap Box Derby](#)  
Grades 6-High School (Mini Super Stock Car Kit) [Mini Super Stock Soap Box Car – Soap Box Derby](#)

Each team member and coach participating will bring his/her Mini Car to their school/organization's Team Day at Derby Downs to participate in Mini Car timed & recorded runs on a Mini Car Track.

The top 3 fastest recorded times in the Team and Coaches Mini Car Competitions will receive 1<sup>st</sup> through 3<sup>rd</sup> place awards following their scheduled GRC STEM Team Race.

#### ***Rules***

- Each registered GRC team may enter one Soap Box Derby (SBD) Mini Car per team member for a maximum of 10 Mini Cars per team. Each team may also enter one SBD Mini Car for each of their coaches for a maximum of 2 Mini Cars per team.
- Each participant may only use SBD Mini Car kits.
- Each Mini Car entered in this competition must use only the car parts supplied in the kit. No additional parts may be use.
- Each Mini Car must be assembled according to instructions.
- There is no weight limit. You may use as many or few of the 10 large and 10 small washers included in the kit.

- You may place any number of these 20 washers on the 5 bolts. The only requirement is that the Mini Car shell must be able to be placed securely on the floorboard.
- Coaches must register each of their Team members and coaches participating in these competitions by April 28<sup>th</sup> deadline.
- Coaches must bring each registered team member & coach's Mini Car to Team Day at Derby Downs to participate in Mini Car timed & recorded runs on a Mini Car Track.
- After the Mini Car timed & recorded runs, coaches will be responsible to collect and to take their teams and coaches' Mini Cars back to their school/organization to distribute.
- The Soap Box Derby is not responsible for any lost or misplaced Mini Car.

### **Mini Car Shell Design Competitions Overview & Rules**

The Mini Car Shell Design Competition is open only to schools/youth organizations who have registered their team(s) for this year's Gravity Racing Challenge STEM Team Competition at Derby Downs in Akron, OH.

Team members for each registered GRC Team may participate in the Mini Car Shell Design Competition.

There will be a Mini Car Shell Design Competition for GRC team members for each of these grade levels:  3-5  6-8  9-12

Judging for Best Shell Design will be based on the following:

- Shell design must include a minimum of two (2) different art elements (e.g. line, shape, texture, form, space, color, value...) to create a theme or brand.
- Theme or brand must reflect either or both of the following areas—your GRC Team and/or school/organization.
- Use any of the art supplies approved by your Coach to decorate the shell (e.g. permanent markers, glitter, paint, mailing labels with computer graphics, art sequins...
- Creativity, appearance, appeal

After judging and determining the top 3 finishers for each of the divisions, 1<sup>st</sup> through 3<sup>rd</sup> place awards will be presented following their team's GRC STEM Race at Derby Down.

### ***Rules***

- Each registered GRC team may enter one Soap Box Derby (SBD) Mini Car Shell Design per team member for a maximum of 10 Mini Cars per team.

- If this Mini Car will also be participating in the Mini Car timed & recorded runs on a Mini Car Track, its shell design must not interfere with or impede its Mini Car's timed run or negatively affect, in any way, the Mini Car track.
- Each participant may only use SBD Mini Car kits.
- Each Mini Car entered in this competition must use only the car parts supplied in the kit. No additional parts may be used.
- Each Mini Car must be assembled according to instructions.
- Coaches must register each of their Team members and upload photos of their Mini Car Shells who are participating in this competition by April 28<sup>th</sup> deadline.