

# 14. Flying seeds

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**Reporter:** Team Romania Starry Night

**Opponent:** Team Romania Starry Night

**Reviewer:** Team Romania Starry Night

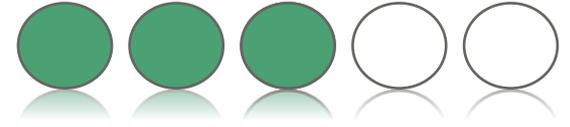
# Problem's task

*It is interesting to observe how **maple seeds** spin when falling to the ground, or how dandelion seeds **fly away with the wind**.  
Propose a problem about the **flight** of the seeds from **a plant of your choice**.*

# Their task

*Investigate the free fall of a dandelions.*

# Reporter Summary



## Strong points

- Good explanation of their purpose
- Good explanation of the physics
- They used a high speed camera
- Good setup
- Really good use of electrical/intelligent equipment to improve the accuracy

## Weak points

- **Lack of hypothesis**
- Small number of seeds
- Only one point of view in the tracker
- No calculation of the speed, even tho he mentioned it
- Didn t mention any possible errors like: air current, problems when dropping the seed
- Using different type of seeds and not presenting their measurements

# Opponent Summary



## Strong points

- Good questioning about some of the minor details in the presentation
- Good questioning about the correlation and set up

## Weak points

- Mentioned things that have been already mentioned
- Not a lot of information in their presentation

# Clashes during the fight

- Opp: Could the camera create errors  
Rep: No  
Rew: We think the camera could have been a possible error.
- Opp: How did you make sure the calibration was right  
Rep: We used a calibration paper so there couldn't be a big error  
Rew: We think that there could be errors regarding this topic

# Clarifying questions for the reporter and opponent

Reporter:

Have you thought about making more views in the tracker

Why do you think you had bad drag coefficient in the first experiment?

In the videos there is a flat flower, and in the photos there is a circular one? how can you explain it?

How did you make sure that you were accurate when dropping the seed.

Opponent:

How could possible errors in the camera affect the experiment