

Junior Science, Engineering and Humanities Symposium

STUDENT RESEARCH SHARING SESSION I



Atrium I Room
8:30 p.m. - 9:30 p.m.



BEHAVIOR AND EDUCATION

- **Jamie Duran**, “An Evaluation of the Level of Peer Pressure Experienced by Teenaged Females from Males vs. Females,” Wentzville Holt High School, Wentzville, Missouri, Jennifer Berendzen, Sponsoring Teacher.
- **Heather Marie Lovell**, “The Effects of Cup Stacking on Concentration in Children,” Tuscumbia High School, Tuscumbia, Missouri, Constance Wyrick, Sponsoring Teacher.
- **Sara Sanford**, “Teaching Strategies: Identifying the Role of Similarities and Differences on Student Information Retention,” Camdenton High School, Camdenton, Missouri, Chris Reeves, Sponsoring Teacher.
- **Blair Ussary**, “Spatial Memory Retention and Quercetin: The Effects on *Dugesia tigrina*,” Mid-Buchanan R-V High School, Faucett, Missouri, Tereasa Freeman & Lindsay Ussary, Sponsoring Teachers.

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STUDENT RESEARCH SHARING SESSION II



Clayton Room
8:30 p.m. - 9:30 p.m.



BIOLOGY

- **Mike Jin**, “Cathepsin-B: A Novel Marker for Colon Cancer,” John Burroughs School, St. Louis, Missouri, Bradley King, Sponsoring Teacher
- **Jared Park**, “The Bold Syndrome: Survivorship in *Poecilia parae* Males Under Predation Threats,” Wentzville Holt High School, Wentzville, Missouri, Jennifer Berendzen, Sponsoring Teacher.
- **JaLisa Shaw**, “An Investigation of Obesity Among Black High School Students,” Cardinal Ritter College Prep High School, St. Louis, Missouri, Edward Haynie, Sponsoring Teacher.
- **Lauren Dayle Walker** and **Taylor Paige Walker**, “Effects of Caterpillar Habituation on Survival of *Vanessa cardui*,” Mid-Buchanan R-V High School, Faucett, Missouri, Tereasa Freeman and Lindsay Ussary, Sponsoring Teachers

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STUDENT RESEARCH SHARING SESSION III



Frontenac Room
8:30 p.m. - 9:30 p.m.



ENVIRONMENTAL SCIENCE

- **Lonnie Stuckey**, "Identification of Bacterial Contamination on United States Paper Currency," Maplewood-Richmond Heights High School, Maplewood, Missouri, Kathleen Dwyer, Sponsoring Teacher.
- **Jessica Baber**, "A Pilot Study of the Type of Water Filtration Material on the Amount of Progesterone and Testosterone Filtered from the Water," West Platte High School, Weston, Missouri, Janel Coulson, Sponsoring Teacher.
- **Darnell Cage**, "A Study of Plant Chemistry and Its Effects on the Dead Zone," Cardinal Ritter College Prep High School, St. Louis, Missouri, Edward Haynie, Sponsoring Teacher.
- **David Joel Freeman**, "Improving Power Plant Pollution By Carbon Sequestration With *Lemna minor*, *Azolla*, and *Salvinia*," Mid-Buchanan R-V High School, Faucett, Missouri, Tereasa Freeman & Lindsay Ussary, Sponsoring Teachers

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STUDENT RESEARCH SHARING SESSION IV



Atrium II Room
8:30 p.m. - 9:30 p.m.



PHYSICS, CHEMISTRY & BIOCHEMISTRY

- **Kailey Beckett**, "Comparing Inexpensive vs. Expensive Lipsticks," Ursuline Academy, St. Louis, Missouri, Marie Sherman, Sponsoring Teacher.
- **Casey Burton**, "A More Efficient Algorithm for the Factorization of Large Semi-primes," School of the Osage, Osage Beach, Missouri, Connie Allard, Sponsoring Teacher.
- **Tron Sherman**, "The Effects of Reflected Light from Varies Colors of Mulch on *Phaseolus vulgaris* Seeds," Mansfield High School, Mansfield, Missouri, Pam Probert, Sponsoring Teacher.
- **Alex Stearns**, "Aquatic Apocalypse: The Effects of the Nitrogen to Phosphorus Ratio in Water on the Amount of Dissolved Oxygen in Lab and Field Tests," West Platte High School, Weston, Missouri, Janel Coulson, Sponsoring Teacher.