



# Colorado Science and Engineering Fair

## 2025 Team Project Abstract Form

**Please print 2 copies of the completed form. Sign both copies, keep 1 for your notebook and submit 1 copy to your Regional Fair Director with your other paperwork.**

Title of Project: Basketballs Vs. Bacteria

Team Leader's Name: Olivia Hornung

Team Member 1: Kandyce Ebright

Team Member 2: Gracie Miltenberger

School and City: Stratton Middle School

Sponsor's Name: Dannette McConnell

Category: Micro & Molecular Biology

Division: Junior (grades 6 - 8)

Abstract (250 words or less):

The reason we did this experiment was to see which basketballs have the most bacteria. Our hypothesis was that if the boys basketballs have the most bacteria, then the boys basketballs are not getting sanitized enough, because you are supposed to sanitize the basketballs every few weeks. We swabbed the basketballs, collected data, then sent them to a lab to count the bacteria colonies. We then threw away the petri dishes after taking proper procedures. The boys basketballs were the dirtiest with an average of 80 bacteria colonies and the girls average was 45. In conclusion the boys basketballs were the dirtiest with the girls basketballs far behind.

*We hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. We also attest that the above properly reflects our own work.*

Team Leader's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Team Member 1's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Team Member 2's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

In addition, all students must complete the ISEF Student Checklist (1A), Research Plan, Approval Form (1B), and Checklist for Adult Sponsor (1), and any other ISEF forms required for this type of project. See the International Rules and Guidelines for form requirements. Return COPIES of all of these forms to your Regional Fair Director with your Finalist Verification/Permission Form. **A signed copy of this form must be included in your notebook.**