34th BLUE RIDGE HIGHLANDS REGIONAL SCIENCE FAIR MARCH 7 - 8, 2025 RADFORD UNIVERSITY

VIRGINIA STATE SCIENCE AND ENGINEERING FAIR DELEGATES

101 Xavier Gitre

Interspecific Social Networks of Parulidae Warblers in Active Migratory Passage Blacksburg High School

Sponsor: Katharine Davis

208 Enzo Nunez

Does the Percentage of Industry Jargon in Meta Description Tags Have an Impact on Website Engagement Rate?

Southwest Virginia Governor's School

Sponsor: Sam Muriello

303 Elizabeth Zhang

Morphological Changes to the Pelvic Floor Muscle Complex Before, During, and After Pregnancy in a Murine Model

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504 Addison Sheets

Determining the Accuracy of Chlorinity in Public Pools

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505 Natalie Tessar

Exploring the Relationship Between Metalloids and Tampon Absorbency Sizes Southwest Virginia Governor's School

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602 Rishi Nair

Al-Augmented Computational Modeling of Bispecific Antibody Targeting B7H4+ Cancer Cells and CD3e+ CAR T-Cells for Targetd Therapy in Solid Tumors Blacksburg High School

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701 Jarib Cruz

The Effect of Varying Magnetic Field Intensities on the Solubility of Minerals Southwest Virginia Governor's School

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704 Finn Lucas

Effectiveness of Water Treatment Processes

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904 Minh Nguyen

Optimizing Meta-Atoms for Large Scale Metalenses

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906 Ian Yu

A Novel Approach to Martian Obstacle Detection Through Ultrasonic Transducers

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1001 Quinlan Beegle

Developing High Friction Insoles to Reduce the Size and Frequency of Microslips

in Sockless Track Athletes' Running Economy Southwest Virginia Governor's School

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1004 Spencer Sisson

Sensor to Measure Tilt While Running

Southwest Virginia Governor's School

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1103 Charlotte Phillips

Investigating Microplastic Trapping Efficiency of Coral Reef Regrowth Structures in Simulated Ocean Currents in the Presence of Modeled Acropora cervicomis

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1204 Lydia Pratt

Effects of Coatings on the Ultrasonic Testing of Welds on Structural Steel

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1205 Alexandria Swenson

Aesthetic Properties of Alginate-Based Yarn and Its Commercial Counterparts

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1305 Eleanor Steele

Effects of Biochar Soil Amendment of Pisam sativum Under Flood Conditions Southwest Virginia Governor's School

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1402 Ingrid Jora Macrea

The Accuracy of an American Sign Language Recognition Deep Neural Network Under Healthcare Conditions

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