

**Senior Division Exhibitors**

<b>Category</b>	<b>Student (s)</b>	<b>Project Title</b>	<b>School</b>	<b>Honors</b>
Animal Sciences	Kendrick Borst	What Are the Effects of Population Density on Cricket Aggression?	Woodland High	1st Honors
Animal Sciences	Lily Butler	Pesticide Impacts on Ant Lifespan	Woodland High	2nd Honors
Animal Sciences	Aidan Nguyen	Do Composting Worms Have a Preference Over Non-GMO or GMO Corn?	Woodland High	2nd Honors
Animal Sciences	Mallory Pazincni	Chemicals in Sunscreen Affect the Hatching Rate of Brine Shrimp Eggs?	Woodland High	2nd Honors
Animal Sciences	Alexander Judson	Are Cats Attracted to Certain Patterens	Academy for Advanced Studies/Locust Grove High	2nd Honors
Animal Sciences	Rhianna McKensie and Guadalupe Miranda	A Fishy Problem	Stockbridge High	2nd Honors
Animal Sciences	Manahil Kashif	Measuring Changes in Bioluminescence of Pyrocystis lunula's Light Dark Cycle	Eagle's Landing High	2nd Honors
Animal Sciences	Maleeka Modi	Analysis of Caffeine on Brown Planaria	Eagle's Landing High	2nd Honors
Animal Sciences	Diya Rao	Social Behavior Among Male Beetles	Eagle's Landing High	2nd Honors
Behavioral and Social Sciences	Daniel Lainez	Does Formatting Negate the Stroop Effect?	Union Grove High	1st Honors
Behavioral and Social Sciences	Barrett Masters and Nolan McCall	The Effect of Tuning Frequencies on Enjoyment of Music	Union Grove High	2nd Honors
Behavioral and Social Sciences	Madison Conner	Genders Against Pain Tolerance	Ola High	2nd Honors
Behavioral and Social Sciences	Dylan Barfield and Avery Walker	How Music Genre Affects Reation Speed	Ola High	1st Honors

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Behavioral and Social Sciences	Mallie Carpenter and Lauren Reaves	Do Warped Words Impact the Stroup Effect?	Ola High	2nd Honors
Biochemistry	Malai Harrington	Column Chromatography	Dutchtown High	4th Honors
Biochemistry	Kendall Bumpers	Catalysis Using Enzymes in Pineapple	Ola High	2nd Honors
Biochemistry	Kole Buffington	The Effect of Sulforaphane on Planarian Growth	Woodland High	2nd Honors
Biochemistry	Lydia Samuels	On the rise, Glucose vs. Fructose	McDonough High	2nd Honors
Biochemistry	Rhiannon Bowen and Khylin Wilson	The Role of Enzymes in the Cheese Making Process	Hampton High	1st Honors
Biochemistry	Kevin McLean	Kawari Fertiizer	Hampton High	2nd Honors
Biochemistry	Brianna Kindle and Nkezzi George	Stand Back-This is a Crime Scene	Hampton High	4th Honors
Biomedical and Health Sciences	El-Yassir Assa, Channing Wyatt and Sincere Henderson	Coco-Loco	Dutchtown High	2nd Honors
Biomedical and Health Sciences	Sarah Acosta and Morgan Ebert	Does ASMR Decrease Heart Rate?	Ola High	2nd Honors
Biomedical and Health Sciences	Kalyn Henderson	Do Musicians Have Better Hearing?	Ola High	2nd Honors
Biomedical Engineering	Hy-Minh Le and Tyra Maddox	3D Printed Prosthetics	Dutchtown High	2nd Honors
Cellular and Molecular Biology	Jordan Hicks	What Light Effects Yeast the Most?	Ola High	2nd Honors
Chemistry	Logan Carr and Ellen Li	The Effect of Anodizing on the Hardness of Titanium	Union Grove High	3rd Honors

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Chemistry	Abby Strahin	Meat Tenderizers: Acids, Enzymes, or Baking Soda	Woodland High	1st Honors
Chemistry	Bryanna Davis and Darren Stanford	Home Remedies or OTC: Which works best?	Stockbridge High	2nd Honors
Chemistry	Autumn White	Biological effects of Colligative Properties of Solutios	Stockbridge High	3rd Honors
Chemistry	Jayda Hendrickson	Burning Calories: How to Find Out the Calories Stored in Your Food	McDonough High	3rd Honors
Chemistry	Ifunanyachkuu Onyemaobi	The Evolution of Heat Transfer	McDonough High	3rd Honors
Chemistry	Tajman Randhawa	Does Lead Quantity Affect Water Quality	Eagle's Landing High	3rd Honors
Chemistry	April Heath	Black Powder- Homemade Vs Factory made	Hampton High	2nd Honors
Earth & Environmental Sciences	Arjun Patel and Diana Sethna	How does the Depletion of the Ozone Affect Our Food Source?	Union Grove High	2nd Honors
Earth & Environmental Sciences	Ahmad Hicks	What is the Effect of Enzymes and Solvents on Stain Removal?	Woodland High	1st Honors
Earth & Environmental Sciences	Lauren Gould	Does the environment affect the speed biodegradable bags break down?	Woodland High	2nd Honors
Earth & Environmental Sciences	Kathy Tran	The Effects of Lights on Plastic Degradation	Woodland High	2nd Honors
Earth & Environmental Sciences	Xia Richardson	Roots Make a Plant More Reliable in the Resistance of Erosion?	Woodland High	3rd Honors

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Earth & Environmental Sciences	Nicholias Jordan	How does aeration speed the decomposition of waste?	Stockbridge High	4th Honors
Earth & Environmental Sciences	Isabella Polichemi	Edible Waterbottles	Hampton High	2nd Honors
Embedded Systems	Arshpreet Kaur	Scooting with Safety	Dutchtown High	1st Honors
Embedded Systems	Yashua Evans	The Amazing MYO	Academy for Advanced Studies/Union Grove High	1st Honors
Energy: Chemical	Kyle Ortiz and Andrew Hillerson	Battery-Powered Cars	Ola High	4th Honors
Energy: Chemical	Eres David	Cows & Kitchen Scraps:Year Two - Pigs vs. Cows in Biogas Production	Eagle's Landing High	1st Honors
Energy: Physical	John Pham and Jimmy Ing	Light Packing Heat	Dutchtown High	2nd Honors
Energy: Physical	Elizabeth Nix and Katherine Nix	How Does Color Affect the Amount of Radiant Energy?	Ola High	1st Honors
Energy: Physical	Connor Coleman	What Type of Wind Turbine, Horizontal or Vertical Can Charge a Phone Fastest?	Woodland High	3rd Honors
Energy: Physical	Christopher Mankoski	Working with Wind	Academy for Advanced Studies/Dutchtown High	3rd Honors
Energy: Physical	Taylor Shaw	Solar Sunflower: Building a Better Solar Panel	Stockbridge High	1st Honors
Engineering Mechanics	Nilkanth Patel and Elvin Rosa	How far will the plane soar?	Hampton High	4th Honors

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Engineering Mechanics	Rebekah Dorminy	Collision Alert Device for Sensing Potentially Harmful Foot Impacts	Sola Fide Homeschool	1st Honors
Engineering Mechanics	Aria Adams	A Cap on Pollution	Dutchtown High	2nd Honors
Engineering Mechanics	Diem-My Dang	UmbraBow	Dutchtown High	2nd Honors
Engineering Mechanics	Om Patel	Automatic Thrust Propulsion Systems	Dutchtown High	2nd Honors
Engineering Mechanics	Wonuola Abiodun	Semi-Autonomous Home Security Rover	Union Grove High	3rd Honors
Engineering Mechanics	Afnan Ahmad	Safety First: Engineering an Ultrasonic Proximity Safety Sensor	Union Grove High	1st Honors
Engineering Mechanics	Malik Bello and Owen Morrison	Affect of RAM on Processing Power of a PC	Ola High	3rd Honors
Environmental Engineering	Kailen Parks	Fully Biodegradable Footwear: The Future of Bioplastic	Dutchtown High	3rd Honors
Environmental Engineering	Mary Chu and David Nguyen	Floatato Chip Life Vest	Dutchtown High	1st Honors
Environmental Engineering	Brock Case	Preventing Frog Death In Pools	Union Grove High	3rd Honors
Environmental Engineering	Allyson Martinez and Sonita Mey	Project GROWW	Union Grove High	3rd Honors
Environmental Engineering	Laurel Ardis and Ashleigh Harada	H2O Oh No!	Ola High	3rd Honors
Materials Science	Kesean George and Laila Wright	Noise Canceling	Academy for Advanced Studies/Woodland High	3rd Honors

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Materials Science	Christie Murray	How does Microwave Radiation Affect Yeast?	Stockbridge High	3rd Honors
Materials Science	Dominic Alphonse	Can Non-newtonian fluid be used as a viable insulator?	Stockbridge High	2nd Honors
Microbiology	Hamna Khan and Eleanor Ratmeyer	An Erie Situation: Swimmers Ear	Dutchtown High	2nd Honors
Microbiology	Kimarra Marshall	Oven Wars	Dutchtown High	3rd Honors
Microbiology	Jennifer Ngo and Alyssa Luangxay	How Does the Extract and Composition in the Skin of Fruits Affect Hospital Acquired Infections?	Woodland High	1st Honors
Microbiology	Michael Ajuzie and Katelyn Fernandes	How Do Combinations of zinc and Various Organic Acids Affect E. coli?	Woodland High	1st Honors
Microbiology	Devin Chandler	What is sugar's effect on yeast?	Stockbridge High	3rd Honors
Microbiology	Omatara Tiamiyu	How does concentration affect bacterial immunity?	Eagle's Landing High	1st Honors
Physics and Astronomy	Russ Wilson	Is Sand Displacement an Effective Substitute of Water Displacement?	Ola High	4th Honors
Plant Sciences	Emma Huynh	Which Method of Home Gardening is the Most Efficient?	Union Grove High	1st Honors
Plant Sciences	Caitlyn Bailey and Reilly Dixon	Does Carbonated Water Promote Plant Growth?	Ola High	2nd Honors
Plant Sciences	Jada Thaprongsa	How Do Different Types of Metal Affect Plankton Growth?	Woodland High	2nd Honors
Plant Sciences	Grace Robertson	What is the Effect of the Note B Flat Played on a Violin on the Amount of Oil Produced by Mint Plants?	Woodland High	2nd Honors

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Plant Sciences	Crystal Moore	Bananas make fruits "unapeeling"	Stockbridge High	2nd Honors
Plant Sciences	Sarah Bellagat	Water we do? How do different sources of water affect the growth of beans?	Eagle's Landing High	1st Honors
Plant Sciences	Kennedy Collins	Do radiated seeds develop and grown as well as non-radiated seeds?	Eagle's Landing High	1st Honors
Plant Sciences	Arnav Katikaneni	The Effect of Radiation on Plant Growth	Eagle's Landing High	3rd Honors
Plant Sciences	Seriah Kornegay	The effect of different types of water on tomato plants	Eagle's Landing High	2nd Honors
Plant Sciences	Rohan Wadhvani	Effects of Irradiation on Seed Germination	Eagle's Landing High	4th Honors
Robotics and Interlligent Machines	Taasha Marecheau-Miller	Is it possible to Construct a Robotic Hand Capable of Playing Mary Had a Little Lamb on the Piano?	Woodland High	1st Honors
Software Systems	McLain Barrett	Dualer	Academy for Advanced Studies/Stockbridge High	2nd Honors
Software Systems	Errol Jones, Jr.	Big Cig	Academy for Advanced Studies/Woodland High	1st Honors
Translational Medical Sciences	Emmanuel Gardner and Jessica Ngo	Ultrasonic Waves to Eliminate Bacteria Differ from Common Methods?	Woodland High	2nd Honors
Translational Medical Sciences	Asha Gopu	A Pathological Voice Analysis to Detect Parkinson's Disease	Eagle's Landing High	1st Honors