

ROLLER COASTER

NCSO COACHES CLINIC OCT 2018

VIDEO

https://youtu.be/qOxotkt_a0

GOALS

Start with a ball to release by a #2 pencil

- Start and finish clearly marked

Maximum Dimensions

- 50cm x 50cm x 60cm

Any sphere

Start and Finish

Operate between 10s and 60s

- Regionals – 5s intervals (20, 25, 30 ...)
- States – 2s intervals
- Nationals – 1s intervals

MATERIALS

Anything that is not hazardous... seriously

No electronics

- Electronic levels may be used BEFORE the first run

Don't scratch the floor

COMPETITION

Device with the most accurate run time and smallest device wins (plus some bonus points)

Run Score = Height Score + Time Score + Gap Score

- Height Score = 3 x (60-device height)
- Time Score = 5 points for every full second of run time
 - Time Penalty = 1 point for every full second PAST run time
- Gap Bonus
 - 5 points for each whole cm measured horizontally (minimum of 5cm)

RUN TIME

2 runs in 8 minutes

An individual run must complete within 2 minutes

A device is declared stopped after the ball stops moving within 3 seconds

Most successful run is the one that is used for scoring

TIERS

Tier 1 – A run with no violations

Tier 2 – A run with any violations

Tier 3 – A team with roller coaster not impounded

TIE BREAKERS

Biggest Gap Bonus

Highest Height Score

Highest Time Score

Smallest dimension of the device

QUESTIONS