



TRACK IS 5 M. LONG.

CAN RACE

Note: A repair kit and up to two cans may be impounded.

Each team will make two runs against the clock.

Description: Students only may repair between runs.

A team of two students will race a can against ~~other teams~~ a clock closed in a drag race format.

Number of Participants: 2

Approximate Time: 20 minutes

An Impound
Event

The Competition:

1. Students will make and bring to the contest one ^{or two} can racers for each team of two students.

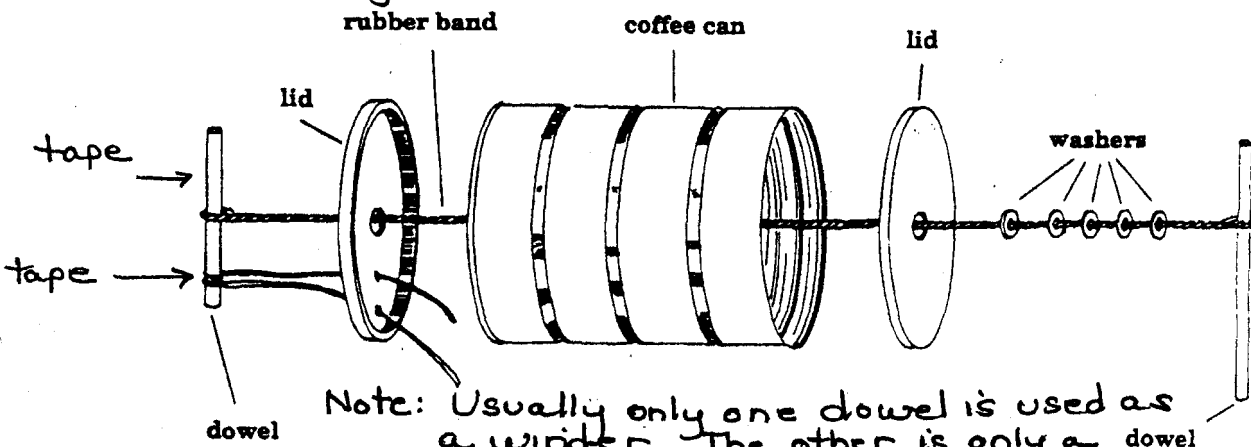
2. The racers will be run on a course approximately ⁵ ~~three~~ meters in length and ~~thirty~~ ^{30cm} centimeters in width. The racing surface could be a gym floor, hallway, concrete or close nap carpet. Lane control will be provided by boards or other barriers along the outer edges of each lane.

3. Any can (small or large size) may be used. Racer surfaces may not be modified by addition of any substance. ^(those surfaces touching the floor) (or sanded).

4. Lollipop, Popsicle or other similar sticks may be used as the running arm. Tape and washers may be used.

5. Racers will be released by contestants without any assisting push and must not be touched by anyone until they ^{reach the end board} ~~cross the finish line~~. Racers stuck against lane barriers will have their "run length" measured at that point. Those jumping off of the course will be ranked after those that stay on the course.

Hint: an opened paperclip can pull the rubberband through.



Note: Usually only one dowel is used as a winder. The other is only a dowel stop that is taped down.



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To Make Racer:

1. Drill holes in the precise center of the can bottom and plastic lid(s). The holes must be large enough so the rubber band will thread through them easily, and be sure the edge of the hole in the can lid is smooth so it won't cut the rubber.
2. Put the lid(s) on the can and thread the large rubber band through the hole so that the loops protrude from both ends of the can. (Note "Hint" on page 1.)
3. Push the shorter wooden dowel or stick through the loop of rubber band protruding from the can bottom.
4. Punch two small holes in the can bottom on either side of the stick, and tie the stick securely to the can bottom with twine, wire, or a twist tie.
5. Thread the other loop of the rubber band through the holes in several washers. (There must be sufficient number of washers to keep the longer stick, which is added in step 6, from rubbing against the edge of the can. Later, if appropriate, you can increase or decrease the number of washers.)
6. Finally, place the longer wooden dowel or stick through the loop with the washers so that one end sticks out beyond the side of the can.
7. Wind up the rubber band and release the racer.

Scoring:

1. Can racers will make two runs against a clock on a closed track 5 METERS LONG.
2. In case of a tie, the fastest second run will determine the winner.