



JetToy Olympics

Track Description & Scoring Guide

JetToy Olympics - Track Descriptions & Scoring Guide



Distance

Objective: Student design teams will construct a JetToy car that can travel as far as possible.

- Track Specs 10m long x 3m wide
- Teams must release JetToy behind the 0m mark
- JetToy must stay on track for trial to be valid (if JetToy leaves the track, points are rewarded at point of exit)
- JetToy balloon must be inflated to an 8 inch diameter or less – Judge will check diameter before JetToy is released.

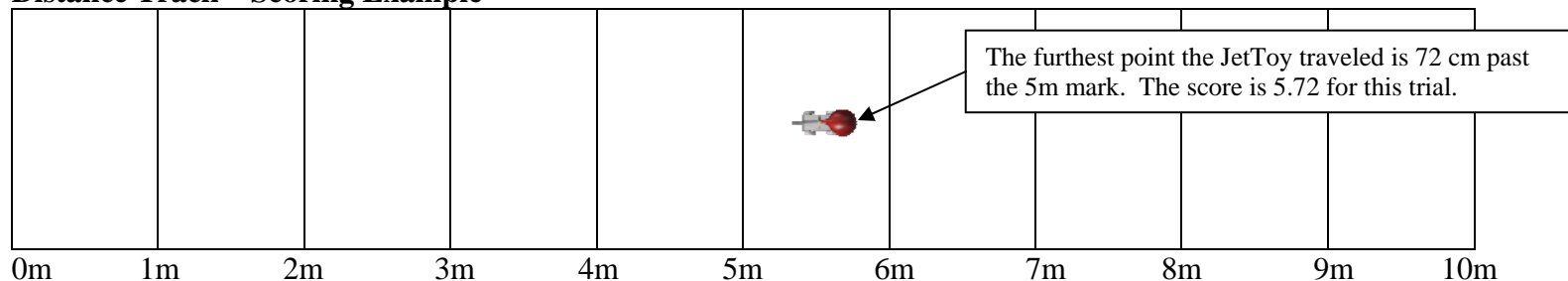
Scoring

- Design teams get three trials.
- Final score is based on sum of the 3 trials.
- Point total is awarded by judge determining the scoring box and adding the total cm travel in the point box.
- Measurements are taken from the furthest point of travel.

Distance Track

0 points (+ cm total)	1 point (+ cm total)	2 points (+ cm total)	3 points (+ cm total)	4 points (+ cm total)	5 points (+ cm total)	6 points (+ cm total)	7 points (+ cm total)	8 points (+ cm total)	9 points (+ cm total)	10 points (+ cm total)
0m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m

Distance Track – Scoring Example



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Weight

Objective: Student design teams will construct a JetToy car that can carry a specific amount of weight.

- Track Specs 10m long x 3m wide
- Teams must release JetToy behind the 0m mark
- JetToy must stay on track for trial to be valid (if JetToy leaves the track, points are rewarded at point of exit)
- JetToy balloon must be inflated to an 8 inch diameter or less – Judge will check diameter before JetToy is released.
- 1 weight = 9 pennies in pack (25 grams) – must use weight provided by judge at starting line

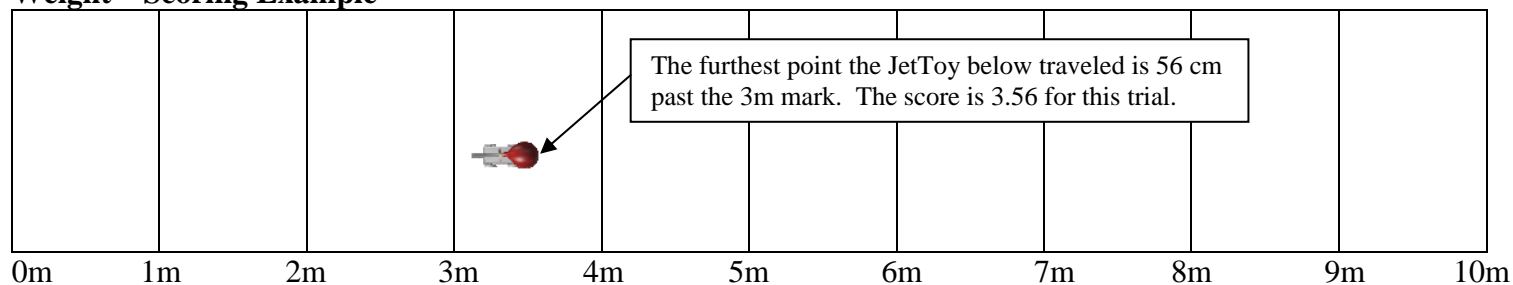
Scoring

- Design teams get three trials.
- Final score is based on sum of the 3 trials.
- Point total is awarded by judge determining the scoring box and adding the total cm travel in the point box.
- Measurements are taken from the furthest point of travel.

Weight Track

0 points (+ cm total)	1 point (+ cm total)	2 points (+ cm total)	3 points (+ cm total)	4 points (+ cm total)	5 points (+ cm total)	6 points (+ cm total)	7 points (+ cm total)	8 points (+ cm total)	9 points (+ cm total)	
0m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m

Weight – Scoring Example



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Accuracy

Objective: Student design teams will construct a JetToy car that can travel a specific distance.

- Track Specs 10m long x 3m wide
- Teams must release JetToy behind the 0m mark
- JetToy must stay on track for trial to be valid (if JetToy leaves the track, points are rewarded at point of exit)
- JetToy balloon can be inflated to any diameter determined by the design team

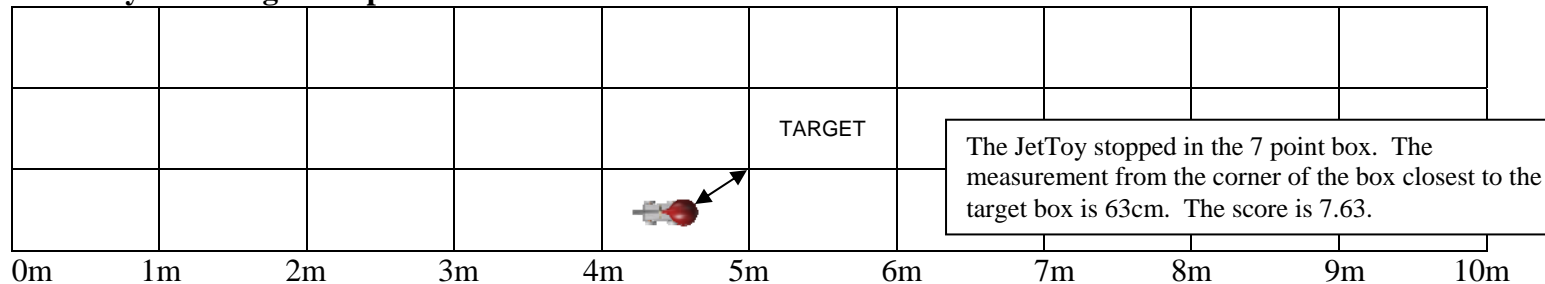
Scoring

- Design teams get three trials.
- Final score is based on sum of the 3 trials.
- Point total is awarded by judge determining the scoring box and adding the total cm from the line/corner of the box closest to the target.
- Measurements are taken from the position of the JetToy closest to the accuracy target.

Accuracy Track

0 points	1 point	3 points	5 points	7 points	9 points	7 points	5 points	3 points	1 point	
0 points	2 points	4 points	6 points	8 points	10 points TARGET	8 points	6 points	4 points	2 points	
0 points	1 point	3 points	5 points	7 points	9 points	7 points	5 points	3 points	1 point	
0m	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m

Accuracy – Scoring Example



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Time

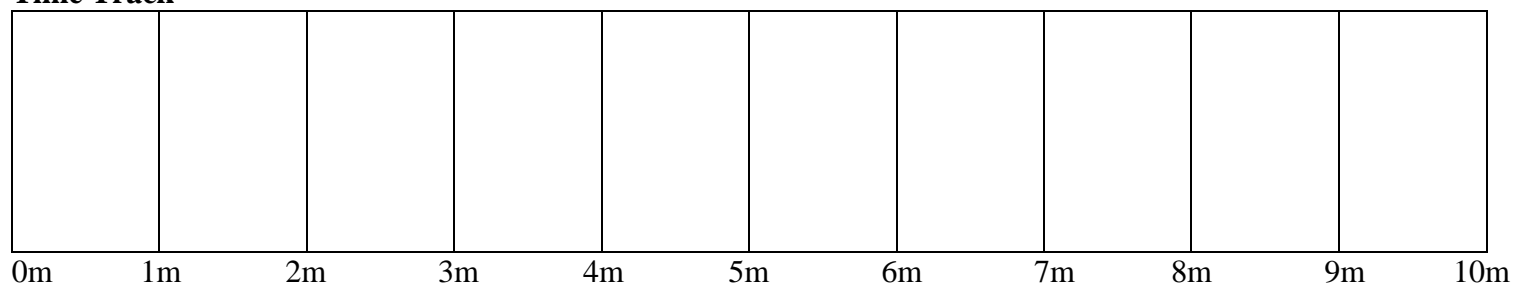
Objective: Student design teams will construct a JetToy car that can travel for an extended period of time.

- Track Specs 10m long x 3m wide
- Teams must release JetToy behind the 0m mark
- JetToy must stay on track for trial to be valid (or exit track past 10m mark)
- JetToy balloon must be inflated to an 8in. diameter or less – Judge will check diameter before JetToy is released.
- Track judge will time the teams' trials using a stopwatch
 - Time starts when nozzle is released
 - Time stops when JetToy forward momentum stops (JetToy can not stop and start.)

Scoring

- Design teams get three trials.
- Final score is based on the longest elapsed time (best) of the 3 trials (Judge will round time to 2 significant figures).

Time Track



Time – Scoring Example

