

Battery Buggy Score Sheet 2010 (revised 11/8/09)

Full School Name: _____ Circle One: V JV JV1 JV2 JV3

Full Student Names: _____

Construction (Devices with construction violations are Tier 3 for both runs): (✓/✗)

- 2.b. All electrical energy comes from no more than 4 individual commercial cells (labeled 1.5v or less each) or a single battery pack (labeled 4.8v or less) _____
- 2.b. Only energy stored in batteries used to propel the vehicle _____
- 2.c. All sources of energy available for inspection _____
- 2.d. Electrical components limited to batteries, wires, motors, switches, resistors, capacitors, and mechanical relays _____
- 2.e. Sighting devices are not electronic _____
- 2.f. Wheelbase (front to rear axle) = 24.0 cm – 28.0 cm _____
- 2.g. Vehicle track/width (to outer edge of wheels) = 19.0 cm or less _____
- 2.h. Vehicle has stationary fixed point that extends forward of all other parts of vehicle within 1 cm of track surface _____
- 2.i. ONLY vehicle wheels contact the track surface _____

COMPETITION:

Run 1 (Run violations only place in Tier 2) (✓/✗)

Teams used a pen, pencil, or dowel to actuate switch _____

The entire vehicle, including batteries, traveled together _____

Participants not on track until after judge completed measurements _____

No outside assistance was received _____

Time Score (seconds) = _____ * (20) = _____
Official Run Time

Distance Score (millimeters) = _____

Center Line Score (Circle One): **Yes or No ; If yes, subtract 20 points**

Run 2 (Run violations only place in Tier 2) (✓/✗)

Teams used a pen, pencil, or dowel to actuate switch _____

The entire vehicle, including batteries, traveled together _____

Participants not on track until after judge completed measurements _____

No outside assistance was received _____

Time Score (seconds) = _____ * (20) = _____
Official Run Time

Distance Score (millimeters) = _____

Center Line Score (Circle One): **Yes or No ; If yes, subtract 20 points**

TIER?

RUN SCORE 1 = _____ + _____ - _____ = _____

TIME SCORE DISTANCE SCORE CENTER LINE RUN SCORE 1

RUN SCORE 2 = _____ + _____ - _____ = _____

TIME SCORE DISTANCE SCORE CENTER LINE RUN SCORE 2

CIRCLE RUN SCORE/TIER ABOVE THAT GIVES TEAM BETTER RANK.

FINAL RANK = _____