Egg Drop Competition 2026

Objective

Design and build a protective structure that prevents a **raw chicken egg** from breaking when dropped from the height of one floor at the Magistrale (Math/Informatics building, Garching)

The egg must remain **uncracked** after impact.

Constraints

Your design **must meet all conditions below**:

1. **Maximum mass**: Total mass (including egg) must not exceed **500 grams**.
2. **Egg position**: The egg must be fully enclosed and **not visible** from the outside.
3. **No parachutes or propulsion**: The structure must fall freely (no strings, no gliding devices).
4. **Single drop**: Only **one official drop** is allowed for scoring.

Process

Here's how it works:

- The students should form a team of up to 3 students.
- The egg that stays for the longest time in the air and does not break on dropping wins the competition.
- Students will have 15 minutes to craft a protective device for the egg.
- The egg will be dropped from the Magistrale, and the time will be recorded.
- Supplies will be provided by EuroTeQ including cotton balls, straws, skewers, paper bags, balloons, tape etc.
- Team registration closes at 23:59 on 21/04/26. Registration form
- Each student from the winning team will receive an amazing price: free trip to Tallinn.

In case of a tie - The first criteria used for the tie breaker is - **Mass/Weight:** The lighter the device, the better. Weigh each entry (without the egg) on a digital scale. The lightest device that successfully protected the egg wins. In case this is not sufficient, we go to **Dimensions:** Use a tape measure to determine the volume of the device. The smallest footprint or most compact design wins. and then to **Part Count:** If you used a specific kit (e.g., 50 straws and a roll of tape), the person who used the fewest individual items wins.