

4.a: IMPOUND

#Batteries: _____

Time Impd: _____

Compete Time: _____

2011 Science Olympiad

Tournament: _____

BATTERY BUGGY

TEAM INFORMATION

RANK: _____

TIER: _____

SCORE _____

TEAM # SCHOOL (& designation): _____

STUDENTS: _____

IMPOUND INSPECTION

(check if ok/"no" if violation)

- _____ 2.b: All electrical energy comes from no more than 4 individual commercial cells (labeled 1.5 V or less each) or a single battery pack (labeled 4.8 V or less)
- _____ 2.b: Batteries labeled by manufacturer
- _____ 2.c: Only energy stored in batteries used to propel the vehicle
- _____ 2.c: Only uses batteries from item 2 above and/or non-electric energy storing devices to operate other functions provided these functions do not help propel the vehicle in any way.
- _____ 2.c: All sources of energy available for inspection
- _____ 2.d: All "black boxes" available for inspection

- _____ 2.d: Electric components limited to batteries, wires, motors, switches, resistors, capacitors, solenoids and electro-mechanical relays
- _____ 2.e: Sighting devices are not electronic
- _____ 2.f: Vehicle fits in 30 cm x 30 cm space
- _____ 2.g: Switch designed to work perpendicular to floor
- _____ 2.h: Vehicle has stationary fixed point on front which is within 1 cm of track surface
- _____ 2.i: ONLY vehicle wheels contact the track surface

_____ Construction Ok
_____ Construction Violations (Tier 3)

CONSTRUCTION SUMMARY:

COMPETITION

RUN #1

TIME (s)	DISTANCE (mm) <small>(from fixed point to Finish Dot)</small>	4.e: FAILED RUN <small>(Circle)</small>	4.c: EVENT TIME EXPIRED BEFORE RUN	TIME SCORE <small>(Time * 25)</small>	TIER <small>(1, 2 or 3)</small>	RUN SCORE <small>(Distance + Time Score)</small>	BEST RUN
		moves backwards starts inadvertently competitor decision					

RUN #1 COMPETITION VIOLATIONS (Tier 2):

- | | | |
|--|--|---|
| _____ 2.g: Did not use pen, pencil, etc. to actuate | _____ 4.c.iv: Did not remove target from finish line | _____ 4.c.viii: Followed vehicle down track |
| _____ 4.b: Outside assistance received | _____ 4.c.v: Touched or pushed vehicle | _____ Other |
| _____ 4.c.iii: Rolled vehicle on or adjacent to track | _____ 4.c.vi: Entire vehicle did not move together | |
| _____ 4.c.iv: Did not place fixed point on Start Point | _____ 4.c.vii: Vehicle moved bucket | |

RUN #2

TIME (s)	DISTANCE (mm) <small>(from fixed point to Finish Dot)</small>	4.e: FAILED RUN <small>(Circle)</small>	4.c: EVENT TIME EXPIRED BEFORE RUN	TIME SCORE <small>(Time * 25)</small>	TIER <small>(1, 2 or 3)</small>	RUN SCORE <small>(Distance + Time Score)</small>	BEST RUN
		moves backwards starts inadvertently competitor decision					

RUN #2 COMPETITION VIOLATIONS (Tier 2):

- | | | |
|--|--|---|
| _____ 2.g: Did not use pen, pencil, etc. to actuate | _____ 4.c.iv: Did not remove target from finish line | _____ 4.c.viii: Followed vehicle down track |
| _____ 4.b: Outside assistance received | _____ 4.c.v: Touched or pushed vehicle | _____ Other |
| _____ 4.c.iii: Rolled vehicle on or adjacent to track | _____ 4.c.vi: Entire vehicle did not move together | |
| _____ 4.c.iv: Did not place fixed point on Start Point | _____ 4.c.vii: Vehicle moved bucket | |