



General rules

- 1. The models must be original designs, built by the competitors.**
- 2. Modifications of existing sets are not allowed, except in the 42176 BuWizz MOD category.**
- 3. Non-LEGO sets 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 and a steering wheel (naked chassis is not allowed, realistic spacing between seat and steering wheel required).
9. Each category will have its own category winners, except SUMO bots.
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.**
- 14. Competitors must compete in at least two of the categories.**
- 15. You have to build a new model for every category, re-using previous year's models is not allowed.**



1. 42176 BuWizz MOD competition

General rules:

1. The purpose of this entry category is to allow newcomers to partake in a competition with mechanically identical models
2. Each model must be built exactly as per 42176 BuWizz MOD instructions, found on our webpage:
https://buwizz.com/wp-content/uploads/BuWizz_motorized_42176_Porsche.pdf
3. Only deviation from the instructions allowed is in the colors of the pieces and in use of lubrication.
4. Any kind of custom stickers are allowed.
5. Around 4 competitors will race simultaneously on the same track as 1:12 racers
6. Each model will be inspected before the competition.
7. Disabled (mechanically broken down) models will be removed from the race.
8. If a model flips and is still drivable, it can be put back on its wheels without penalty.
9. Each model will have an independent spotter assigned, who will check lap progression.
10. Points will be awarded according to final times, last competitor receiving 10 points, second to last 20 points, each faster competitor +10 points, etc...
11. Race time will be limited to 10 minutes, not finishing the course in time will result in receiving zero points.
12. 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. Points will be awarded according to final times, last competitor receiving 10 points, second to last 20 points, each faster competitor +10 points, etc...
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.

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. 1:12 racers competition

General rules:

1. 1:12 racers competition will be held on a flat foam track in a course of 10 laps.
2. The course will have a mix of fast straights and sharp corners.
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, last competitor receiving 10 points, second to last 20 points, each faster competitor +10 points, etc...
8. Race time will be limited to 10 minutes; not finishing the course in time will result in receiving zero points.
9. Starting positions will be assigned randomly.

1:12 racers specific rules:

1. Only wheeled vehicles are allowed.
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 (1:12 scale)
4. Model has to feature at least two of the following features: Suspension, working steering wheel, openable doors, working fake engine.
5. Each model will be inspected before the competition.

Recommendations:

1. Use the current 1:12 scale line-up as a guideline for size, style and general shape of your racer such as 42176, 42154, etc...
2. High steering angle and accuracy is recommended with proper geometry.
3. Foam track has a very high traction and rolling resistance, higher torque output is recommended.
4. Concentrate more on maneuverability, accuracy and acceleration than top speed, since bumping into foam sidewalls slows down models a lot.
5. Unique designs and color combinations are encouraged to differentiate models.
6. Expect very rough physical contact and crashes during the race.



4. Mid scale Trial Truck competition

General rules:

1. Mid scale Truck Trial is less about performance, 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. Track width is limited to around 30 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, touching them results in 10 seconds penalty added to the scoreboard for each occurrence.
7. If a model gets stuck, disabled, flipped or needs assistance, 10 seconds penalty is 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. Points will be awarded according to obstacles passed, with each obstacle successfully passed worth 10 points.
10. If the competitors have same amount of pints, the time will decide the final score.
11. 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.

Mid scale Truck Trial specific rules:

1. Only wheeled models are allowed.
2. Tyre size is limited to 81 - 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, no skid steering allowed.
7. A working fake engine and steering wheel are required
8. Cabin has to feature at least two proportional seats and a working steering wheel
9. Each model must look like a truck (not a pickup, but a truck-truck, lorry, etc.)
10. Track width is limited to around 30 cm, so models should be narrower than that.
11. 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 and accuracy, 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.
4. If a model flips and is still drivable, it can be put back on its wheels without penalty.
5. Points will be awarded according to final times, last competitor receiving 10 points, second to last 20 points, each faster competitor +10 points, etc...

Model specific rules:

1. Each competitor must design a buggy that can drive on a dirt track and survive jumps of 30+ cm
2. A maximum of two BuWizz motors are allowed for driving, unlimited number of motors are allowed for any other function.
3. Minimum weight of 750 grams
4. Suspension is required on all wheels
5. Model has to feature an interior with at least 1 seat and a steering wheel
6. Rear wheel drive only
7. Each model will be inspected before the competition.

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 held the wheels in place
5. Unique designs and color combinations are encouraged to differentiate models.