



2016 MECA Kids Format Rules

I. Purpose & Intent

“MECA Kids” is intended for MECA Members and their “MECA Kids” to share club activities and learn about club and sports competition interactions.

II. Description of Classes

Class	Description
MK1	Ages 5 and Under: 1 woofer and 1000 watts RMS and 1 - 60 Amp Fuse
MK2	Ages 6+: 1 Woofer and 2000 watts RMS and 1 - 80 Amp Fuse
MKDB	All “MECA Kids” with qualifying vehicles and systems

III. Basic Rules

1. The vehicle must be a commercially available electric toy. In other words: no custom built rides.
2. The vehicle must be able to pull its own weight and maintain all the factory designed functions. In other words: it must drive, turn, etc.
3. The vehicle must be operated from a 12-volt battery source that must also power the vehicle, except for vehicles that are of some other voltage nature; i.e. 6 volt vehicles. The 12-volt source must be mounted to the vehicle in a secure fashion and must remain within the confines of the vehicle.
4. The source unit must be powered by the vehicle. The source unit must be operated by the child, but an adult may help the younger children.
5. The vehicle must pass a basic safety inspection.
6. Sensor placement will be in some type of floorboard area. Vehicles required to have some form of a plexiglass plate or surface that the suction cups on the TermLab sensor can attach.
7. No body modifications will be made with the intent of increasing the sound pressure level score. Body modifications include; but not exclusively, fiberglass or adding panels that were not there originally; i.e. doors, roof, etc. Rhino liner, fiberglass or other sound deadening materials are restricted to the enclosure or other 12 volt items are not to be applied to the body directly.
8. Source material must a musical track. MP3 players, IPod’s and other media storage players are acceptable.
9. Children of MECA members will be given a free “MECA Kids” membership to the club.
10. The entry fee will be \$5 and will include 1 pass for the Sound Pressure test and 1 pass for the “Park & Pound” test.
11. The highest score wins, measured in dB by the TermLab meter. Tie-breaker tests will be given when necessary.
12. If a parent is caught cheating in any way, the entry will be disqualified. This is intended to teach children about competition and fun, not how to cheat.
13. Hearing protection for children is required at all times during competition.

IV. System Requirements

MK1

1. The system is restricted to 1 woofer and 1 1000 watt or less RMS rated amplifier. 1 60 amp fuse is required.
2. Due to space restrictions on certain electric toys, seats may be relocated as long as the vehicle can be driven by the average child. A seat may be reduced in size as long as a child can still drive the vehicle.
3. All aspects of the system must remain in the confines of the vehicle, except the source unit. No build-outs or adding extensions on the body to increase sound pressure level score. In this class, the confines of the vehicle will be defined as the body. No part of the system can extend further then the aspects of the body of the vehicle.
4. The enclosure can be no taller than 16”from the tallest portion of the power wheels.
5. The vehicle must have some form of full range speaker in order to verify that musical tracks are being played.
6. All parts of the enclosure must be at least 8” from the steering wheel of the vehicle. No modifications to the steering wheel will be allowed in order to place the enclosure closer to the front end.



MK2

1. The system is restricted to 1 woofer and 1 2000 watt or less RMS amplifier. 1 80 amp fuse is required.
2. Due to space restrictions on certain electric toys, seats may be removed. Due to the weight and size of the children of this class, the vehicle doesn't have to be driven into the lanes, but the vehicle must drive by remote or outside control; i.e. push button throttle.
3. All aspects of the system must remain within the confines of the vehicle, except the source unit. No build-outs or adding extensions on the body with the intent to increase SPL. The confines of the vehicle will be defined as all aspects of the vehicle. Width is defined from tire to opposite tire, and length is defined from front bumper to rear bumper.
4. The enclosure can be no taller than 20" from the tallest portion of the body. Anything mounted to the enclosure is considered part of the enclosure.
5. All parts of the enclosure must be at least 8" from the steering wheel of the vehicle. No modifications to the steering wheel will be allowed in order to place the enclosure closer to the front end.
6. The vehicle must have some form of full range speaker in order to verify that musical tracks are being played.

V. Park & Pound Rules

1. All "MECA Kids" will be eligible to compete in one division known as MKDB unless the show promoter wishes to divide the class, in which case the classes will mirror standard "MECA Kids" Sound Pressure classes.
2. All rules will mirror MECA's "Park & Pound" rules, except sensor placement. Sensor placement will be 3' from the vehicles right side, with standardized height that will be 26" (a "Reality SPL" or headrest sensor stand) from the ground.

Some unique situations may arise that disqualify the vehicle, system, and/or competitor from the "MECA Kids" format. These situations are determined by the MECA Judges.