**Honors Physics**

**Lab Practical: Linear Motion**

Goal:

Let go of the bean bag at the right time so that it drops onto the coal car of the train.

Participants:

There will be 5 teams of three. Each team gets 1 shot to try this.

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| --- | --- | --- | --- |
| Team 1 | Madison | Caleigh | Anna |
| Team 2 | Emilee | Molly | Kelsey |
| Team 3 | Kayla | Marissa |  |
| Team 4 | Heidi | Angeline | Emily |
| Team 5 | Diana | Elle |  |

Materials:

Meter Stick(s)

Timer

Calculator

Train

Bean bag

Rules:

1. You may **not** attempt to make this shot before the official trial.
2. You may take any measurements you need of the train and the surrounding area, but you may not drop the bean bag. (see #1).
3. You may **not** monopolize the train; you are expected to share the toys with the other teams.

Requirements:

1. Each team must present and explain their measurements, calculations and solution to Mrs. Hamilton.
2. Each team must make their attempt without modifying the set-up.
3. Each team member must send Mrs. Hamilton an email with a short evaluation of their teammates. Rate each of them on a scale of 1 – 10 (10 being high). State your reasoning - How well did she work with you? How much did she contribute? etc. This is confidential, so please, be honest.