<table>
<thead>
<tr>
<th>Name</th>
<th>Grade</th>
<th>Title</th>
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<tbody>
<tr>
<td>Isabella Hamner</td>
<td>Junior</td>
<td>Deer vs. Lavender</td>
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<tr>
<td>Tatumn Weaver</td>
<td>Junior</td>
<td>Safest Barrier?</td>
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<tr>
<td>Jillian Bernabe</td>
<td>Senior</td>
<td>The Effect of a Nonenzymatic Cu-based Glucose Biosensor Utilizing Hydrothermally Synthesized Nanocatalysts</td>
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<tr>
<td>Zane Foulk</td>
<td>Senior</td>
<td>The Integration of Image-Based Deep Learning into Water Body Turbidity Measurement Utilizing Rapid Aerial Visible Spectrum Photography with a Commercially Available Camera Drone</td>
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<tr>
<td>Lindsey Graves</td>
<td>Senior</td>
<td>The Development of a Bioattractant-Biopesticide Alginate Bead Delivery Approach to Control Spodoptera frugiperda for Postemergence Corn Crops</td>
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<tr>
<td>Mercedez Hanlon</td>
<td>Senior</td>
<td>Application of the Endophytic trichoderma harzianum as a Climate-Induced Stress Biocontrol for Glycine max: Applications in Bioengineering</td>
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<tr>
<td>Irene Meckley</td>
<td>Senior</td>
<td>The Engineering of a Biomimetic Airfoil to Reduce Cavitation and Reynold’s number in Micro Aerial Vehicles (MAVs) for Commercial and Military Applications</td>
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<tr>
<td>Emma Price</td>
<td>Senior</td>
<td>Synthesis of Human Urine into Carbon Dots for Implementation as a Visual Arsenic Assay in Water</td>
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<td>Hannah Rogers</td>
<td>Senior</td>
<td>Application-Based Integration of Motile Near-Infrared and Electrochemical Sensors with Realtime, In-Situ Indication of Nitrate-Induced Crop Stress</td>
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<td>Jake Thoenen</td>
<td>Senior</td>
<td>Engineering an Angles Ducted Propeller Shroud Using Biomimicry of the Heterocercal Shark Tail to Reduce Cavitation</td>
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<tr>
<td>Cassidy Hannigan</td>
<td>Junior</td>
<td>Algae... A Cave's Nemesis</td>
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<tr>
<td>Shawn McKinnon</td>
<td>Junior</td>
<td>Sound into Electricity</td>
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<td>Annaliese Mead</td>
<td>Junior</td>
<td>Hay Over There</td>
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<tr>
<td>Isabell Owens</td>
<td>Junior</td>
<td>Here's Your Tip!</td>
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<tr>
<td>Noah Patton</td>
<td>Junior</td>
<td>Hot Solar Improvements</td>
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<tr>
<td>Paige Schwantes</td>
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<td>Hair! Really?</td>
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<td>Carter Smith</td>
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<td>Escape the Vape</td>
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<td>Larson Ashcroft</td>
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<td>Application of an Artificial Intelligence to Interpolate Motion Data for the Purposes of Software-based Full Body Tracking in Virtual Reality</td>
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<td>Drew Patton</td>
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<td>The Effects of HDPE and PS Microplastics on Morphology and Survivability of Human Intestinal Epithelial Cells In-Vivo</td>
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<td>Raquel Potteiger</td>
<td>Senior</td>
<td>Preventing Food Illnesses: The Development of a Packaging Visual Colorimetric Bioindicator for the Detection of Campylobacter jejuni</td>
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<td>Michael Radund</td>
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<td>Retrofit Building Blast Mitigation: An Approach to Effectively Divert Blast Energy for Existing Structures Using Engineered Plastic Laminated Honeycomb Panels</td>
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<td>Grant Weaver</td>
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<td>Ecotoxicological Assessment of Tocopheryl Acetate as a Respiration Inhibitor on Tenebrio molitor</td>
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<td>Johnathon Westhusing</td>
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<td>Caden Butterfield</td>
<td>Junior</td>
<td>Healthy Grass, a Thing of the Past?</td>
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<td>Ireland Franklin</td>
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<td>Power in the Dark</td>
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<tr>
<td>Delaney Stanfield</td>
<td>Junior</td>
<td>Misconceptions of Color</td>
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<td>Kierstin Wright</td>
<td>Junior</td>
<td>Worms Vs. Contacts</td>
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<td>Thomas Cleveland</td>
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<td>Investigation on Universal Gravitation Constant Variation with respect to Cosmic Microwave Background</td>
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<td>Nicholas Faiferlick</td>
<td>Senior</td>
<td>Enhancing Biodegradation Capabilities of the Ideonella sakaiensis Plasmid Using mutD Escherichia coli: A Case Study in the Use of Directed Microbial Ecolution and Bioengineering</td>
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<td>Scott Muff</td>
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<td>Improvements to Wire Arc Additive Manufacturing by Implementation of Cooling Plate</td>
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<td>Mansi Patel</td>
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<td>Evaluation of Soil Toxicity From Bennett Spring Vernal Pond Using Aquatic Bioassays Research Proposal</td>
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<td>Alisa Rosen</td>
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<td>The Effectiveness of Enterobacteria Phage 4 at Killing Ampicillin and Penicillin Resistant Escherichia coli</td>
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<td>Bailey Shockley &amp; Zora Rowe</td>
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<td>The implementation of inspiration messages to decrease perceived stress levels in teens 15 through 18</td>
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<td>Brandi Sloan</td>
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<td>Drosophila Strains Immune Responses Relating to the Accuracy of Results when using Model Organisms</td>
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