



## 2014 Awana Grand Prix Rules

### Qualification

1. All registered Awana Sparks and T&T may design, build and enter cars to participate in the annual "Awana Grand Prix" event. Only one entry may be submitted per clubber.
2. All registered Awana Puggles and Cubbies may race their favorite Hot Wheels/Matchbox car down the track in their separate race
3. Adults and Teens may design, build and race their car in our Open Class.

### Essential Materials

All Cars entered shall be constructed from the "Official Awana Grand Prix Car Kit" during the current Awana Year. Kits will be available during Awana Nights or at the EMBC Welcome Center.

### Car Construction and Design

1. Weight: Race cars may weigh no more than five (5.0) ounces total weight as determined on the official scale during the inspection and registration periods. The official scale will be available at the Pit Party car building clinic and during race day registration.
2. Size: Race cars may be no longer than 7 inches, nor wider than 2.75 inches, nor taller than 3 inches in overall height as determined by the official gages during check in. Underside clearance of at least 3/8 inches and inside wheel to wheel clearance of at least 1.75 inches is required so the car will run on the race track.
3. Wheels and Axles: The car shall roll on the wheels from the Awana kit, and the wheels shall turn about the axles from the kit. The axles shall be firmly affixed to the wood of the car body, but use of the pre-made 'axle grooves' is not required. It must be obvious to the judges that the wheels and the axles from the Awana kit are being used.
4. Wheel Treatment: A light sanding to remove flaws is allowed as long as the wheel retains the original width and diameter from the original kit wheels. Wheel shape may not be altered from the original condition (i.e. rounded, beveled, cupped, etc.).
5. Unacceptable Wheel/Axle Construction: The following may NOT be used in conjunction with the wheels or axles: washers, inserts, sleeves, bearings, etc. No material other than the wood block may touch the inside hub of the wheel.
6. Weights and Attachments: Weights and attachments may be added to the car and will be considered part of the car for purposes of all measurements. Weights and attachments are considered to be any material on the car that is not provided in the kit. All weights and attachments must be securely fastened to the car.

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7. Lubricants: Lubricants must be dry at the time of inspection and racings. Lubricants may not foul the track, so all excess lubricants shall be wiped off. There is a 'pit area' setup at the race for application of all lubricants.
8. Staging: No part of the car is to extend over the top of the starting pin.

### **Race Day – Registration**

1. Cars must be weighted and registered no later than 10 minutes before race time.
2. Following weigh in and registration, cars must be taken to the staging table. The car must remain on the table until the driver is called to prepare to race.

### **Race Day Rules**

1. Driver, parents, and race officials are the only people allowed to handle a race car. Driver and parents are requested to handle only their car. PLEASE DO NOT TOUCH ANYONE ELSE'S CAR.
2. Only officials and current heat drivers are allowed in the track area.
3. DO NOT RUN in the race area, nor touch the race track.

### **Race Heat Rules**

1. Report to the staging area when your name is called.
2. Enter the track area and place your car at the starting gate when instructed to do so by a race official.
3. Once your car is at the starting gate, WALK to the finish line and have a seat until the race is completed.
4. Once the heat is complete and a race official has instructed you to do so, pick up your car and return it to the starting gate for the next heat.
5. At the conclusion of the race, return your car to it's designated spot on the staging table.

### **Hints**

1. Preparation of the car body, usually the funnest part of the project, should be done first.
2. For speed, it is most important to use auto shop sandpaper to remove any burrs from the metal axles, then smoothing each axle with a finer grit sandpaper and finishing with a fine polish. The axles and wheels should be installed last, after body prep.
3. Wheel alignment is also very important. Make sure the axles are installed in parallel so the car rolls straight. Test how straight the car rolls on a clean flat surface before making adjustments.