



General rules

1. **The models must be original designs, built by the competitors.**
2. **Modifications of existing sets are not allowed, except in the 42205 BuWizz MOD category.**
3. **Non-LEGO sets and parts are forbidden.**
4. Regardless of category, **all models must be built from unmodified LEGO pieces.** The only allowed exceptions are custom stickers, rope, rubber bands, BuWizz motors and bricks and lubrication.
5. Only BuWizz powered vehicles are allowed to compete.
6. Only one vehicle per competitor is allowed to compete in a category.
7. Every competing model will be marked with a unique number.
8. Vehicles must look realistic with a minimum of a cabin, a seat the size of a 24116 panel and a steering wheel (naked chassis is not allowed, realistic spacing between seat and steering wheel is required).
9. Each category will have its own category winners.
10. Competitors will have 15 minutes of practice time on tracks before each race.
11. **If there are less than 5 competitors per category, there will be no rewards.**
12. **For between 5 and 9 competitors per category, there will be only the reward for the winner.**
13. **If there are at least 10 competitors per category, there will be three rewards for top 3 competitors.**



1. 42205 Chevrolet Corvette Stingray BuWizz MOD competition

General rules:

1. The purpose of this entry category is to allow newcomers to partake in a competition with mechanically identical base models.
2. Each base model must be built exactly as per 42205 BuWizz MOD instructions.
3. Only deviation from the instructions allowed is in the colors of the pieces and in use of lubrication for the base model.
4. You're allowed to add additional decorative bricks, but not remove anything from the base model.
5. Any kind of custom stickers are allowed.
6. Around 4 competitors will race simultaneously on the same track as Trophy trucks category minus the jumps.
7. Each model will be inspected before the competition.
8. Disabled (mechanically broken down) models will be removed from the race.
9. If a model flips and is still drivable, it can be put back on its wheels without penalty.
10. Each model will have an independent spotter assigned, who will check lap progression.
11. Positions will be awarded according to final times.
12. Race time will be limited to 10 minutes not finishing the course in time will result in DNF.
13. Starting positions will be assigned randomly.



2. Unlimited off-road race

General rules:

1. Off-road race will be held on a course with a mix of fast straights and challenging terrain.
2. The course will be routed in laps, each competitor must complete 1 lap.
3. One competitor will compete at once.
4. Each model will have an independent spotter assigned, who will check for penalties and race laps progression.
5. Models must drive through the gates, breaking them results in 10 seconds penalty added to the scoreboard for each occurrence.
6. Touching gates without breaking them results in no penalties.
7. If a model gets stuck, disabled, flipped or needs assistance, 10 seconds penalty will be added to the scoreboard for each occurrence.
8. The only exception to above rule is using a winch to pull if a model has one.
9. Positions will be calculated according to final times + penalties.
10. Race time will be limited to 10 minutes. If competitor will not finish the race in 10 minutes, the last gate passed will be scored.

Model specific rules:

1. Wheeled and tracked vehicles are allowed.
2. An unlimited number of PF, PU, or BuWizz motors is allowed for any function.
3. Any kind of suspension system is required.
4. Due to the race course size, width of the models is limited to 30 cm.
5. Each model will be inspected before the competition.
6. Same models will be used for the buggy race

Recommendations:

1. Unique designs and color combinations are encouraged to differentiate models.
2. Expect rough physical contact during races and build the body appropriately.
3. Due to the expected high speeds of these models, there may be running involved.



3. Trophy truck competition

General rules:

1. Trophy trucks racers competition will be held on combination of a flat foam track, smooth stone and jumps in a course of 10 laps.
2. The course will have a mix of fast straights and sharp corners and jumps of up to 10 cm.
3. Around 4 competitors will race at once.
4. Disabled (mechanically broken down) models will be removed from the race.
5. If a model flips and is still drivable, it can be put back on its wheels without penalty.
6. Each model will have an independent spotter assigned, who will check for lap progression.
7. Points will be awarded according to final times
8. Race time will be limited to 10 minutes, not finishing the course results in a DNF.
9. Starting positions will be assigned randomly.

Trophy racers specific rules:

1. Only wheeled vehicles are allowed, maximum allowed tire size is 62.4 mm.
2. Unlimited number of PF, PU, or BuWizz motors is allowed for any function.
3. Size of the models is limited to a maximum width of 17,5 cm, length of 45 cm and height of 30 cm
4. Model has to feature a working shock absorber based suspension on all wheels.
5. Each model will be inspected before the competition.

Recommendations:

1. Use the latest compact suspension components available.
2. High steering angle and accuracy is recommended with proper geometry.
3. AWD might be helpful on smooth stone surface.
4. Foam track has a very high traction and rolling resistance, higher torque output is recommended.
5. Concentrate more on maneuverability, accuracy and acceleration than top speed, since bumping into foam sidewalls slows down models a lot.
6. Unique designs and color combinations are encouraged to differentiate models.
7. Expect very rough physical contact and crashes during the race.



4. Trial Truck competition

General rules:

1. Truck Trial is less about speed, but more about accuracy and maneuverability.
2. Competition will be held on a mix of natural and artificial track that will be set up on the spot.
3. Gate width is limited to 25 cm.
4. One competitor will compete at once.
5. Each model will have an independent spotter assigned, who will check for penalties.
6. Models must drive through the gates, depending on the gate color points will be added for passing.
7. Touching gates carries a 3 point penalty.
8. Moving the gate removes 10 points.
9. Green gate adds 1 point, yellow gates 3 points and red gates add 5 points.
10. If a model gets stuck, disabled, flipped or needs assistance, or can't pass a gate, 10 points are removed.
11. The final scoring system will probably be fine tuned at the event itself.
12. If the competitors have same amount of points, the time will decide the final score.
13. Race time will be limited to 15 minutes. If competitor will not finish the race in 15 minutes, the points up to the last gate passed will be scored.
14. Final position will be calculated according to the total number of points.

Trial Truck specific rules:

1. Only wheeled models are allowed.
2. Tyre size is limited to a maximum of 82 mm diameter.
3. Maximum 2 BuWizz, 3 PF XL, 4 PU XL, 4 PU L or 4 PF L motors are allowed for driving.
4. Unlimited number of others motors is allowed for other functions.
5. Each model needs to use some type of suspension.
6. All wheel drive is required.
7. Skid steering is allowed.
8. A working fake engine and steering wheel are required.
9. Cabin has to feature at least one proportional sized seat and a working steering wheel.
10. Each model must look like a truck (not a pickup, but a truck-truck, lorry, etc.)
11. Gate width is limited to around 25 cm, so models should be narrower than that.
12. Each model will be inspected before the competition.



Recommendations:

1. Making the model as compact as possible will leave you more space to navigate the gates.
2. Unique designs and color combinations are encouraged to differentiate models.
3. Expect rough physical contact during trials and build the body appropriately.
4. Concentrate more on maneuverability, accuracy, suspension and climbing performance, than top speed.



5. Buggy racers

General rules:

1. Buggy racers competition will be held partly on a dirt course with ramps reaching 30 cm drop height
2. The course will be routed in laps.
3. Some 4 competitor will compete at once for 3-5 laps.
4. If a model flips and is still drivable, it can be put back on its wheels without penalty.
5. Each model will have an independent spotter assigned, who will check for lap progression.
6. Positions will be awarded according to final times.
7. Race time will be limited to 10 minutes, not finishing the course results in a DNF.

Model specific rules:

1. Same models used in Unlimited category will be used for the Buggy racers.
2. No changes are allowed, not even switching gear ratios, unless there is a motorized gearbox.

Recommendations:

1. This category is focused on toughness and endurance.
2. Focus on having enough torque to drive over grass, ramps and obstacles.
3. Suspension and model should be designed so it can survive hard landings.
4. I recommend using hubs to hold the wheels in place.
5. Unique designs and color combinations are encouraged to differentiate models.
6. Larger models might be more stable, especially when landing off ramps.
7. Lighter models might be tougher.