

Presentation Schedule - High School

2024 VJAS Symposium

May 4, 2024



Table of Contents

Table of Contents.....	2
BOT - Botany - A.....	3
BOT - Botany - B.....	4
BOT - Botany - C.....	5
CHM - Chemistry - A.....	7
CHM - Chemistry -B.....	9
COM - Computational Biology - A.....	11
COM - Computational Biology - B.....	11
EGR - Engineering - A.....	12
ENV - Environmental and Earth Science -A.....	18
MTM - Mathematics: Theoretical and Modeling.....	25
MDH - Medicine and Health - A.....	26
MDH - Medicine and Health - B.....	27
MDH - Medicine and Health - C.....	28
MDH - Medicine and Health - D.....	29
MCB - Microbiology and Cell Biology - A.....	31
MCB - Microbiology and Cell Biology - B.....	32
MCB - Microbiology and Cell Biology - C.....	34
PHY - Physics and Astronomy - A.....	35
PHY - Physics and Astronomy - B.....	36
PSY - Psychology - A.....	37
SAI - Statistical Analysis and Inferences.....	41
ZOO - Zoology - A.....	43
ZOO - Zoology - B.....	44

BOT - Botany - A

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Pabis Scott The Effects of Growth Restrictions on Raphanus sativus	Scott	Pabis	Central Virginia Governor's School for Science and Technology	Round 3 Botany A (BOT-A)	10:00
Patel Dharya The Effect of Natural Fertilizers on Beanstalk Plant Height	Dharya	Patel	Mills E Godwin High School	Round 3 Botany A (BOT-A)	10:20
Radtke Tyler The Effect of the Percentage of Surface Area Coverage of Water Lilies in Walton's Lake on pH, Dissolved Oxygen, and Turbidity Per Plot	Tyler	Radtke	Clover Hill High School	Round 3 Botany A (BOT-A)	10:40
Richardson Graham, The Effect of Chemical Solutions on Pinto Bean Growth	Graham	Richardson	Mills E Godwin High School	Round 3 Botany A (BOT-A)	11:00
Royster Lucas The Effect of Poa pratensis Height on Soil Temperature	Lucas	Royster	Mills E Godwin High School	Round 3 Botany A (BOT-A)	11:20
Siddabattula Siddarth The Effect of Mycorrhiza on Trigonella foenum-graecum in Acidified Soil	Siddarth	Siddabattula	Mills E Godwin High School	Round 3 Botany A (BOT-A)	11:40
Lunch Break/Restart Zoom					12:00
Sooda Saanvi A Comparison of Solute Concentration of Aqueous Fertilizer on Stem Elongation of Hydroponic Fenugreek	Saanvi	Sooda	Mills E Godwin High School	Round 3 Botany A (BOT-A)	12:30
Thornton Catherine How Different Colors of LED Lighting Affect Growth in Wheat Crops	Catherine	Thornton	Central Virginia Governor's School for Science and Technology	Round 3 Botany A (BOT-A)	12:50
Shruthi Tirunahari The Effect of Overcrowding on Crop Production	Shruthi	Tirunahari	Mills E Godwin High School	Round 3 Botany A (BOT-A)	1:10
BOT A Judges determine places after last presentation					1:30

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
BOT Head Judges determine top Botany Paper					2:30
Special Judges meet at 4 pm					4:00

BOT - Botany - B

Project Title	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Alberti Victoria The Effect of Compliments and Insults on Plant Growth	Victoria	Alberti			Mills E Godwin High School	Round 3 Botany B (BOT-B)	10:00
Bill Thomas, Yang Leslie, Urine as a Nitrogen Source for Lepidium sativum: Creation of a Novel Synthetic Solid Urine Testing Model and Product	Thomas	Bill	Leslie	Yang	Harrisonburg High School	Round 3 Botany B (BOT-B)	10:20
Bupp Taylor, The Effect of Chemical Fertilizer vs. Rabbit Manure on Grass Growth	Taylor	Bupp			Clover Hill High School	Round 3 Botany B (BOT-B)	10:40
Collins Audrey Testing Honey's Antifungal Properties on the Development of Tomato Wilt (Fusarium oxysporum)	Audrey	Collins			Central Virginia Governor's School for Science and Technology	Round 3 Botany B (BOT-B)	11:00
Dang Andrew The Effect of Different Macronutrient Supplements on Radish Plant Growth	Andrew	Dang			Mills E Godwin High School	Round 3 Botany B (BOT-B)	11:20
DeWitt Nicholas The effect of drought on the emergence rate of Glycine Max	Nicholas	DeWitt			Central Virginia Governor's School for Science and Technology	Round 3 Botany B (BOT-B)	11:40
Lunch Break/Zoom Restart							12:00

Project Title	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Ellis Abigael The Effect of Applying Various Types of Sunscreen to the Leaves of Devil's Ivy Plants on the Number of Discolored (Brown Spotted/Yellowed) Leaves, the Number of Fallen Leaves, and the Length of the Roots, Over Time	Abigael	Ellis			Clover Hill High School	Round 3 Botany B (BOT-B)	12:30
Crosby Lindley The Effect of Agricultural Pesticides on the Early Growth and Development of Z. mays	Lindley	Crosby			Central Virginia Governor's School for Science and Technology	Round 3 Botany B (BOT-B)	12:50
BOT B Judges meet to determine places after the last presentation							1:10
BOT Head Judges meet to determine best paper							2:30
Special Judges meet at 4 PM							4:00

BOT - Botany - C

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Methari Anwitha The Effect of nutrient dense waters on height of radish microgreens.	Anwitha	Methari	Mills E Godwin High School	Round 3 Botany C (BOT-C)	10:00
Harwood Natalie Mycorrhizal Fungi and their Relationship with Plant Productivity and Carbon Decomposition	Natalie	Harwood	Collegiate	Round 3 Botany C (BOT-C)	10:20
Hensley Madison Comparing Sister Cropping to Various Fertilizers Indoor and Outdoor	Madison	Hensley	Chesapeake Bay Governor's School	Round 3 Botany C (BOT-C)	10:40
Jeyasingh Daniella-The Effect of Arbuscular Mycorrhizal Fungi on Asclepias Syriaca growth in Acidic Soil	Daniella	Jeyasingh	Mills E Godwin High School	Round 3 Botany C (BOT-C)	11:00
Krzyzanowski Anna Salinity Effects on the Growth of Atlantic White Cedar	Anna	Krzyzanowski	Hampton Roads Academy	Round 3 Botany C (BOT-C)	11:20

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Makineni Grihith, The Effect of Pest Control on Plants Infested by Pests.	Grihith	Makineni	Mills E Godwin High School	Round 3 Botany C (BOT-C)	11:40
Lunch Break/Zoom Restart					12:00
Lennon Lilly, The Effect of Soil Additive on Basil Growth	Lilly	Lennon	Mills E Godwin High School	Round 3 Botany C (BOT-C)	12:30
Miles Chloe, How Organic and Synthetic Insecticides Affect Marigold Growth	Chloe	Miles	Collegiate	Round 3 Botany C (BOT-C)	12:50
BOT C Judges meet after the last presentation to determine places					1:10
BOT Head Judges meet to determine top BOT paper					2:30
Special Judges meet at 4 PM					4:00

BOT - Botany - D

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Murphy Liam The effect of water placement on root growth	Liam	Murphy	Mills E Godwin High School	Round 3 Botany D (BOT-D)	10:00
Nyffeler Megan The Effect of Herbicides on Photosynthetic Rate	Megan	Nyffeler	Mills E Godwin High School	Round 3 Botany D (BOT-D)	10:20
Olihnenco Abigail The Effect of Relative Humidity on Thyme Growth	Abigail	Olihnenco	Mills E Godwin High School	Round 3 Botany D (BOT-D)	10:40
Vasudev Aditi The Effect of Hydroponic Nutrient Additives on Tomato Growth	Aditi	Vasudev	Mills E Godwin High School	Round 3 Botany D (BOT-D)	11:00

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Vasudev Vimridh Exploring the Impact of Arbuscular Mycorrhizal Fungi Presence on Spring Onion Growth Under Environmental Stress Factors	Vimridh	Vasudev	Mills E Godwin High School	Round 3 Botany D (BOT-D)	11:20
Veerapaneni Srivedha The Effect of Banana Stem Covering on Ripening Time	Srivedha	Veerapaneni	Mills E Godwin High School	Round 3 Botany D (BOT-D)	11:40
Lunch Break/Zoom Restart					12:00
Vinjanampati Gauri The Effect of Rhizobia on Vigna radiata Growth in Acidified Soil	Gauri	Vinjanampati	Mills E Godwin High School	Round 3 Botany D (BOT-D)	12:30
Zahra Meraal The Effect of Organic and Inorganic Fertilizers in Field Corn Plants Vitamin C Concentration	Meraal	Zahra	Central Virginia Governor's School for Science and Technology	Round 3 Botany D (BOT-D)	12:50
Nelson Leighton The Effect of Bioremediating Ammonium Nitrate on Lemna minor	Leighton	Nelson	Central Virginia Governor's School for Science and Technology	Round 3 Botany D (BOT-D)	1:10
BOT D Judges meet after the last presentation to determine places					1:30
BOT Head Judges meet to determine top BOT paper					2:30
Special Judges meet at 4 PM					4:00

CHM - Chemistry - A

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Fulcher Riley, The Effect on the Carbon Dioxide Levels of Saccharomyces cerevisiae When Used With Various Sugars	Riley	Fulcher	Central Virginia Governor's School for Science and Technology	Round 3 Chemistry A (CHM-A)	10:00

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Archer Folasade The Effect of Using Baking Powder versus Different Types of Yeast, as a Leavening Agent, on the Height and Density of Madeleines	Folasade	Archer	Clover Hill High School	Round 3 Chemistry A (CHM-A)	10:20
Heath Clara The Effect of Microwave Popcorn Popping Time and Power Level on the Percentage of Popped, Unpopped, and Burned Kernels	Clara	Heath	Clover Hill High School	Round 3 Chemistry A (CHM-A)	10:40
Bukin Nikolai The Effect of Heating on Emission of Microplastics	Nikolai	Bukin	Mills E Godwin High School	Round 3 Chemistry A (CHM-A)	11:00
Dore Kellan The Effect of Amount of Time Exposed to Ultraviolet Light on Acrylic Paint Drying Time	Kellan	Dore	Clover Hill High School	Round 3 Chemistry A (CHM-A)	11:20
Flores Abigail Lynn The Effect of Painting Oak Wood with Three Different Colors of Acrylic Paint, and Exposing the Paintings to Sunlight, Artificial Light, and No Light on the Difference in RGB Values Over Time	Abigail Lynn	Flores	Clover Hill High School	Round 3 Chemistry A (CHM-A)	11:40
Lunch Break/Zoom Restart					12:00
Gogineni Shayni The Effect of Testing the Glucose Levels in Four Different Types of Fruit, Before and After Cooking the Fruits, on the Resultant Glucose Levels in each Type of Fruit	Shayni	Gogineni	Clover Hill High School	Round 3 Chemistry A (CHM-A)	12:30
Greer Meredith The Effect of Using Cage Free, Free Range, Pasture-Raised, and Caged Eggs in a Cupcake Recipe on the Resultant Density of the Cupcake	Meredith	Greer	Clover Hill High School	Round 3 Chemistry A (CHM-A)	12:50
CHM A Judges met after the last presentation to determine places					1:10
CHM Head Judges meet to determine the best CHM paper					2:00
Special Judges meet at 4 PM					4:00

CHM - Chemistry -B

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Hoerter Ruby The Concentration of Vitamin C In Non-Organic and Organic Fruits and Vegetables	Ruby	Hoerter	Southwest Virginia Governor's School	Round 3 Chemistry B (CHM-B)	10:00
Kalore Anaya, The Effect of Different Soils on Metal Corrosion	Anaya	Kalore	Mills E Godwin High School	Round 3 Chemistry B (CHM-B)	10:20
Kannure Manasvi The Effect of Aloe Vera on Inhibition of Steel Corrosion	Manasvi	Kannure	Mills E Godwin High School	Round 3 Chemistry B (CHM-B)	10:40
Malik Zainah The Effect of Lipase on the Degradation of Different Microplastics	Zainah	Malik	Mills E Godwin High School	Round 3 Chemistry B (CHM-B)	11:00
Martin Cole The Effect of Ripeness of Banana (Days Since Purchase) on the Height of Banana Bread	Cole	Martin	Clover Hill High School	Round 3 Chemistry B (CHM-B)	11:20
Mathew Ana-The Effect of Various Novel Adsorbents on Methylene Blue Adsorption	Anya	Mathew	Mills E Godwin High School	Round 3 Chemistry B (CHM-B)	11:40
Lunch Break/Zoom Restart					12:00
Modi Aditya Effect of Various Teas and Remedies on Neutralizing Stomach Acid	Aditya	Modi	Mills E Godwin High School	Round 3 Chemistry B (CHM-B)	12:30
CHM B Judges meet after last presentation to determine places					12:50
CHM Head Judges meet to determine top CHM paper					2:00
Special Judges meet at 4 PM					4:00

CHM - Chemistry -C

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Woo Julianne The Effect of Chlorine Concentration of the Water that Hair is Soaked in on the Change in Color of the Hair	Julianne	Woo	Clover Hill High School	Round 3 Chemistry C (CHM-C)	10:00
Nareddy Tanvi The Effect of UVB Light Radiation on the Photodegradation of β -carotene	Tanvi	Nareddy	Mills E Godwin High School	Round 3 Chemistry C (CHM-C)	10:20
Pillai Neha The Effect of Road Salt on the Corrosion of Automobile Parts	Neha	Pillai	Mills E Godwin High School	Round 3 Chemistry C (CHM-C)	10:40
Sagini Ryan The Effect of Various Chemical Agents on the Permeability of Latex Gloves	Ryan	Sagini	Clover Hill High School	Round 3 Chemistry C (CHM-C)	11:00
Shah Vidhi The Effect of Various Sweeteners, Used in a Kombucha Recipe, on the pH of the Kombucha, Over Time	Vidhi	Shah	Clover Hill High School	Round 3 Chemistry C (CHM-C)	11:20
Strang Kyler The Effect of Battery Charge on Battery Reactivity	Kyler	Strang	Arlington Career Center	Round 3 Chemistry C (CHM-C)	11:40
Lunch Break/Zoom Restart					12:00
Talajia Disha Nutritional Content of Bananas Over Periods of Time	Disha	Talajia	Southwest Virginia Governor's School	Round 3 Chemistry C (CHM-C)	12:30
CHM C Judges meet after the last presentation to determine places					12:50
CHM Head Judges meet to determine top CHM paper					2:00
Special Judges meet at 4 PM					4:00

COM - Computational Biology - A

Presentation Title	First Name	Last Name	School	Category and Section	Presentation Time
Beasley Connor Metagenomic Analysis of the Microbial Biodiversity in Soil of Mountain Balds in Appalachia	Connor	Beasley	Southwest Virginia Governor's School	Round 3 Computational Biology A (COM-A)	10:00
Gandhari Ashrita Minimizing In-Vitro Fertilization Failures by Utilizing Artificial Intelligence to Evaluate the Health of Human Embryos	Ashrita	Gandhari	Thomas Jefferson High School for Science and Technology	Round 3 Computational Biology A (COM-A)	10:20
Ganesh Taarun In silico design of a multi-epitope-based vaccine against the Rocio virus	Taarun	Ganesh	Individual	Round 3 Computational Biology A (COM-A)	10:40
Jaddu Shriya SeizAlert: A Deep-Learning Enabled System for Non-Invasive Pre-Ictal Seizure Prediction	Shriya	Jaddu	Individual	Round 3 Computational Biology A (COM-A)	11:00
Jaddu Sidh Investigating the Factors Affecting the Spread of the Opioid Epidemic Using Machine Learning	Sidh	Jaddu	Individual	Round 3 Computational Biology A (COM-A)	11:20
COM A Judges meet after the last presentation to determine places					11:40
Lunch Break/Zoom Restart					12:00
COM Head Judges meet to determine top COM paper					1:30
Special Judges meet at 4 PM					4:00

COM - Computational Biology - B

Presentation Title	First Name	Last Name	School	Category and Section	Presentation Time
Sweeney Aidan How to Detect AI in Order to Promote Academic Integrity	Aidan	Sweeney	Chesapeake Bay Governor's School	Round 3 Computational Biology B (COM-B)	10:00

Presentation Title	First Name	Last Name	School	Category and Section	Presentation Time
Shea Brennan The Effect of Various Mutation Rates in an AI Pathfinding Experiment on Number of Generations Until Path to the Finish Line was Found	Brennan	Shea	Clover Hill High School	Round 3 Computational Biology B (COM-B)	10:20
Kulkarni Rohit Adversarially-Driven Generation of De Novo Proteins for Therapeutic Drug Design	Rohit	Kulkarni	Freedom High School	Round 3 Computational Biology B (COM-B)	10:40
Singamaneni Yashvanth Anisotropic Protein Secretions: Using Computer Vision to reveal insights into macrophages infected with Mycobacterium Tuberculosis	Yashvanth	Singamaneni	Individual	Round 3 Computational Biology B (COM-B)	11:00
Rudraraju Aarush The Effect of Neurotransmitters on Synaptic Plasticity: Computational Simulation	Aarush	Rudraraju	Mills E Godwin High School	Round 3 Computational Biology B (COM-B)	11:20
Sabharwal Yashvir NephroNet: A Novel Program for Identifying Renal Cell Carcinoma and Generating Synthetic Training Images with Convolutional Neural Networks and Diffusion Models	Yashvir	Sabharwal	Individual	Round 3 Computational Biology B (COM-B)	11:40
Lunch Break/Zoom Restart					12:00
COM B Judges meet after last presentation to determine places					12:30
COM Head Judges meet to determine top COM paper					1:30
Special Judges meet at 4 PM					4:00

EGR - Engineering - A

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Bradshaw Ava Effect of Maximum Plantar Flexion Angle of a Transtibial Prosthesis on Unilateral Amputee Gait Symmetry	Ava	Bradshaw	Central Virginia Governor's School for Science and Technology	Round 3 Engineering A (EGR-A)	10:00
Ashman Chris The Effect of Cyanoacrylate on the Elasticity Modulus of PVA Hydrogels for Cartilage Repair	Christopher	Ashman	Central Virginia Governor's School for Science and Technology	Round 3 Engineering A (EGR-A)	10:20

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Barron Asher The Effect of Varied Load Resistance on the Power Produced By a Hydroelectric Turbine	Asher	Barron	Central Virginia Governor's School for Science and Technology	Round 3 Engineering A (EGR-A)	10:40
Fitzgerald Joseph The Effect Of Fiberglass on the Freeze-Thaw Change in Compressive Strength of Pervious Concrete	Joseph	Fitzgerald	Central Virginia Governor's School for Science and Technology	Round 3 Engineering A (EGR-A)	11:00
Canada Tripp, The Effect of the Leading Edge on the Lift-to-Drag-Ratio of an Airfoil	Tripp	Canada	Central Virginia Governor's School for Science and Technology	Round 3 Engineering A (EGR-A)	11:20
Cabral Alexander The Effect of Acoustic Horn Exit Hole Size on the Volume of the Exiting Soundwave	Alexander	Cabral	Clover Hill High School	Round 3 Engineering A (EGR-A)	11:40
Lunch Break/Zoom Restart					12:00
Bahrambegi Cyrus Analyzing Sustainable Energy Production Using Anaerobic Cellular Respiration from Microorganisms Derived from a Modified Microbial Fuel Cell System	Cyrus	Bahrambegi	Individual	Round 3 Engineering A (EGR-A)	12:30
Cohen Gabriel An Investigation Into the EEG Capabilities of the Star Wars Force Trainer II	Gabriel	Cohen	Individual	Round 3 Engineering A (EGR-A)	12:50
Bothra Sanaya The Effect of Transcranial Magnetic Stimulation on the Resistivity of a Fiber Based Synaptic Devices	Sanaya	Bothra	Individual	Round 3 Engineering A (EGR-A)	1:10
Achanta Sriman NN-based Deep Learning Skin Cancer Classification Using Dermoscopic Images	Sriman	Achanta	Mills E Godwin High School	Round 3 Engineering A (EGR-A)	1:30
EGR A Judges meet after the last presentation to determine places					1:50
EGR Head Judges meet to determine the top EGR paper					2:30
Special Judges meet at 4 PM					4:00

EGR - Engineering - B

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Layman, Carson The Correlation Among Rotor Diameters and Wind Turbine Power Generation	Carson	Layman	Central Virginia Governor's School for Science and Technology	Round 3 Engineering B (EGR-B)	10:00
Gitta Abhinav Cataract Detection with Machine Learning	Abhinav	Gitta	Individual	Round 3 Engineering B (EGR-B)	10:20
Goodwin Savannah The Effect of Bridge Deck Structure on Resistance to Downward Loading Force	Savannah	Goodwin	Central Virginia Governor's School for Science and Technology	Round 3 Engineering B (EGR-B)	10:40
Hasan Zayd Designing A Compact Cost-Effective Bioprinting Platform	Zayd	Hasan	Mathematics and Science Academy at Ocean Lakes High School	Round 3 Engineering B (EGR-B)	11:00
Haskin Andrew The Effect of the Application of Various Chemical Additives, onto the Golf Club, on the Distance the Ball Travels, Spin Rate, and Launch Angle	Andrew	Haskin	Clover Hill High School	Round 3 Engineering B (EGR-B)	11:20
Jansen Hannah Impact of Toroidal Propeller Design on Unmanned Aerial Vehicle Acoustic Signature and Aerodynamic Performance	Hannah	Jansen	Governor's School @ Innovation Park	Round 3 Engineering B (EGR-B)	11:40
Lunch Break/Zoom Restart					12:00
Kambham Rishab The Effect of Electrode Location on Brain Activity	Rishab	Kambham	Mills E Godwin High School	Round 3 Engineering B (EGR-B)	12:30
Larimer Laura, The Effect of Wind Speed, in a Wind Tunnel, on Amount of Damage to Model Houses, Measured by Number of House Pieces Removed During Simulated Wind Storm	Laura	Larimer	Clover Hill High School	Round 3 Engineering B (EGR-B)	12:50
Grohs Zach The Effects of Gasoline Additives on the Efficiency of Internal Combustion Engines	Zach	Grohs	Central Virginia Governor's School for Science and Technology	Round 3 Engineering B (EGR-B)	1:10

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Guo Calvin The Effect of Salt Water Fuel Cell Wall Spacing on the Generation of Energy	Calvin	Guo	Central Virginia Governor's School for Science and Technology	Round 3 Engineering B (EGR-B)	1:30
EGR B Judges meet after the last presentation to determine places					1:50
EGR Head Judges meet to determine top EGR paper					2:30
Special Judges meet at 4 PM					4:00

EGR - Engineering - C

Presentation Title	First Name	Last Name	School	Category and Section	Presentation Time
Li Alexander, Enhancing Driving Safety Via Real Time Suppression of Radar Interference	Alexander	Li	Blacksburg High School	Round 3 Engineering C (EGR-C)	10:00
Miller Madeline Developing a Method for Aquaculture of a Local Polychaete Worm to Replace Imported Bloodworms	Madeline	Miller	Chesapeake Bay Governor's School	Round 3 Engineering C (EGR-C)	10:20
Morin Andrew The Effect of Various Soundproofing Materials and Various Decibel Levels on the Number of Decibels that Pass Through the Materials	Andrew	Morin	Clover Hill High School	Round 3 Engineering C (EGR-C)	10:40
Penumudi Aashritha SpecuSafe: A Non-invasive and Intelligent Approach to Cervical Examinations	Aashritha	Penumudi	Individual	Round 3 Engineering C (EGR-C)	11:00
Pisolkar Kiran The Effect of Sand Composition on the Amount of Heat Stored For Potential Use as a Sand Battery	Kiran	Pisolkar	Clover Hill High School	Round 3 Engineering C (EGR-C)	11:20
Sambangi Sriharsha-Synergizing Scaffold Micro-Architectures and Mechanical Stimuli to Enhance Engineered Tissue Growth	Sriharsha	Sambangi	Individual	Round 3 Engineering C (EGR-C)	11:40
Lunch Break/Zoom Restart					12:00

Presentation Title	First Name	Last Name	School	Category and Section	Presentation Time
Shah Sanay, The Effect of Parameter Count on Aerial Trash Detection Accuracy	Sanay	Shah	Central Virginia Governor's School for Science and Technology	Round 3 Engineering C (EGR-C)	12:30
Phillips Margaret The Effect of Price on Cello String Performance	Margaret	Phillips	Central Virginia Governor's School for Science and Technology	Round 3 Engineering C (EGR-C)	12:50
Ploch Sebastian The Electromagnetic Shielding Capability of Different Materials	Sebastian	Ploch	Central Virginia Governor's School for Science and Technology	Round 3 Engineering C (EGR-C)	1:10
Putnam Linus The Effects of Differing pH Water on Concrete's Compressive Strength	Linus	Putnam	Central Virginia Governor's School for Science and Technology	Round 3 Engineering C (EGR-C)	1:30
EGR C Judges meet after the last presentation to determine places					1:50
EGR Head Judges meet to determine the top EGR paper					2:30
Special Judges meet at 4 PM					4:00

EGR - Engineering - D

Presentation Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Stickle Alec The Effect of Stride Length on Piezoelectric Generation While Walking	Alec	Stickle					Central Virginia Governor's School for Science and Technology	Round 3 Engineering D (EGR-D)	10:00
Whitmore Cullen Microscopic Analysis of Decay Potential of Dental Implants in Vinegar	Cullen	Whitmore					Central Virginia Governor's School for Science and Technology	Round 3 Engineering D (EGR-D)	10:20
Sisson Isabella The Effect of Different Paint Colors on the Rate of Heating/Cooling of Water over Time	Isabella	Sisson					Clover Hill High School	Round 3 Engineering D (EGR-D)	10:40

Presentation Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Wilt Kallen The Effect of Brand of Tennis Shoes on Difference in Tread Depth Over Time After Simulation of Running	Kallen	Wilt					Clover Hill High School	Round 3 Engineering D (EGR-D)	11:00
Uddin Zaara, Amaya Rocha Ninette, Ben Chouikha Yaseen CO-Clean: Filtering Emissions for a Better Future	Zaara	Uddin	Ninette	Amaya Rocha	Yaseen	Ben Chouikha	Governor's School @ Innovation Park	Round 3 Engineering D (EGR-D)	11:20
Vithoukass Tess The Effect of Different Solar Still Condenser Shapes on the Rate of Distillation	Tess	Vithoukass					John Randolph Tucker High School	Round 3 Engineering D (EGR-D)	11:40
Lunch Break/Zoom Restart									12:00
Sunilkumar, Aditya The Effect of Sidepod Type on Vehicle Performance	Aditya	Sunilkumar					Mills E Godwin High School	Round 3 Engineering D (EGR-D)	12:30
Williams Kyler Effects of Supportive Insoles on Foot Pressure and Performance During Soccer Movements	Kyler	Williams					Blacksburg High School	Round 3 Engineering D (EGR-D)	12:50
Yeri Varun The Effect of Various Dielectric Composites on Observed Capacitance in a Capacitor	Varun	Yeri					Mills E Godwin High School	Round 3 Engineering D (EGR-D)	1:10
Yi Anna Comparing the Changes in Temperature of Sustainable Insulation Materials	Anna	Yi					Central Virginia Governor's School for Science and Technology	Round 3 Engineering D (EGR-D)	1:30
EGR D Judges meet after the last presentation to determine places									1:50
EGR Head Judges meet to determine top EGR paper									2:30
Special Judges meet at 4 PM									4:00

ENV - Environmental and Earth Science -A

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Abdelbagi Amna The Effect of Different Levels of Salt Concentration on Plant Growth	Amna	Abdelbagi					Arlington Career Center	Round 3 Environmental & Earth Science A (ENV-A)	10:00
Ackleson Emma The Effect of Pseudomonas fluorescens and Bacillus cereus on the Degradation of Microplastics.	Emma	Ackleson					Washington Liberty High School	Round 3 Environmental & Earth Science A (ENV-A)	10:20
Alsheikh Khadeejah, Minter Kayla, Weeks Willow Putative Toxins and their Effect on Copepods in the Chesapeake Bay	Khadeejah	Alsheikh	Willow	Weeks	Kayla	Minter	Governor's School @ Innovation Park	Round 3 Environmental & Earth Science A (ENV-A)	10:40
Amundson Clara, The Effect of Smoke from Various Burnt Materials on the Height Difference of Cat Grass	Clara	Amundson					Individual	Round 3 Environmental & Earth Science A (ENV-A)	11:00
Ahmad Sajeela The Effect of Toxic and Green Detergent on Red Worms (Eisenia Fetida)	Sajeela	Ahmad					Individual	Round 3 Environmental & Earth Science A (ENV-A)	11:20
Yadav Anshika-The Effect of Polluted Water Runoff on Daphnia magna	Anshika	Yadav					Mills E Godwin High School	Round 3 Environmental & Earth Science A (ENV-A)	11:40
Lunch Break/Zoom Restart									12:00
Althaus Joshua The Effect of Pyrethrin-Based Pesticide on Pill Bug Activity	Joshua	Althaus					Mills E Godwin High School	Round 3 Environmental & Earth Science A (ENV-A)	12:30
Anderson Marianna The Effect of Ocean Acidification on the Photosynthetic Efficiency of Dictyota dichotoma and Halimeda opuntia	Marianna	Anderson					Collegiate	Round 3 Environmental & Earth Science A (ENV-A)	12:50

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Swenson Alexandria Mean Frequencies of Microplastics in Commercially Processed Equine Feeds	Alexandria	Swenson					Southwest Virginia Governor's School	Round 3 Environmental & Earth Science A (ENV-A)	1:10
Aggarwal Swati Evaluating Homemade and Industrial Rust Removers on Steel Metal	Swati	Aggarwal					Southwest Virginia Governor's School	Round 3 Environmental & Earth Science A (ENV-A)	1:30
ENV A Judges meet after last presentation to determine places									1:50
ENV Head Judges meet to determine top ENV paper									2:30
Special Judges meet at 4 PM									4:00

ENV - Environmental and Earth Science -B

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Biddlecomb Nathalie The Effect of Varying Baits Used in Crab Pots on the Quality of Crabs Caught	Nathalie	Biddlecomb	Chesapeake Bay Governor's School	Round 3 Environmental & Earth Science B (ENV-B)	10:00
Douglass Taylor, Alternative Natural Air Filter Media Impact on Air Quality	Taylor	Douglass	Central Virginia Governor's School for Science and Technology	Round 3 Environmental & Earth Science B (ENV-B)	10:20
Eubanks Annie The Effect of Superabsorbent Polymer Composition on Water Retention of Hydrogels	Annie	Eubanks	Mills E Godwin High School	Round 3 Environmental & Earth Science B (ENV-B)	10:40
Falgui Bridget The Effect of Heavy Metal Concentration (Lead (II) Nitrate) on Daphnia magna Heart Rate	Bridget	Falgui	Mills E Godwin High School	Round 3 Environmental & Earth Science B (ENV-B)	11:00

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Frias Abigail The Effect of Types of Wood, Soaked in Water for Prolonged Periods of Time, on the Difference Between the Initial Circumference and Final Circumference and the Difference Between the Initial Weight and the Final Weight	Abby	Frias	Clover Hill High School	Round 3 Environmental & Earth Science B (ENV-B)	11:20
Gitre Xavier The Impact of Environmental Methylmercury Exposure on the Feeding Rates of Invertivorous Passerines	Xavier	Gitre	Blacksburg High School	Round 3 Environmental & Earth Science B (ENV-B)	11:40
Lunch Break/Zoom Restart					12:00
Haq Mishaal The Effect of Activated Carbon on the Quantity of Chlorine in Water	Mishaal	Haq	Mills E Godwin High School	Round 3 Environmental & Earth Science B (ENV-B)	12:30
Emily Paul Creating a Close Chamber System to Measure Carbon Dioxide Efflux From Far North Environments	Emily	Paul	Southwest Virginia Governor's School	Round 3 Environmental & Earth Science B (ENV-B)	12:50
ENV B Judges meet after the last presentation to determine places					1:10
ENV Head Judges meet to determine top ENV paper					2:30
Special Judges meet at 4 PM					4:00

ENV - Environmental and Earth Science -C

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Hospodar Libbie Examining Autochthonous Alternatives to Tropical Coconut Coir for Shoreline Engineering	Libbie	Hospodar					Chesapeake Bay Governor's School	Round 3 Environmental & Earth Science C (ENV-C)	10:00
Jacob Riya, Gaddam Siri, Enhancing the Nutritive Content of Brassica Oleracea Using a Fruit Material Fortified Nutrient Solution	Riya	Jacob	Siri	Gaddam			Academies of Loudoun	Round 3 Environmental & Earth Science C (ENV-C)	10:20

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Judy Emily The Effects of Different Types of Sunscreen on the Growth of a Dinoflagellate Mixture	Emily	Judy					Central Virginia Governor's School for Science and Technology	Round 3 Environmental & Earth Science C (ENV-C)	10:40
Khan Amina The Filtration of Microplastics Using Lemna Minor	Amina	Khan					Central Virginia Governor's School for Science and Technology	Round 3 Environmental & Earth Science C (ENV-C)	11:00
Kildoo Davis, A Cost-Based Risk Assessment of Climate Events for the Southeastern US	Davis	Kildoo					Chesapeake Bay Governor's School	Round 3 Environmental & Earth Science C (ENV-C)	11:20
Kirubaharan Diyaa The Effect of Sunscreen on Heart Rate of Daphnia Manga	Diyaa	Kirubaharan					Mills E Godwin High School	Round 3 Environmental & Earth Science C (ENV-C)	11:40
Lunch Break/Zoom Restart									12:00
Lahmers Sage Relationship Between Below Ground Biomass and Soil Organic Matter: a Case Study in Mt Tabor, Blacksburg	Sage	Lahmers					Blacksburg High School	Round 3 Environmental & Earth Science C (ENV-C)	12:30
Isabelle Hoover, Zainab Soofi, Lauren Kim Discovering the effect of anthropogenic vibrations on the behaviors and development of Artemia salina	Zainab	Soofi	Isabelle	Hoover	Lauren	Kim	Governor's School @ Innovation Park	Round 3 Environmental & Earth Science C (ENV-C)	12:50
ENV C Judges meet after the last presentation to determine places									1:10
ENV Head Judges meet to determine top ENV paper									2:30
Special Judges meet at 4 PM									4:00

ENV - Environmental and Earth Science -D

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Leo Layla The Impact of Livestock Antibiotics on Marsh Microbes	Layla	Leo	Chesapeake Bay Governor's School	Round 3 Environmental & Earth Science D (ENV-D)	10:00
Logan Taylor, The Effect of Temperature Stress on the Filtration Rate of 3 Different Bivalves	Taylor	Logan	Chesapeake Bay Governor's School	Round 3 Environmental & Earth Science D (ENV-D)	10:20
Matos Emma The Effect of an Adsorbent Raw Bamboo Filter on a Sustainable Removal of Methylene Blue Dyes from Wastewater	Emma	Matos	Mills E Godwin High School	Round 3 Environmental & Earth Science D (ENV-D)	10:40
Micket Camryn, Fighting Global Warming's Evil Twin: A Study on Alkalinity and Calcium Buffering Capacity in the Lower Chesapeake Bay	Cameron	Micket	Chesapeake Bay Governor's School	Round 3 Environmental & Earth Science D (ENV-D)	11:00
Ransone Bevan Prevalence of Macroparasites Polydora websteri and Zaops ostreus Within Crassostrea virginica in Varying Environmental Conditions.	Christopher	Ransone	Chesapeake Bay Governor's School	Round 3 Environmental & Earth Science D (ENV-D)	11:20
Sridhar Sriya Enzymatic Engineering for Enhanced Plastic Degradation in a Novel Plasmid System	Sriya	Sridhar	Blacksburg High School	Round 3 Environmental & Earth Science D (ENV-D)	11:40
Lunch Break/Zoom Restart					12:00
Sundarrajan Pranav The Effect of Citric Acid on Heavy Metal Rhizofiltration Efficiency	Pranav	Sundarrajan	Mills E Godwin High School	Round 3 Environmental & Earth Science D (ENV-D)	12:30
Mary Ann Zyglocke Impact of Different Levels of Sunlight on Dissolved Oxygen Produced by Elodea canadensis	Mary	Zyglocke	Collegiate	Round 3 Environmental & Earth Science D (ENV-D)	12:50
ENV D Judges meet after the last presentation to determine places					1:10
ENV Head Judges meet to determine top ENV paper					2:30
Special Judges meet at 4 PM					4:00

ENV - Environmental and Earth Science -E

Presentation Time	First Name	Last Name	School	Category and Section	Presentation Time
Schrader Jack The Effect of Land Gradients on Erosion Risk	Jack	Schrader	Central Virginia Governor's School for Science and Technology	Round 3 Environmental & Earth Science E (ENV-E)	10:00
Tristan Fields The effect of <i>A. platensis</i> -containing water-like growth mediums on pH variation	Tristan	Fields	Mills E Godwin High School	Round 3 Environmental & Earth Science E (ENV-E)	10:20
Murphy Caitlin Exploring the Use of Reclaimed Eutrophic Water for Growing Butterhead Lettuce (<i>Lactuca sativa</i> var. <i>capitata</i>) in a Hydroponic System	Caitlin	Murphy	Chesapeake Bay Governor's School	Round 3 Environmental & Earth Science E (ENV-E)	10:40
Nayak Aarav The Effect of Different Oil Filters on Oil Filtered	Aarav	Nayak	Mills E Godwin High School	Round 3 Environmental & Earth Science E (ENV-E)	11:00
Ohlschlager Lily, <i>Hydrilla verticillata</i> in the Chickahominy River- Are All Invaders Really Bad?	Lily	Ohlschlager	Chesapeake Bay Governor's School	Round 3 Environmental & Earth Science E (ENV-E)	11:20
Saravanan Barathi-The Effect of Hydrocolloid Edible Coatings on Ripening of Bananas	Barathi	Saravanan	Mills E Godwin High School	Round 3 Environmental & Earth Science E (ENV-E)	11:40
Lunch Break/Zoom Restart					12:00
Siminiceanu Eva The Effect of Decreased Environmental pH on the Rate of Clam Filtration	Eva	Siminiceanu	Collegiate	Round 3 Environmental & Earth Science E (ENV-E)	12:30
Weston Smith The Influence of UV-A & Infrared Exposure on The Reproductive Capabilities of The Cyanobacteria of Southwest Virginia	Weston	Smith	Southwest Virginia Governor's School	Round 3 Environmental & Earth Science E (ENV-E)	12:50
ENV E Judges meet after the last presentation to determine places					1:10
ENV Head Judges meet to determine top ENV paper					2:30
Special Judges meet at 4 PM					4:00

ENV - Environmental and Earth Science -F

Presentation Time	First Name	Last Name	School	Category and Section	Presentation Time
Ochoa William, Using The Most Common Food Waste In America To Produce biogas	William	Ochoa	Chesapeake Bay Governor's School	Round 3 Environmental Science F (ENV-F)	10:00
Oluwaji Olawande Filtering Efficiency of Daphnia magna in Response to Low and High Anabaena Concentrations	Olawande	Oluwaji	Central Virginia Governor's School for Science and Technology	Round 3 Environmental Science F (ENV-F)	10:20
Parashar Anika The Effect of Different Substrates on the Efficiency of a Waste-Based Microbial Fuel Cell	Anika	Parashar	Individual	Round 3 Environmental Science F (ENV-F)	10:40
Phillips Charlotte, Investigating Degradation of Polyhydroxyalkanoate Straws in Saltwater Environments with Varying Temperatures, and in Presence of Turbo marmoratus and Lysmata wurdemanni	Charlotte	Phillips	Southwest Virginia Governor's School	Round 3 Environmental Science F (ENV-F)	11:00
Saidou Sakeena A Call to Action! Changes in Glycine max Photosynthesis Rates According to UV-B Intensities	Sakeena	Saidou	Central Virginia Governor's School for Science and Technology	Round 3 Environmental Science F (ENV-F)	11:20
Shrestha Arnav, The Effect of Algae Species Simulated Growth on Carbon Dioxide Reduction Efficiency	Arnav	Shrestha	Mills E Godwin High School	Round 3 Environmental Science F (ENV-F)	11:40
Lunch Break/Zoom Restart					12:00
South Caroline Effect of Digestive Enzymes on Cellulose Microplastics	Caroline	South	Individual	Round 3 Environmental Science F (ENV-F)	12:30
Samantha Winter The Effect of Rain on Stream pH	Samantha	Winter	Mills E Godwin High School	Round 3 Environmental Science F (ENV-F)	12:50
ENV F Judges meet after the last presentation to determine places					1:10
ENV Head Judges meet to determine the best ENV paper					2:30
Special Judges meet at 4 PM					4:00

MTM - Mathematics: Theoretical and Modeling

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Bandla Shriya Using Modeling Techniques to Predict the Likelihood of Heart Disease	Shriya	Bandla	Mills E Godwin High School	Round 3 Mathematics: Theoretical & Modeling (MTM)	10:00
Guo Angelina A Highly Accurate Detection of Glaucoma with Neural Networks - A Case Study for Early Detection	Angelina	Guo	Central Virginia Governor's School for Science and Technology	Round 3 Mathematics: Theoretical & Modeling (MTM)	10:20
Kumar Devesh An Ensemble Approach for Improving Model-Based Reinforcement Learning in Robotic Control	Devesh	Kumar	Individual	Round 3 Mathematics: Theoretical & Modeling (MTM)	10:40
Canon Robins Sports Analytics: Using Multiple Regression to Predict the Outcomes of NBA Games	Canon	Robins	Mathematics and Science Academy at Ocean Lakes High School	Round 3 Mathematics: Theoretical & Modeling (MTM)	11:00
Tadinada Abhinav AI-Powered Renewable Energy Forecasting	Abhinav	Tadinada	Mills E Godwin High School	Round 3 Mathematics: Theoretical & Modeling (MTM)	11:20
MTM Judges meet after the last presentation to determine places					11:40
Lunch Break/Zoom Restart					12:00
Special Judges meet at 4 PM					4:00

MDH - Medicine and Health - A

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation time
Abuan Jullian The Effect of Artificial Axillary Hair Length on Transepidermal Water Loss on Agar	Jullian	Abuan					Mills E Godwin High School	Round 3 Medicine & Health A (MDH-A)	10:00
Ambati Vidya Recasting an anti-psychotic as a prevention for multiple arthritides: Discovery of a novel receptor and mechanism of action	Vidya	Ambati					Individual	Round 3 Medicine & Health A (MDH-A)	10:20
Baccouche Aisha, Bilal Maryam, Lahbabi Soukayna The Effect of Phytotherapies on Hyperglycemic Induced C. elegans	Aisha	Baccouche	Soukayna	Lahbabi	Maryam	Bilal	Governor's School @ Innovation Park	Round 3 Medicine & Health A (MDH-A)	10:40
Chandran Ria The Effect of Pharmacodynamic Constituents on KRAS Protein of Metastatic Pancreatic Cancer	Ria	Chandran					Mills E Godwin High School	Round 3 Medicine & Health A (MDH-A)	11:00
Dalton Laura The Correlation Between Surface Temperature and Heart Disease Incidents within Ethnic Groups	Laura	Dalton					Central Virginia Governor's School for Science and Technology	Round 3 Medicine & Health A (MDH-A)	11:20
Datta Tvisha, Datta Mahika Optimizing Melatonin-Based Interventions through Aromatherapy with Herbal Essential Oils for Circadian Rhythm Regulation and Thalamus Function Activity	Tvisha	Datta	Mahika	Datta			Governor's School @ Innovation Park	Round 3 Medicine & Health A (MDH-A)	11:40
Lunch Break/Zoom Restart									12:00
BSEPV2: Designing A Novel Protein with enhanced ATP Binding Capabilities Utilizing AI-Assisted Predictions of Molecular Evolution for Effective Treatment of Progressive Familial Intrahepatic Cholestasis (PFIC)	Khartik	Uppalapati	Viraj	Kamath			Oakton High School	Round 3 Medicine & Health A (MDH-A)	12:30
Blair Aliyah The Effect of the COVID-19 pandemic on OCD related cleaning habits	Aliyah	Blair					Central Virginia Governor's School for Science and Technology	Round 3 Medicine & Health A (MDH-A)	12:50

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation time
Chang Taylor The Effects of Daily Stretching	Taylor	Chang					Central Virginia Governor's School for Science and Technology	Round 3 Medicine & Health A (MDH-A)	1:10
MDH A Judges meet after the last presentation to determine places									1:30
MDH Head Judges meet to determine the top MDH paper									2:00
Special Judges meet at 4 PM									4:00

MDH - Medicine and Health - B

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Effects of Sanitization and Desk Setup on Bacteria Concentration	Nisah	Allauddin	Collegiate	Round 3 Medicine & Health B (MDH-B)	10:00
Ganti Tanvi The Effect of Organophosphate Insecticides on the Growth of Heat-Stressed Planaria	Tanvi	Ganti	Mills E Godwin High School	Round 3 Medicine & Health B (MDH-B)	10:20
Garrison Meg The Effect of Artistic Movements on the Symptoms of Parkinson's Disease	Meg	Garrison	Central Virginia Governor's School for Science and Technology	Round 3 Medicine & Health B (MDH-B)	10:40
Hewitt Ashley Studying the Similarities of Lucidity in Alzheimer's Disease and Lucid Dreaming with Galantamine	Ashley	Hewitt	Central Virginia Governor's School for Science and Technology	Round 3 Medicine & Health B (MDH-B)	11:00
Huizar Evan Impact of SCP2 Deficiency on Hepatic Metabolic Profiling in a Murine Model of MAFLD	Evan	Huizar	Mills E Godwin High School	Round 3 Medicine & Health B (MDH-B)	11:20
Diya Johar The Effect of Antibacterial Hand Soap on the Amount of "Bacteria" removed	Diya	Johar	Mills E Godwin High School	Round 3 Medicine & Health B (MDH-B)	11:40

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Lunch Break/Zoom Restart					12:00
Hiner Reilly The Multigenerational Effects of Propylparaben Exposure on <i>Drosophila melanogaster</i> Reproduction	Reilly	Hiner	Central Virginia Governor's School for Science and Technology	Round 3 Medicine & Health B (MDH-B)	12:30
Hughes Holden The Effect of Fibromyalgia Syndrome on Anxiety and Depression In Women	Holden	Hughes	Central Virginia Governor's School for Science and Technology	Round 3 Medicine & Health B (MDH-B)	12:50
MDH B Judges meet after the last presentation to determine places					1:10
MDH Head Judges meet to determine top MDH paper					2:00
Special Judges meet at 4 PM					4:00

MDH - Medicine and Health - C

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Hunter Kaitlyn Comparing Manual Therapy and Dry Needling on the Rehabilitation of Sports Related Achilles Injuries	Kaitlyn	Hunter	Central Virginia Governor's School for Science and Technology	Round 3 Medicine & Health C (MDH-C)	10:00
Iyer Samyukta Assessing Inflammatory Similarities: Mice vs. Human Renal Failure Models	Samyukta	Iyer	Mills E Godwin High School	Round 3 Medicine & Health C (MDH-C)	10:20
Kumar Priya The Effect of different concentrations of liquid ashwagandha (<i>Withania somnifera</i>) on the heart rate of the <i>Daphnia magna</i>	Priya	Kumar	Individual	Round 3 Medicine & Health C (MDH-C)	10:40
Lach-Hab Nadia The Effect of the Concentration of Polyethylene Glycol on the Zone of Inhibition of <i>Lactobacillus acidophilus</i>	Nadia	Lach-Hab	Individual	Round 3 Medicine & Health C (MDH-C)	11:00

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Layne Ashley The Effects of a Specific Rest Interval on Different Levels of Physical Exertion, and How the Interval Affects Bat Speed	Ashley	Layne	Southwest Virginia Governor's School	Round 3 Medicine & Health C (MDH-C)	11:20
Lee Minhyung The Causes of Spontaneous Firing of Cardiac Muscle and Effects of Ion Concentration	Minhyung	Lee	Blacksburg High School	Round 3 Medicine & Health C (MDH-C)	11:40
Lunch Break/Zoom Restart					12:00
Li Jerry The Evaluation of Anti-cancer Activity of Over-the-Counter Medication	Jerry	Li	Mills E Godwin High School	Round 3 Medicine & Health C (MDH-C)	12:30
Laneve Jake The Effect of Sports on a Human's Cardiovascular Health	Jake	Laneve	Central Virginia Governor's School for Science and Technology	Round 3 Medicine & Health C (MDH-C)	12:50
MDH C Judges meet after the last presentation to determine places					1:10
MDH Head Judges meet to determine the top MDH paper					2:00
Special Judges meet at 4 PM					4:00

MDH - Medicine and Health - D

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Mishra Aarya ,The Effect of Artificial Sweeteners on Insulin Sensitivity	Aarya	Mishra	Mills E Godwin High School	Round 3 Medicine & Health D (MDH-D)	10:00
Patel Anchal The Effect of Applying Neosporin vs. Turmeric to Bisected Planaria on the Number of Fully Regenerated Planaria, Over Time	Anchal	Patel	Clover Hill High School	Round 3 Medicine & Health D (MDH-D)	10:20

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Shah Kaavya-The Prevalence of Thyroid Disease in Ultrasound Screenings Across Various Regions in the United States	Kaavya	Shah	Mills E Godwin High School	Round 3 Medicine & Health D (MDH-D)	10:40
Sureshkumar Ashna The Effect of Bronchial Resistance on the Forced Expiratory Volume (FEV1)	Ashna	Sureshkumar	Mills E Godwin High School	Round 3 Medicine & Health D (MDH-D)	11:00
Szabo Erik The Effect of the Food Coloring Tartrazine (FD&C Yellow #5) Added to a Fruit Fly Media Fed to the Drosophila (Fruit Fly) on Response to Light	Erik	Szabo	Clover Hill High School	Round 3 Medicine & Health D (MDH-D)	11:20
Milam Berkley The Effects of Energy Drink Components on the Heart Rate of Drosophila melanogaster	Berkley	Milam	Central Virginia Governor's School for Science and Technology	Round 3 Medicine & Health D (MDH-D)	11:40
Lunch Break/Zoom Restart					12:00
Zasler Maytal Figure Skating Training and Balance: A Quantitative and Comparative Analysis	Maytal	Zasler	Collegiate	Round 3 Medicine & Health D (MDH-D)	12:30
MDH D Judges meet after the last presentation to determine places					12:50
MDH Head Judges meet to determine top MDH paper					2:00
Special Judges meet at 4 PM					4:00

MCB - Microbiology and Cell Biology - A

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Hengst Sadie The Effect of Different Natural Antibacterial Agents on Escherichia coli	Sadie	Hengst					Individual	Round 3 Microbiology & Cell Biology A (MCB-A)	10:00
Bell Megan The Effect of Temperature on Dye Dispersion in Agar Platess	Megan	Bell					Central Virginia Governor's School for Science and Technology	Round 3 Microbiology & Cell Biology A (MCB-A)	10:20
Carter Anna Application of CRISPR Gene Editing in a Classroom Setting	Anna	Carter					Central Virginia Governor's School for Science and Technology	Round 3 Microbiology & Cell Biology A (MCB-A)	10:40
Goff Ruby, Cytotoxic Effect of Varying Doses of Allura Red AC, Brilliant Blue FCF, and Sunset Yellow FCF on Allium Cepa L.	Ruby	Goff					Collegiate	Round 3 Microbiology & Cell Biology A (MCB-A)	11:00
Guo Henry The Effect of Divalent Ions on the Viability of E. coli	Henry	Guo					Mills E Godwin High School	Round 3 Microbiology & Cell Biology A (MCB-A)	11:20
Hanke Helen - The Effect of Different Types of Oral Care Rinses on the Growth of Staphylococcus epidermidis	Helen	Hanke					Individual	Round 3 Microbiology & Cell Biology A (MCB-A)	11:40
Lunch Break/Zoom Restart									12:00
Hassen Nadia, The Effects of Natural Ingredients Found Commonly in Natural Toothpaste on the Growth of Corynebacterium	Nadia	Hassen					Washington Liberty High School	Round 3 Microbiology & Cell Biology A (MCB-A)	12:30
Normington Beckett The Effect of Different Topical Anti-Acne Treatments on the Zones of Inhibition of Staphylococcus epidermidis	Beckett	Normington					Individual	Round 3 Microbiology & Cell Biology A (MCB-A)	12:50

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Dylan Borek, Josh Rizer, Izidor Yatsevich, Effects of Ocean Acidification and UV Radiation on Spirulina Major	Josh	Rizer	Dylan	Borek	Izidor	Yatsevich	Governor's School @ Innovation Park	Round 3 Microbiology & Cell Biology A (MCB-A)	1:10
Fontana Ava Gray, The Effects of Different Brands of Sunscreen on Lytechinus variegatus Fertilization	Ava Gray	Fontana					Central Virginia Governor's School for Science and Technology	Round 3 Microbiology & Cell Biology A (MCB-A)	1:30
MCB A Judges meet after the last presentation to determine places									1:50
MCB Head Judges meet to determine top MCB paper									2:45
Special Judges meet at 4 PM									4:00

MCB - Microbiology and Cell Biology - B

Project Title	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Beaumont Nicola, 'The Use of Chlorella as a Coagulant/Flocculant to Remove Polyethylene Microplastics from Wastewater	Nicola	Beaumont			Individual	Round 3 Microbiology & Cell Biology B (MCB-B)	10:00
Jain Saanvi, The Effect of Antibacterial Properties of Natural Substances on K12 Escherichia coli	Saanvi	Jain			Mills E Godwin High School	Round 3 Microbiology & Cell Biology B (MCB-B)	10:20
Joh Lydia The Effect of Concentration of Sugar in a Sugar-Water Solution in a Liquid Medium on the Resultant Optical Density, After Inoculating the Medium with E. coli	Lydia	Joh			Clover Hill High School	Round 3 Microbiology & Cell Biology B (MCB-B)	10:40
Kaur Bhoomika Investigating the Therapeutic Potential of Natural Products on Advanced Glycation End Product (AGE) Formation and Function in MyC-CaP Prostate Cancer Cells	Bhoomika	Kaur			Mills E Godwin High School	Round 3 Microbiology & Cell Biology B (MCB-B)	11:00

Project Title	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Krzyzanowski Emma Bacteria's Antibiotic Resistance to Tetracycline	Emma	Krzyzanowski			Hampton Roads Academy	Round 3 Microbiology & Cell Biology B (MCB-B)	11:20
Kumar Deepanshi Mitigating the Spread of Cryptococcus Neoformans Infections: The Effect of Green Tea Consumption on Paramecium Aurelia Feeding Rate	Deepanshi	Kumar			Individual	Round 3 Microbiology & Cell Biology B (MCB-B)	11:40
Lunch Break/Zoom Restart							12:00
Labert Reagan, Niknezhad Iana Development of Novel RNA Therapeutics for Female Infertility	Reagan	Labert	Iana	Niknezhad	Mathematics and Science Academy at Ocean Lakes High School	Round 3 Microbiology & Cell Biology B (MCB-B)	12:30
Levorson Madeline Discovery of Medically Important Lytic Bacteriophage in the Environment	Madeline	Levorson			Thomas Jefferson High School for Science and Technology	Round 3 Microbiology & Cell Biology B (MCB-B)	12:50
Madison Kaitlin The Effect of Conjugation Time on Area of Bacteria Growth	Kaitlin	Madison			Individual	Round 3 Microbiology & Cell Biology B (MCB-B)	1:10
Neidert Julia The Effect of Amount of Time Exposed to Light on the Light Output of Bioluminescent Photosynthetic Dinoflagellates	Julia	Neidert			Clover Hill High School	Round 3 Microbiology & Cell Biology B (MCB-B)	1:30
MCB B Judges meet after the last presentation to determine places							1:50
MCB Head Judges meet to determine the top MCB paper							2:45
Special Judges meet at 4 PM							4:00

MCB - Microbiology and Cell Biology - C

Project Title	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Zhang Alice-The Deficiency of Acid Ceramidase Promotes Intracellular Nanovesicle Biogenesis Contributing to Aortic Stiffness	Alice	Zhang			Mills E Godwin High School	Round 3 Microbiology & Cell Biology C (MCB-C)	10:00
Team: Iliassov Sofiya, Ferdinando Heaven, The Effects of Sine versus Sawtooth Ultrasonic Sound Waveform Administration on Necrosis in Escherichia coli K-12 and Lactuca sativa var. capitata	Sofiya	Iliassov	Heaven	Ferdinando	Academies of Loudoun	Round 3 Microbiology & Cell Biology C (MCB-C)	10:20
Nguyen Ngo Tan An-The Effect of Obstacles on Slime Mold Navigation Abilities	Ngo Tan An	Nguyen			Mills E Godwin High School	Round 3 Microbiology & Cell Biology C (MCB-C)	10:40
Rao Samvrit In-vitro aided computational approach to identify preclinical drug targets to treat Glioblastoma Multiforme (GBM)	Samvrit	Rao			Individual	Round 3 Microbiology & Cell Biology C (MCB-C)	11:00
Ririe Ethan Investigating the Impact of Parasitic Worm Secretions on Anaphylaxis	Ethan	Ririe			Blacksburg High School	Round 3 Microbiology & Cell Biology C (MCB-C)	11:20
Roark Carsyn The Effect of Water and Temperature on the Growth of Bacteria in Powdered Infant Formula	Carsyn	Roark			Central Virginia Governor's School for Science and Technology	Round 3 Microbiology & Cell Biology C (MCB-C)	11:40
Lunch Break/Zoom Restart							12:00
Rojas-Duran, Kaylee The Effect of the Soaking Solution on the Mass of the Egg	Kaylee	Rojas-Duran			Arlington Career Center	Round 3 Microbiology & Cell Biology C (MCB-C)	12:30
Thomas Ben The Effect on the Growth of Escherichia coli Through the Presence of Streptomyces griseus	Ben	Thomas			Central Virginia Governor's School for Science and Technology	Round 3 Microbiology & Cell Biology C (MCB-C)	12:50
Tivare Kriesh Novel Approach for Modulating the Antibiotic Response and Growth Behaviors of Bacteria Using Oscillating Compound Magnetic Fields	Kriesh	Tivare			Individual	Round 3 Microbiology & Cell Biology C (MCB-C)	1:10

Project Title	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Waterworth Ann Effects of Different Brands of Sunscreen on Escherichia coli	Ann	Waterworth			Central Virginia Governor's School for Science and Technology	Round 3 Microbiology & Cell Biology C (MCB-C)	1:30
Yang Emily Type I γ Phosphatidylinositol Phosphate 5-Kinase Regulates Hippo Signaling Pathway	Emily	Yang			Mills E Godwin High School	Round 3 Microbiology & Cell Biology C (MCB-C)	1:50
MCB C Judges meet after the last presentation to determine places							2:10
MCB Head Judges meet to determine top MCB paper							2:45
Special Judges meet at 4 PM							4:00

PHY - Physics and Astronomy - A

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Corazzini Kate The Effect of Different Types of Soccer Ball Casings on Force of Impact	Kate	Corazzini	Clover Hill High School	Round 3 Physics & Astronomy A (PHY-A)	10:00
Covington Alexis Effectiveness of the Radial Velocity Method Based on Changing Velocity Utilizing the Doppler Effect	Alexis	Covington	Collegiate	Round 3 Physics & Astronomy A (PHY-A)	10:20
Ekiert Allison The Effect of Various Types of Goggle Straps on the Elasticity of the Straps	Allison	Ekiert	Clover Hill High School	Round 3 Physics & Astronomy A (PHY-A)	10:40
Ellenberger Carson The Effect of Counterweight and Arm Length on the Height and Distance a Trebuchet Projectile Travels	Carson	Ellenberger	Clover Hill High School	Round 3 Physics & Astronomy A (PHY-A)	11:00
Laub, Allyson A Comparison in the Quality of Cane and Synthetic Oboe Reeds	Ally	Laub	Central Virginia Governor's School for Science and Technology	Round 3 Physics & Astronomy A (PHY-A)	11:20

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Leighton Declan The Effect of Voltage and Nozzle Size on the Force Generated by Radial Magnetohydrodynamic Drive	Declan	Leighton	Individual	Round 3 Physics & Astronomy A (PHY-A)	11:40
Lunch Break/Zoom Restart					12:00
Blaze Narron The Correlation between Globular Clusters and Millisecond Pulsars	Samuel	Narron	Central Virginia Governor's School for Science and Technology	Round 3 Physics & Astronomy A (PHY-A)	12:30
Jakoubek Sid Investigating the Factors Which Allow for the Stability of Planetary Orbits in Binary Star Systems Using Numerical Simulations Based on Initial Planetary Positions	Sid	Jakoubek	Blacksburg High School	Round 3 Physics & Astronomy A (PHY-A)	12:50
PHY A Judges meet after the last presentation to determine places					1:10
PHY Head Judges meet to determine top PHY paper					1:30
Special Judges meet at 4 PM					4:00

PHY - Physics and Astronomy - B

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Mukhtar Kareem The Effect Of Different Tennis Balls on Contact	Kareem	Mukhtar					Mills E Godwin High School	Round 3 Physics & Astronomy B (PHY-B)	10:00
Schmutz Ella The Effect of Lead, Polyethylene, and Water on Blocking Cobalt-60 Gamma Radiation	Ella	Schmutz					Central Virginia Governor's School for Science and Technology	Round 3 Physics & Astronomy B (PHY-B)	10:20
Spitzak Kaya The Effect of the Day On the Intensity of Transients	Kaya	Spitzak					Arlington Career Center	Round 3 Physics & Astronomy B (PHY-B)	10:40

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Styles Samantha The Effect of Painting Various Types of Surfaces with the Same Acrylic Paint on the Degree of Fading Over Time, Measured by RGB Difference Over Time	Samantha	Styles					Clover Hill High School	Round 3 Physics & Astronomy B (PHY-B)	11:00
Winters Lauren The Effect of Using a Colored Pencil on Various Types of Art Media on the Brightness or Dullness of Color Exhibited	Lauren	Winters					Clover Hill High School	Round 3 Physics & Astronomy B (PHY-B)	11:20
Zakriya Amna The Effect of Solar Energetic Particle Events on the Earth's Geomagnetic Field	Amna	Zakriya					Mountain View High School	Round 3 Physics & Astronomy B (PHY-B)	11:40
Lunch Break/Zoom Restart									12:00
Zhang Minghui, Lupariello Maxim, To Louis Electro-Stopping Power	Minghui	Zhang	Louis	To	Maxim	Lupariello	Governor's School @ Innovation Park	Round 3 Physics & Astronomy B (PHY-B)	12:30
PHY B Judges meet after last presentation to determine places									12:50
PHY Head Judges meet to determine topPHY paper									1:30
Special Judges meet at 4 PM									4:00

PSY - Psychology - A

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Aboagye Nyomi The Effect of Fear on Heart Rate	Nyomi	Aboagye	Mills E Godwin High School	Round 3 Psychology A (PSY-A)	10:00
Burgess Lizzy The Correlation Between Anxiety and Friendship Quality	Lizzy	Burgess	Central Virginia Governor's School for Science and Technology	Round 3 Psychology A (PSY-A)	10:20

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Cantrell Josiah, The Effect of Academic Performance on Symptoms of Generalized Anxiety Disorder	Josiah	Cantrell	Central Virginia Governor's School for Science and Technology	Round 3 Psychology A (PSY-A)	10:40
Debnath Tanusiya The Effect of Psychotherapy on Opioid Addiction	Tanusiya	Debnath	Mills E Godwin High School	Round 3 Psychology A (PSY-A)	11:00
Glover Sydney The Relationship Between Biological Sex and Short-term memory	Sydney	Glover	Central Virginia Governor's School for Science and Technology	Round 3 Psychology A (PSY-A)	11:20
Hines Emily The Effect of Hair Color on Human Perception	Emily	Hines	Central Virginia Governor's School for Science and Technology	Round 3 Psychology A (PSY-A)	11:40
Lunch Break/Zoom Restart					12:00
Adamczyk Katie The Correlation Between Houseplants and Motivation	Katie	Adamczyk	Central Virginia Governor's School for Science and Technology	Round 3 Psychology A (PSY-A)	12:30
Emanuel Emily The Relationship Between Musical Theatre Involvement and Self-esteem in Highschoolers	Emily	Emanuel	Central Virginia Governor's School for Science and Technology	Round 3 Psychology A (PSY-A)	12:50
Heideman Annalyse The Effect of Social and Extracurricular Activities on Students need for Academic Dishonesty	Annalyse	Heideman	Central Virginia Governor's School for Science and Technology	Round 3 Psychology A (PSY-A)	1:10
PSY A Judges meet after the last presentation to determine places					1:30
PSY Head Judges meet to determine top PSY paper					2:30
Special Judges meet at 4 PM					4:00

PSY - Psychology - B

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Kintz, Arwen The Effect of Positive Versus Negative Portrayals of Sharks on People's Dispositions Towards Them.	Arwen	Kintz	Chesapeake Bay Governor's School	Round 3 Psychology B (PSY-B)	10:00
Lloyd Evangeline The Relationships Between Religious Affiliations and Perceptions of Multiple Forms of Intelligence	Evangeline	Lloyd	Central Virginia Governor's School for Science and Technology	Round 3 Psychology B (PSY-B)	10:20
Long Isabella The Effect of Studying and Working in the Legal Field on Emotional Well-Being	Isabella	Long	Central Virginia Governor's School for Science and Technology	Round 3 Psychology B (PSY-B)	10:40
Lucas Addison The Impact of an Athlete's Performance in Competition On Their Perception of How They Will Perform in Future Competition	Addison	Lucas	Collegiate	Round 3 Psychology B (PSY-B)	11:00
Mattox Conner The effects of the COVID-19 pandemic on early childhood social development	Conner	Mattox	Central Virginia Governor's School for Science and Technology	Round 3 Psychology B (PSY-B)	11:20
May Charles Relationship Between Participation in Extracurricular Activities and Stress Levels	Charles	May	Central Virginia Governor's School for Science and Technology	Round 3 Psychology B (PSY-B)	11:40
Lunch Break/Zoom Restart					12:00
Morris Molly The Correlation Between Color Cues and Human Perception of Flavor	Molly	Morris	Southwest Virginia Governor's School	Round 3 Psychology B (PSY-B)	12:30
Jones Taylor The Effect of Social Influence on Adolescent Decision Making	Taylor	Jones	Central Virginia Governor's School for Science and Technology	Round 3 Psychology B (PSY-B)	12:50
PSY B Judges meet after the last presentation to determine places					1:10
PSY Head Judges meet at 2:30 to determine top PSY paper					2:30
Special Judges meet at 4 PM					4:00

PSY - Psychology - C

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Prasanna Kabilan, MasterMind: A Novel Multi-Output Model Approach for Detecting Mental Illnesses through Natural Language Processing	Kabilan	Prasanna	Lightridge High School	Round 3 Psychology C (PSY-C)	10:00
Rai Bisan, Online "Group" Effect on Addiction Recovery	Bisan	Rai	Southwest Virginia Governor's School	Round 3 Psychology C (PSY-C)	10:20
Stone Emma The Correlation Between Personality Type and Academic Achievement	Emma	Stone	Central Virginia Governor's School for Science and Technology	Round 3 Psychology C (PSY-C)	10:40
Warner Riley The Effect of Social Media on Eating Disorder Prevalence in College Students	Riley	Warner	Central Virginia Governor's School for Science and Technology	Round 3 Psychology C (PSY-C)	11:00
Woody Lainey The Effect of Music on Testing Anxiety	Lainey	Woody	Central Virginia Governor's School for Science and Technology	Round 3 Psychology C (PSY-C)	11:20
Yuan Annie Emotional Perception of Vaping Affects Vascular Health of Electronic Cigarette Users	Annie	Yuan	Mills E Godwin High School	Round 3 Psychology C (PSY-C)	11:40
Lunch Break/Zoom Restart					12:00
Smith Scarlett, The correlation between maternal cosmetic use and their teenage child's confidence.	Scarlett	Smith	Central Virginia Governor's School for Science and Technology	Round 3 Psychology C (PSY-C)	12:30
PSY C Judges meet after last presentation to determine places					12:50
PSY Head Judges meet to determine top paper					2:30
Special Judges meet at 4PM					4:00

SAI - Statistical Analysis and Inferences

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Quinones-Partain Griffin Correlation Between a Country's GDP and Secondary Aluminum Production	Griffin	Quinones-Partain	Central Virginia Governor's School for Science and Technology	Round 3 Statistical Analysis & Inferences (SAI)	10:00
Sittason Parker Comparing the Frequency of Knee Injuries in American Football on Artificial Turf Vs Natural Grass	Parker	Sittason	Central Virginia Governor's School for Science and Technology	Round 3 Statistical Analysis & Inferences (SAI)	10:20
Brame Lily An Analysis of Gender Equality and National Success: Are You Happy, Healthy, and Wealthy?	Lily	Brame	Chesapeake Bay Governor's School	Round 3 Statistical Analysis & Inferences (SAI)	10:40
Burks Jenna Predicting Familial Relationships Using Fingerprints	Jenna	Burks	Central Virginia Governor's School for Science and Technology	Round 3 Statistical Analysis & Inferences (SAI)	11:00
Chen Ryan The Effect of Different Brands of Competitive Swimwear on the Amount of Water Absorbed	Ryan	Chen	Clover Hill High School	Round 3 Statistical Analysis & Inferences (SAI)	11:20
Hardin Isaac The Effect of Fine Arts Involvement on Academic Performance	Isaac	Hardin	Central Virginia Governor's School for Science and Technology	Round 3 Statistical Analysis & Inferences (SAI)	11:40
Lunch Break/Zoom Restart					12:00
Herrick Jonathan Relationship Between Economic Inflation and Stock Performance	Jonathan	Herrick	Central Virginia Governor's School for Science and Technology	Round 3 Statistical Analysis & Inferences (SAI)	12:30
The Impact Comparison of Artificial Intelligence on Different Occupations in the Labor Market	Isabella	Liu	Blacksburg High School	Round 3 Statistical Analysis & Inferences (SAI)	12:50
Morishetty Sriyutha, An Empirical Analysis of the Existence of Greenwashing in the Wider US Market: A Test on the Efficacy of ESG Scores	Sriyutha	Morishetty	Individual	Round 3 Statistical Analysis & Inferences (SAI)	1:10

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Somala Abhijit, Predictive Wildfire Modeling in California: Leveraging Machine Learning for Effective Resource Allocation and Prevention Strategies	Abhijit	Somala	Individual	Round 3 Statistical Analysis & Inferences (SAI)	1:30
Walker Tripp How Has 1930's Redlining Affected the Current Equity of Walkability in American Cities?	Tripp	Walker	Chesapeake Bay Governor's School	Round 3 Statistical Analysis & Inferences (SAI)	1:50
Wang Lishu The Economic Impact of California's Recent Out-Migration on its Neighboring States	Lishu	Wang	Blacksburg High School	Round 3 Statistical Analysis & Inferences (SAI)	2:10
SAI Judges meet after the last presentation to determine places					2:30
Special Judges meet at 4 PM					4:00

ZOO - Zoology - A

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Beeravalli Neha The Effect of Tempo Speed Vibrations on Daphnia Magna Heart Rate	Neha	Beeravalli	Mills E Godwin High School	Round 3 Zoology A (ZOO-A)	10:00
Branch Lily The Effect of Melatonin on Regeneration of Dugesia dorotocephala	Lily	Branch	Central Virginia Governor's School for Science and Technology	Round 3 Zoology A (ZOO-A)	10:20
Appleton Peter The Effect of Various Household Chemicals, When Used as a Deterrent, on Food-Gathering Speed in Pogonomyrmex occidentalis	Peter	Appleton	Clover Hill High School	Round 3 Zoology A (ZOO-A)	10:40
Atturu Ishaan - The Effect of Solvents on Oil Removal from a Feather	Ishaan	Atturu	Mills E Godwin High School	Round 3 Zoology A (ZOO-A)	11:00
Badhrayan Aditya The Effect of Intermittent Metabolic Switching on a-synuclei aggregation in Parkinson's Disease via Drosophila Melanogaster.	Aditya	Badhrayan	Individual	Round 3 Zoology A (ZOO-A)	11:20
Chatterjee Rimil The Effect of Various Amounts of an Ascorbic Acid Solution on the Difference in Length of Dugesia dorotocephala	Rimil	Chatterjee	Mills E Godwin High School	Round 3 Zoology A (ZOO-A)	11:40
Lunch Break/Zoom Restart					12:00
Croxford Bryce The Effect of Food Dyes on Planarian Growth	Bryce	Croxford	Mills E Godwin High School	Round 3 Zoology A (ZOO-A)	12:30
Edassery Kristine The Effect of Household Beauty Products on Daphnia magna	Kristine	Edassery	Mills E Godwin High School	Round 3 Zoology A (ZOO-A)	12:50

Project Title	First Name	Last Name	School	Category and Section	Presentation Time
Harpole Ailin, Assessing Reproductive Substrate Availability and Timing for <i>Chrysaora chesapeakei</i>	Ailin	Harpole	Chesapeake Bay Governor's School	Round 3 Zoology A (ZOO-A)	1:10
Ayan Jethava The Effect of Indian Medicinal Spices on Planarian Regeneration	Ayan	Jethava	Mills E Godwin High School	Round 3 Zoology A (ZOO-A)	1:30
Kamujula Anika The Effect of Phenolic Acids on the Regeneration of <i>Dugesia dorotocephala</i> Cells	Anika	Kamujula	Mills E Godwin High School	Round 3 Zoology A (ZOO-A)	1:50
Easter Ethan Determining the Effects of Four Natural Items on Oranges to Repel <i>Drosophila melanogaster</i>	Ethan	Easter	Southwest Virginia Governor's School	Round 3 Zoology A (ZOO-A)	2:10
ZOO A Judges meet after last presentation to determine places					2:30
ZOO Head Judges meet to determine top ZOO Paper					3:00
Special Judges meet					4:00

ZOO - Zoology - B

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Lateef Rania, Rhythms and Blues: Examining Potential Health Hazards of Blue Light-induced Circadian Disruption in <i>Drosophila melanogaster</i>	Rania	Lateef					Governor's School @ Innovation Park	Round 3 Zoology B (ZOO-B)	10
Lee James The Effect of Over-the-counter Drugs on Earthworm Locomotion	James	Lee					Mills E Godwin High School	Round 3 Zoology B (ZOO-B)	10:20
Mohammed Ayaan The Effect of Electricity on the Regeneration of Planaria	Ayaan	Mohammed					Mills E Godwin High School	Round 3 Zoology B (ZOO-B)	10:40

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
Molligoda Heshan, The Effect of Antibacterial Ointments on Planarian Regeneration	Heshan	Molligoda					Mills E Godwin High School	Round 3 Zoology B (ZOO-B)	11
Morton Grace The Effect of Feeding Plastic Polystyrene to Mealworms Compared to Baby Carrots on Survival Rate Over Time	Grace	Morton					Clover Hill High School	Round 3 Zoology B (ZOO-B)	11:20
Phillips Kailin The Effects of Age on Milk Fat Percentage in Holstein Cows	Kailin	Phillips					Southwest Virginia Governor's School	Round 3 Zoology B (ZOO-B)	11:40
Lunch Break/Zoom Restart									12:00
Poovathukaran Noah The Effect of Adaptogenic Herbs on Planaria Regeneration	Noah	Poovathukaran					Mills E Godwin High School	Round 3 Zoology B (ZOO-B)	12:30
Smith Brett A Phylogenetic Analysis of the Origin of Neuronal Structures in Basal Holozoa	Brett	Smith					Roanoke Valley Governor's School	Round 3 Zoology B (ZOO-B)	12:50
Thompson Nicholas Rationality of Ants	Nicholas	Thompson					Southwest Virginia Governor's School	Round 3 Zoology B (ZOO-B)	1:10
Vijay Dhruv The Effect of Different Temperatures with Vitamin A on Planaria Regeneration	Dhruv	Vijay					Mills E Godwin High School	Round 3 Zoology B (ZOO-B)	1:30
Saleha Manha, Kim Aerin, Johnson Alyssa The Physiological Effects of Cumin as a Homeopathic Remedy for Drosophila Melanogaster	Manha	Saleha	Aerin	Kim	Alyssa	Johnson	Governor's School @ Innovation Park	Round 3 Zoology B (ZOO-B)	1:50
ZOO B judges Meet After Last Presentation to determine places									2:10

Project Title	First Name	Last Name	First Name	Last Name	First Name	Last Name	School	Category and Section	Presentation Time
ZOO Head Judges meet 2:30 PM to determine top ZOO paper									2:30
Special Judges meet at 4 PM									4:00