

Here are the results from the Ozarks Science and Engineering Fair. Together, these students won certificates, ribbons, books, medals, invitations to compete at the national level, and over \$750 in cash! Please congratulate them!

## **2022 Ozarks Science and Engineering Fair Results**

The 62<sup>nd</sup> Ozarks Science and Engineering Fair was held (in person!) from March 29-31 on the campus of Missouri State University. All sixth grade Scholars students, three seventh grade Scholars students, and two Central High School students worked for many months to develop and carry out an independent research project to present at the fair. Congratulations to all students who participated in the judging session, and to the following award winners.

### **Placement Award Winners-Junior Division**

#### Behavioral and Social Sciences

1<sup>st</sup> place: Rishi Janakiraman and Emma Lewis (Bilingual Brains: The Effect of Bilingualism on the Association of Verbal Stimuli)

2<sup>nd</sup> place: Yohann Oghlakian (Spinning Colors)

#### Botany

1<sup>st</sup> place: Zain Rehman (The Effect of Recyclable Substrate on Lettuce Plant)

3<sup>rd</sup> place: Matt Ellis (The Effect of Different Pansy Species on Soil Erosion)

#### Chemistry

Honorable Mention: Evan Henke (Comparing Different Water Clarification Methods)

#### Computer Science

1<sup>st</sup> place: Owen Underwood (Effect of PS4 Controller Brand on Battery Life)

2<sup>nd</sup> place: Selena Oghlakian (Typing Trouble: The Effect of Grammar Check Apps on the Number of Spelling Errors Caught)

#### Engineering

1<sup>st</sup> place: Brian Hayes (Reducing Polystyrene Pollution)

#### Environmental Sciences

2<sup>nd</sup> place: Dhruti Bandaru (The Effect of Permanent and Washable Marker Dyes on Planaria)

#### Mathematical Sciences

1<sup>st</sup> place: Justin Lu (The Effect of Shuffling Method on The Randomness of a Deck of Cards)

#### Physics and Astronomy

2<sup>nd</sup> place: Sumedh Reddy (Effect of Size on the Distance a Tennis Ball Travels)

Honorable Mention: Julia Matson (The Effect of the Core of the Golf Ball on the Distance of Driver Shots)

### **Placement Award Winners-Senior Division**

Honorable Mention: Manu Eledath (RegenDrive: Using Regenerative Technologies in Axial Flux Motors to Increase the Efficiency of Electric Vehicles)

### **Special Award Winners**

#### Broadcom MASTERS nomination

Brian Hayes (Engineering)

Rishi Janakiraman (Behavioral Sciences)

Emma Lewis (Behavioral Sciences)

Justin Lu (Math)

Zain Rehman (Botany)

Owen Underwood (Computers)

Lemelson Early Inventor Prize

Lanie Deng (Designing a Portable Pocket)

Lisa Reece Memorial Award

Brian Hayes (Reducing Polystyrene Pollution)

Lou and Nadine Memorial Award

Rishi Janakiraman and Emma Lewis (Bilingual Brains: The Effect of Bilingualism on the Association of Verbal Stimuli)

Office of Naval Research-Junior Division

Jathin Bande (Scaled-Up CVD Nanobot Model)

Schneider Award

Brian Hayes (Reducing Polystyrene Pollution)

Rishi Janakiraman and Emma Lewis (Bilingual Brains: The Effect of Bilingualism on the Association of Verbal Stimuli)

Zain Rehman (The Effect of Recyclable Substrate on Lettuce Plants)

Smith Glynn Callaway Foundation-Junior Division

Rishi Janakiraman and Emma Lewis (Bilingual Brains: The Effect of Bilingualism on the Association of Verbal Stimuli)

Stan Howell Memorial Award

Zain Rehman (The Effect of Recyclable Substrate on Lettuce Plants)

United States Air Force

Leona Haning (Testing 3 PCV Rockets)

Denise Vinton

Scholars Science

Springfield Public Schools

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