

50th Northeastern Indiana Regional Science and Engineering Fair

March 19, 2005

Division: Junior

Behavioral and Social Sciences

Ferro, Gabrielle	St. Jude	Sleeping Memory
Klingensmith, Bob L	Bellmont	Comparing Human vs. Animal Senses

Botany

Gorman, James	Wyneken Memorial	The Effect of Electricity on Seed Growth
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Chemistry

Bobay, David	St. Jude	To Preserve or Not to Preserve...?
Crawford, Lindsay J	Summit	What Electrochemical Properties Affect a Fuel Cell System's Performance?
Davenport, Heather	Sharp Creek	Want A Long Lasting Candle???
Green, Andrew	St. Charles, Fort Wayne	Which Metal Can Transfer Heat the Fastest?
Jones, Zachary Q	Whitko	The Periodic Table and Salty Flames
Lin, Solomon	Summit	How Does Temperature, Sunlight, and Wind Effect Solar Energy?
Shoaf, Garrett	St. Jude	Will Solids Melt, If So, at What Temperature?
Stein, Mitch	Canterbury	Quantitative Analysis of the Variability of Ascorbic Acid due to Oxidation
Witwer, David	Canterbury	Is Tungsten the Best Filament?

Computer Science

Kleber, Nik	St. Charles, Fort Wayne	Can You Program a Computer to Decipher Cryptogram Codes?
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Earth Science

Wuest, Joseph	St. John, New Haven	Solar Energy Science
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Engineering

Bell, Elisabeth A	Grace Academy	Powering a Smoke Alarm Using Supplemental Energy
Bucher, Jonathan	Huntington Catholic	Speedball
Drier, Paul	Wyneken Memorial	Trouble with Trebuchets
Everett, Seth A	Bellmont	How Do Electric Motors Work?
Knueve, Brandon	St. John, New Haven	Up,Up, and Away
Ryan, James	St. Charles, Fort Wayne	House Hold Heat Flow
Stange, Paul	St. Vincent de Paul	Keep Warm: Use the Best Insulation
Summers, Cassie	St. John, New Haven	Microscope Function

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Environmental Science

Blackburn, Sara	St. Vincent de Paul	Metal vs. Water
Ehlerding, Emily	Wyneken Memorial	Pollution Filtration in Wetlands
Harold, Mariah	Huntington Catholic	Tank By Tank
Kelley, Shawn R	Churubusco	Are Gardens Hill Helpers?
Miller, Maddy	St. Charles, Fort Wayne	Does the Speed of a Wave Effect the Rate at Which a Beach Erodes?
Steffen, Grant R	Memorial Park	What Material Stops the Most Erosion Along a Lakeshore?

Medicine and Health

Bever, Julie	Sharp Creek	Flavors
Fockler, Cortney M	Bellmont	How Do Multiple Births Occur?
Gorman, Matt	Wyneken Memorial	The Comparison of Iron in Different Cereals
Luebke, Rikki	St. Charles, Fort Wayne	Is Laser Eye Surgery Worth Looking Into ?
Meyer, Kayla M	Bellmont	How Does the Heart Pump Blood?

Microbiology

Hines, Joy E	Orchard Day School	Fowl Bacteria? A Study of Antibiotic Resistance in Poultry
Visalli, Kelsea	Whitko	Survivor: Bacteria Island

Physics

Chaykowski, Kathleen	Canterbury	Cooking With the Sun: Solar Powered Cookers
Dickmeyer, Max	Summit	A Period of Motion
Ehlerding, Stephanie	Wyneken Memorial	What Color Absorbs the Most Solar Heat?
Griffith, Benjamin	Woodside	The Battle of the Forces: Centripetal vs. Gravity
Karr, Kelly	Canterbury	Long Shot
McGowan, Lucas	St. Jude	Momentum

Zoology

Kersjes, Natasha	St. John, New Haven	Teaching Old and New Dogs New Tricks
McGill, Alex M	Bellmont	Can a Green Basilisk Lizard be Trained to Run Bipedally in Captivity?
Murphy, Brendan	Canterbury	The Effects of Distance from Cover on Squirrel Foraging Behavior

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Zoology

Tilley, Kayla	New Haven	Do Tree Frogs Change Colors to Adapt to Their Surroundings?
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Team

Boze, Jared	* Lakeview	N-P-K Analysis
Buit, Tracy A	* Lakeview	Mouse Diets
Byerly, Chase M	* Lakeview	Building Frame Testing With Earthquake Machine
DiDomenico, John	* St. Jude	Charging Magnets
Holladay, Luke A	* Lakeview	The Water Wheel and Liquid Densities
Keffaber, Ciara	* Sharp Creek	Spot Be Gone
Kreft, Terry L	* Lakeview	N-P-K Analysis
LaCanfora, Matthew	* Sharp Creek	Airplanes
Momper, Luke	* St. Jude	Charging Magnets
Peas, Morgan	* Sharp Creek	Spot Be Gone
Raphael, Terren M	* Lakeview	The Water Wheel and Liquid Densities
Rockey, Kelly L	* Lakeview	Which Brand of Detergent will Remove Grape Juice Stains the Best?
Schroeder, Amanda J	* Lakeview	Which Brand of Detergent will Remove Grape Juice Stains the Best?
Sharp, Jesse T	* Lakeview	Building Frame Testing With Earthquake Machine
Stearley, Taylor	* Sharp Creek	Going Bananas
Tackett, Dillon	* Sharp Creek	Airplanes
Wilson, Victoria D	* Lakeview	Mouse Diets
Wright, Mackenzie	* Sharp Creek	Going Bananas

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Biochemistry

Leung, Jason G	Homestead	Anodic Stripping Voltammetry for Mercury in Various Fish Samples
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Computer Science

Liechty, Jacob A	Leo	Development of an Efficient 3D Environment Engine
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Engineering

Bell, Jonathan	Snider	Simulating Seismic Activity Via an Acoustically Powered Biaxial Shaker Table-Year 2
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Hollenbeck, Andrew	Homestead	Controlling Emissions from an Automobile through a Catalytic Converter
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Environmental Science

Hines, Abigail M	Orchard Day School	A Comparison Of Herbs and Bti as Larvicides on Culex pipiens and Their Effect on Daphnia magna-Year 2
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Steigmeyer, Gus	Canterbury	Environmental Impact of Retention Ponds on Urban/Suburban Ecosystems
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Mathematics

Danielson, Matthew F	Sunnybrook	Looking for Mathematical Patterns in the Music of Bach
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Team

Patel, Neel	* Homestead	The Effect of Temperature Stress on Zebrafish Gene Expression
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Shah, Neil	* Homestead	The Effect of Temperature Stress on Zebrafish Gene Expression
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