

# Official Bondurant Federated Church's Awana Grand Prix Rules

## I. GENERAL RULES: (Applies to all Race Events)

**G-1. Qualification:** All registered Awana T & T clubbers and junior high Awana Trek kids who have passed 10+ sections (T&T) or 5 lessons (Trek) may design, build and enter cars that are eligible to participate in the annual "Awana Grand Prix" event. Additionally there will be a separate race for high school, LIT's, Leaders, Parents of Awana kids.

**G-2. Essential Materials:** All cars entered shall be constructed from the "Official Awana Grand Prix Car Kit" (referred to below as the kit). Pinewood Derby kits from the Scouts are slightly different and are not eligible.

**G-3. Competition Groups:** There will be three or four competition groups depending on number of entrants. One group will consist of clubbers from 3rd - 4th graders, the second group will consist of clubbers from 5th - 6th Graders and may include 7<sup>th</sup> – 8<sup>th</sup> graders depending on the number of entrants, and the Open Division consisting of Sparks, 7<sup>th</sup> – 12<sup>th</sup> graders, or any Awana leaders or parents of Awana clubbers. There may also be a Special Open Division for anyone else from church. The number of competition groups may change, depending upon the number of racers that enter.

**G-4. Competition Events:** There will be two competition events, "Speed" and "Design".

- Speed Event – This will consist of a series of head to head races with the winners advancing to a championship race. The top 3 finishers will receive trophies.
- Design Event – All cars will be evaluated for Representation (how well the car resembles what it is meant to be), Construction (how well constructed, painted and use of extras), and Creativity (how much thought went into choosing design, originality).

**G-5. Attendance:** Each clubber MUST enter his/her own car. This means that the clubber must be present at registration to enter his/her car into competition. However, if a clubber is ill and unable to attend the race, the car may still be entered into the design competition, but not the speed competition.

**G-6. "New Work":** Construction of ALL entries MUST have begun AFTER the start of the current Awana year.

**G-7. Single Entry per Person:** Only one car may be registered per clubber participating in the Grand Prix.

**G-8. Race Day Inspection and Pre Race Registration:** Each car must pass a technical inspection before it may compete. This inspection will be from 9:00 – 9:45 am of the race day and all clubbers must check their cars in at that time unless prior arrangements have been made. All participants must fill out a registration form to receive an official car kit and number.

**G-9. Failure to Pass Inspection:** The Inspection Judges shall disqualify cars that do not meet the rules as described herein. If a car does not pass inspection, the owner will be informed of the reason his/her car did not pass. Cars that fail the race day inspection will only have until the end of the inspection period to make any necessary modifications; otherwise the car will not be allowed to compete.

**G-10. Car Numbers:** Clubbers will have the option of choosing a number for their car, from 1 to 99, on a first-come-first-served basis. Clubbers that do not choose a car number will have one assigned to them. This number is not necessarily the number that will be used during the race for heat and lane assignments. The number used for race scheduling and scoring, if different from the car number, will be written on a sticker and attached to the underside of the car during registration.

**G-11. Impound:** No car may be altered in any way after it has been registered and inspected. After a car passes inspection, the Grand Prix Race Committee will store it in the 'impound' area until race time.

**G-12. Decisions:** All decisions made by the Grand Prix Coordinators are final.

## II. GRAND PRIX RACE CAR DESIGN STANDARDS

**T-1. Material:** Race cars shall be constructed for this event from the parts contained in the Official Awana Grand Prix Kit (referred to below as the kit) as sold by Awana Clubs International. Materials from the kit may not be replaced, but "Add-On's" may be used and are encouraged.

**T-2. Weight:** Race cars may weigh no more than five (5.00) ounces (total weight) as determined on the official scale during the inspection and registration periods. The official scale will be available on Wednesday nights during club, the workshop, pre-race registration and during race day registration.

**T-3. Wheels and Axles:** The car shall roll on the wheels from the kit. 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 kit are being used.

**T-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.).

**T-5. Unacceptable Wheel/Axle Construction:** The following may NOT be used in conjunction with the wheels or axles: hubcaps, washers, inserts, sleeves, bearings.

**T-6. Size:** Race cars may be no longer than 7 inches, not wider than 2-3/4 (2.75) inches, nor taller than 4 inches, as determined by the official gages during registration. Underside clearance of at least 3/8 (0.375) inches and inside wheel to wheel clearance of at least 1-3/4 (1.75) inches is required, so that the car will run on the race track.

**T-7. 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, e.g. by permanent glue, nails or screws, but not by "sticky substances", e.g. tape, or tack spray. Weights and attachments shall be passive (i.e. non-moveable, non-magnetic, non-sticky, etc.).

**T-8. Gravity Powered:** The race car may not be constructed or treated in such a way that the track's starting mechanism imparts momentum to the car. (For instance, this provision disqualifies cars with sticky substances on the front of the car and protrusions that may catch on the starting pin.)

**T-9. Lubricants:** Lubricants must be dry at the time of inspection and racing. Lubricants may not foul the track, so all excess lubricant shall be wiped off. There will be a "Lubrication Area" set up at the race for application of all lubricants, as these can be quite messy. **Once the car passes inspection and is impounded, no further lubrication will be allowed.**

**T-10. Staging:** The entire car must stage behind the starting pin. No part of the car is to extend over the top of the starting pin or on the side of it.

**T-11. Body:** The car body may have no moving parts.

## III. MISCELLANEOUS

**M-1.** Awana Clubs International strongly urges the participation of both parents/guardians and clubbers in constructing the car. **The clubber should be allowed to do as much of the construction as possible.**

**M-2.** For additional information on how to make a better looking, faster race car, or just to get car design ideas, search the web or check out these web sites (sample only and not an endorsement):

Pinewood Derby SuperSite  
The Pope's Place  
Darin McGrew's Shape'N Race Derby  
Derby Talk

<http://www.inetworld.net/bosworth/>  
<http://www.stanpope.net/pwportal.html>  
<http://www.rahul.net/mcgregw/derby/>  
<http://derbytalk.com/>