

Logbook:

1/23/2025 - Today I was thinking about what I would do for the science fair project. I decided on imploding a watermelon with magnets. I saw a video of making a watermelon explode with rubber bands and it made me wonder if I could do the same thing with magnets.

I also searched super strong magnets to find the strongest ones.

The question is can magnets implode a watermelon?

2/11/2025-Me and my mom ordered super strong magnets. They are supposed to arrive on Saturday, 2/15/2025.

2/12/2025- My mom and I looked at the slideshow and started adding information

2/18/2025- I tested my experiment (the imploding watermelon) to make sure it would work and it didn't so now instead of magnets i'm using rubber bands.

2/20/2025-my partner wanted to change to the egg drop challenge so were. We filled out the slides presentation and made a parachute. I also got my safety form signed as shown below.

Bibliography:

Cite the 3 or more sources you used for your research. Need some help? Use [EasyBib](#)

1. *Drop Challenge*. (n.d.). Griffin Museum of Science and Industry.
<https://www.msichicago.org/science-at-home/hands-on-science/egg-drop-challenge>
How do parachutes work?
2. classroom.google.com/c/Njg1MTU0OTU2MTM2

3 Anatomy of an Egg

<https://www.exploratorium.edu/explore/cooking/egg-anatomy>



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2025 Safety Form

- ☐ I have written a research plan that includes the following:
- The question or problem being addressed and the expected outcome
 - Describes in detail the method and procedures including all safety precautions
Includes all procedures to be used for data collection and/or building your prototype, if an engineering project
 - Identifies any potential risks and safety precautions to complete the project safely
 - Who will be supervising your project? For approval, an adult over 18 must be present and supervising during experimentation or prototype development and building.
- ☐ I have reviewed this research plan with my:
- Teacher
 - Parent/Guardian
 - Any other 18+ Adult who will be supervising the project (if not listed above)
- ☐ I have reviewed the rules for The Academy of Science - St. Louis Science Fair and verified with my teacher that my project adheres to the rules.
- ☐ I have reviewed the additional rules that apply if my project involves any of the following:
- Mold
 - Bacteria
 - Humans

I acknowledge that all of the above safety precautions will be followed and that this project will be completed in a safe manner. I also acknowledge that no humans or animals (vertebrates or invertebrates) will be harmed in any way.

Print or Type Student Name	Student Signature	Date
CLAYTON	CLAYTON COUTER	2-20-2025
Print or Type Parent/Guardian Name	Parent/Guardian Signature	Date
Mark Yorkins	[Signature]	2/20/25
Print or Type Teacher Name	Teacher Signature*	Date
Brendan Kearney	Brendan Kearney	1-16-2025

*You may include a project approval email from your teacher in lieu of a teacher signature.

Questions? Contact your science teacher, or the Academy Fair Director at sciencefair@academyofsciencestl.org

Revised for 2025 Fair

Visit sciencefairstl.org for more information.

