

Students Shine at Seventh Annual Science Congress

University School student researchers presented science projects in physics, engineering, biochemistry, microbiology, botany, zoology, environmental science, mathematics, and medicine and health. The following students and projects qualified for the Broward County Science Fair:

| Student | Area of Research | Project Title |
|--------------------------------|-------------------------------|--|
| Danielle Bimston Grade 9 | Microbiology | "Effects of Natural vs. Artificial Sugars on the Rate of Carbon Dioxide Production During Glycolysis in <i>Saccharomyces cerevisiae</i> " |
| Elizabeth Cornfeld Grade 9 | Engineering | "Pratt Truss vs. Camelback Truss: Which is Stronger Using Modern Testing Techniques?" |
| Shainal Gandhi Grade 9 | Mathematics | "Chaos" |
| Saahil Jain Grade 11 | Biophysics | "Utilizing Multiple Light Sources to Create a Physiologic Light Spectrum that Reduces Interference with Circadian Rhythms" |
| Samantha Koreman Grade 9 | Behavioral and Social Science | "Deriving an Objective Moral System: Analysis of Individual Morality in Relation to Societal and Biological Factors" |
| Michelle Langone Grade 9 | Medicine and Health | "Teen Hearing Thresholds" |
| Matthew Mann Grade 9 | Mathematics | "Efficient Packing" |
| Cristina Palazzese Grade 9 | Botany | "Health Effects of the Dandelion" |
| Jacob Ronkin Grade 9 | Engineering | "Robolauncher: A VEXing Question of Efficiency" |
| Sophie Septoff Grade 9 | Medicine and Health | "Effects of Force on the Different Angles of the Knee" |
| Rachel Sereix Grade 10 | Environmental Science | "Examining the Global Carbon Crisis: The Impact of Increased Carbon Dioxide on the Biological Processes and Carbon Sequestration on the Diatom, <i>Lcymophora flabellata</i> " |
| Veronica Tami Grade 9 | Zoology | "Effects of Flaxseed Oil, Shark Cartilage and Sage on the Heart Rate of <i>Daphnia magna</i> " |
| Bettina Teng Grade 12 | Physics | "Looking into Grimaldi's Shadow: Edge Diffraction Revisited" |
| Asha Wedemier-Allan Grade 9 | Biochemistry | "Effects of Temperature and pH Levels on Enzyme CYP3A4" |
| Max Wolf Grade 9 | Environmental Science | "Bacon Grease to Biodiesel" |