

# Official 2020 Westoplex Grand Prix Rules

## The following competitions will be held:

- Races for Trailmen by Official rules
- Races for siblings, parents and friends by Official rules
- A Renegade Race for everyone by Renegade rules.
- A car design competition for Trailmen

## TLUSA Trailmen races

- Official Westoplex Grand Prix car design rules apply.
- The cars for these races should be built as much as possible by the Trailman. We understand and encourage the Trailman and his parents to work together on the car. However, the Trailman should be the driving force in design and construction.
- TLUSA Trailmen will be competing against each other by patrol and receive one set of trophies (1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup>) will be given out for that age group.
- TLUSA patrol winners will compete for Grand Champion, Reserve Grand Champion, and Runner up trophies.

## Siblings, Parents and Friends Races

- This competition is for siblings, parents and friends of TLUSA Trailmen (including AHG).
- Official Westoplex Grand Prix car design rules apply.

## Renegade Race

- This competition is open to all Westoplex Grand Prix attendees.
- Official Westoplex Grand Prix car design rules **DO NOT** apply.
- Unofficial Renegade Race rules do apply, including some design limitations for safety.

## Design Competition

- A best design trophy will be awarded to the winner of the design competition.
- Open only to Trailmen. No parents.
- The car must be registered under a category at time of check-in.
- Renegade cars cannot be entered.
- Categories for design are:
  - Military Cars must represent the US Armed forces
  - Most Authentic should resemble a real car or truck
  - Star Wars must represent a Star Wars theme
  - Lego must represent a Lego or contain secured Lego parts
  - Video Game must represent a video game (no blood, gore, etc.)
  - Biblical must be Bible character, theme or scene
  - Mid-Evil must represent something from the mid-evil times
- Please note that design cars must meet all the official Westoplex Grand Prix car design rules, e.g., size and materials.
- Design cars will be judged on the following:
  - Originality-How much creative thought went into the design?
  - Craftsmanship -How much work actually went into making the car?
  - Category-How well does it fit the design category?
- Add-ons and displays are great for showing off your design car at home, in a Troop meeting, and at the Westoplex Grand Prix, so displays for design cars will be allowed at the Westoplex Grand Prix and will be included in judging.

## General Grand Prix Guidelines

- Each youth participant should build his or her own car, with adult supervision. Adults should not build cars while the youth watches.
- **Each car should be built new each season.** Do not recycle last year's fastest car, best wheels, etc.
- Check-in and payment for all cars will take place online by date publish on registration web site. **NO EXCEPTIONS.** This will allow us to schedule all the races ahead of time and hopefully reduce the wait time before racing. Weigh-in and youth photo will be taken on the morning of the event.
- Participants may all submit one car for their official race and one car for the Renegade Race if they choose.
- **\*\*\*IMPORTANT\*\*\*** Youth may participate in both the design and speed competitions with one car. Please note that Renegade Race cars only compete for speed.
- The Renegade Race is a speed-only competition with an award for the 1st winner and 2nd and 3rd place certificates for the other winners.
- Youth should wear their Class A Uniforms, if possible, and must be present to participate in the Westoplex Grand Prix.
- Westoplex Grand Prix officials reserve the right to determine each car's eligibility or ineligibility to race if an unfair practice is discovered that is not covered in the car design rules. The officials' objective is to hold a race that is fair for all the Trailmen participating. The individual whose car is in violation of the rules will be given the opportunity (time permitting) to make their car eligible to race.
- TLUSA encourages good sportsmanship. A car will may be disqualified if a Trailman, a Trailman's parent or guardian, or a Trailman's sibling displays unsportsmanlike conduct at the race. Remember, the object is for everyone to have a great time.

**\*\*\*Race officials will be on the lookout for pre-cut cars that can be purchased online. Please follow the rules and start with the standard block.\*\*\***

# Official Westoplex Grand Prix Rules

## TLUSA, Siblings, Parents and Friends Races

### Dimensions

- The overall length of the car shall not exceed 7".
- The overall width of the car shall not exceed 2-3/4".
- Wheelbase (distance between the axles) must not exceed the distance between the pre-cut axle slots on the standard pinewood block, i.e., 4-3/8". Shortening the wheelbase will be permitted.
- The car must have 1-3/4" inches clearance between the wheels.
- The car should have 3/8" clearance underneath the body so it does not rub on the track.
- The entire car must stage behind the track starting pin, centered at the front of the car.

### Weight

- The car weight shall not exceed 5.0 ounces.
- The official race scale that is used at car check-in shall be considered final.

### Wood, Wheels and Axles

- A pinewood block must be used. The block may be shaped in any way that is desired. **Pre-cut cars are not permitted.**
- "Official" AWANA wheels must be used. The wheels may be lightly sanded or polished to remove bumps and blemishes. They must not be ground down, grooved, hollowed out, carved, cut, shaved, or otherwise redesigned. Original ridges and raised letters must still be visible.
- Common style axles (commonly known as nails) must be used. The axles may be altered and polished. Powdered graphite and powdered Teflon may be used for lubrication. No liquid lubricants are allowed.
- Details such as the steering wheel, fins, driver, decals, painting, and interior detail are permissible if these details do not exceed the maximum length, width, and weight specifications and are securely fastened to the car.

## **Prohibited Modifications**

- No wheel shall ride upon the center guide strip. No extra guide pins, rollers, or wheels designed to ride on or against the center guide strip will be allowed.
- Wheel bearings, washers, bushings, inserts, and hubcaps are prohibited.
- The car must not ride on any type of springs or suspension system.
- No magnets of any type are allowed.
- No starting devices or powered propulsion of any kind. The car must be freewheeling.
- No loose material of any kind, such as lead shot, may be used. All parts must be securely fastened to the car.
- No moving or liquid weights are allowed.
- No race car may be constructed 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 which may catch on the starting pin.
- No part of the car may extend forward of the point where the car touches the starting point.

## **Other Rules**

- Each car must pass inspection at check-in order to be allowed to compete.
- Cars that fail to pass inspection will not be registered.
- If, at registration, a car does not pass inspection, the owner will be informed of the reason for the failure and will be given time (5 minutes) to make any necessary adjustments.
- After final approval, cars will not be re-inspected unless the car is damaged in handling or in a race.
- Once a car passes inspection and is registered, only Troop leaders and race committee members can touch it.
- If the car loses a wheel, or is otherwise damaged, the racer shall have 5 minutes to make a repair.
- If a car leaves its lane, at his sole discretion, the track chairman may inspect the track and, if a track fault is found that probably caused the initial violation; the track chairman may order the race to be rerun after the track is repaired.
- If, during a race, no car reaches the finish line on the track, the car which went the farthest in its lane shall be declared as the heat winner.

# "Unofficial" Renegade Race Rules

Open to All Attendees

## Dimensions

- The overall length of the car shall not exceed the length of the track.
- The overall width of the car shall not exceed one lane (it's hard to race against other cars if you don't leave them room).
- The car must fit under the scoring mechanism. Please email the track chairman at [wfordveterinarydentalervices@gmail.com](mailto:wfordveterinarydentalervices@gmail.com) if you are concerned that your car may be too tall.
- The car must have 1-3/4" clearance between the wheels.
- The car should have 3/8" clearance underneath the body so it does not rub on the track.

## Weight

- Who cares? It goes faster downhill if it's heavier, right?

## Wood, Wheels, and Axles

- Wood from the pinewood block must be used somewhere on the car and be visible without a magnifying glass.
- "Official" AWANA wheels must be used. You may modify them as you see fit. See the above "prohibited" items in the official rules for ideas.
- No liquid lubricants are allowed.
- Axles must be used.

## Prohibited Modifications and Power Sources

For the safety of the venue, our audience, and race officials, the following materials and modifications are not permitted:

- Combustion engines
- Antimatter
- Lasers Rockets
- Fireworks
- Explosives of any kind

- Batteries over 24 volts
- Fission or fusion powered engines
- Small animals, whether intended as a driver or propulsion method
- Mentos/Diet Coke propulsion systems

## **Other Rules**

- Each car must pass inspection by the official Inspection Committee before it will be allowed to compete.
- Cars that fail to pass inspection will not be registered.
- If, at registration, a car does not pass inspection, the owner will be informed of the reason for failure and will be given time to make any necessary adjustments.
- After final approval, cars will not be re-inspected unless the car is damaged in handling or in a race.
- Once a car passes inspection and is registered, only Troop leaders and race committee members can touch it.
- If the car loses a wheel, or is otherwise damaged, the racer shall have 5 minutes to make a repair.
- If a car leaves its lane, at his sole discretion, the track chairman may inspect the track and, if a track fault is found that probably caused the initial violation; the track chairman may order the race to be rerun after the track is repaired.
- If, during a race, no car reaches the finish line on the track, the car which went the farthest in its lane shall be declared as the heat winner.

If you have any questions about the Westoplex Grand Prix rules, please send an email to [wfordveterinarydentalservices@gmail.com](mailto:wfordveterinarydentalservices@gmail.com).