

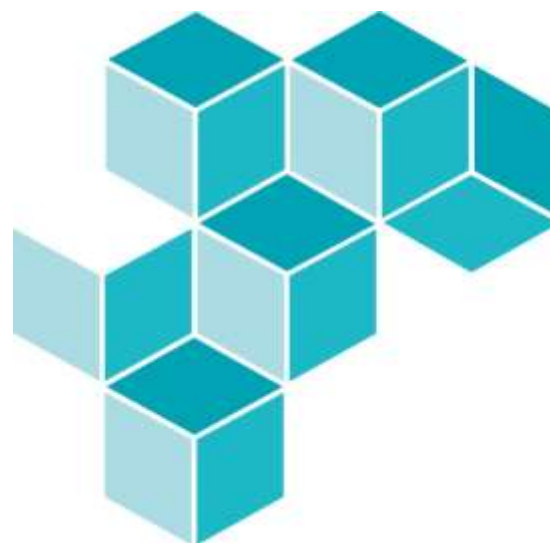
Room 112: Computer Science and Engineering

7:00	MaryKate Comerford	The Effect of Moisture Absorption on the Tensile Strength of Seat Belts
7:12	Amber Li	The Effect of Sequencing Error on Read-Length Barrier
7:24	Logan Sheppard	The Effect of 3D Printed Hand Design on Picking up Weights
7:36	Erica Eubank	The Effect of Dimples on the Aerodynamics of Model Cars
7:48	Youbin Roh	Analysis on the Accuracy of a Program that Automatically Segments Calls in a Spectrogram
8:00	Hannah Steele	The Development of an Efficient Radiation Shielding Fabric
8:12	Graham Hagwood	The Effect of Water Submersion on Compressive Strength of Concrete
8:24	Matt Fleck	The Effect of Different Metals Paired with Borated Polyethylene on the Shielding of Gamma Radiation
8:36	Joshua Franklin	The Effect of Salt Concentration on the Potential Voltage Output of PEM Fuel Cells

Room 114: Physics, Mathematics, and Psychology

7:00	Carson Wood	The Lasting Effect of Temperature Extremes on a Climbing Rope
7:12	Harrison Fields	The Investigation of Tidal Disruption in Star Cluster M92-ngc6341
7:24	Jonathan Schira	The Effectiveness of Distilled Water as a Radiation Shield Against Gamma Radiation Caused by the Source Ba-133
7:36	Noah Baumgartner	The Analysis of the Gravitational Displacement of Globular Cluster M15-ngc7078
7:48	Andrew Childers	Gravitational Tidal Forces Acting Upon Globular Cluster M2
8:00	Matthew MacCallum	Determining the Sweet Spot of a Baseball Bat
8:12	Ian Fleck	The Effect of Expired Hockey Helmets When Impact Tested Compared to Non-expired Helmets
8:24	Will Carlson	Characterizing the Adaptation of Vessel Radius to Endothelial Shear Stress in the Vasculature of the Chick Chorioallantoic Membrane
8:36	Skylar Wilhoit	The Relationship of Feeling Versus Thinking Personality Traits on Certain Fears

Central Virginia Governor's School for Science and Technology



2017 Student Research Symposium

**Wednesday, April 26th
7:00 pm**

Welcome to the CVGS Student Research Symposium! The symposium provides an opportunity for students to share the results of their individual research projects with mentors, family, friends, and the public. Students will be giving ten minute presentations about their research at the times listed below. There will be two minutes for travel time between presentations. You are invited to attend any of the presentations; the students greatly appreciate your support! We also want to extend thanks to the CVGS alumni and friends who are serving as mentors and evaluators for our students!

Room 106: Psychology

7:00	Hannah Maupin	The Relationship Between Life Stress Levels and Perceived Physical Pain of Student Athletes
7:12	Alyssa Bauer	The Effects of Music on Task Efficiency
7:24	Yoomin Hwang	The Effect of Age on the Accuracy of Crime Witness Accounts
7:36	Anna Reynolds	The Effect of Involvement in Sports and Band on Reading Comprehension and Short-term Memory
7:48	Hannah Young	How Personality Affects Stress
8:00	Brennen Powell	The Effect of Compression Sleeves on Basketball Performance
8:12	Julia Buchholz	The Effect of Media Imagery on Adolescent Girls
8:24	Sarah Richards	The Effect of Positive Verbal and Tangible Reinforcements on Children's Behavior
8:36	Sarah Jones	The Effect of Perception of Competition on Task Performance and its Relationship to Gender

Room 107: Microbiology and Chemistry

7:00	Faith Quel	The Effect of LED, Incandescent, and Fluorescent Lightbulbs on the Effectiveness of Nanoseptic Pads
7:12	Noele Gallindo	The Effect of Different Sugars on the Growth of <i>Lactococcus lactis</i> Colonies
7:24	Yana Andreikina	The Effect of Triclosan and Sodium Fluoride on <i>Streptococcus mutans</i>
7:36	Eva Pontius	The Effects of Ammonia on Electricity Production from <i>E. coli</i> Utilizing a Microbial Fuel Cell
7:48	Alison Palmer	The Effect of Red Light, Blue Light, and Green Light on <i>Propionibacterium acnes</i>
8:00	Melody Nash	The Effect of Essential Oils on Preventing Steel Corrosion in Hydrochloric Acid
8:12	Trevor Melton	The Amount of p-Nitrophenol Found in Varying Food Sources When Measured in a Spectrophotometer
8:24	Titouan Duston	Investigating Correlation of Concentrations of CaCl ₂ on Quantitative Measurements of Condensation in a Cloud Chamber
8:36	Joshua Jones	The Effect of Various Cooking Methods on the Amount of Vitamin C in Russet Potatoes

Room 109: Animal Science, Botany, and Environmental Science

7:00	Grace Chun	The Effectiveness of <i>Lemna minor</i> in the Removal of Acidic Deposition
7:12	Emma Sisk	The Effect of a Vacuum Environment on the Fecundity of <i>Hypsibus dujardini</i> of Tardigrades
7:24	Manan Shah	The Effect of Titanium Dioxide and Zinc Oxide Nanoparticles on the Cardiovascular System of <i>Daphnia magna</i> and its Offspring
7:36	Will Carrington	The Effectiveness of Silver Nanoparticle Infused Blotting Paper on Bacterial Contaminated Water
7:48	Nicole Cico	The Effect of Caffeine on the Fecundity of <i>Drosophila melanogaster</i>
8:00	Ashley Kim	The Effect of Diethyl Phthalate on the Number of Offspring of <i>Drosophila melanogaster</i>
8:12	Barrett Marshall	The Effects of Ammonium Nitrate on Daphnia Lifespan
8:24	Audrey Holzknacht	The Effects of Varying Arsenic Concentrations in Plant Tissue Culture Agar on the Growth and Development of <i>Zea mays indentata</i>
8:36	Gloria Arevalo-Escobar	The Effects of Growth Supplements on Planarian Regeneration
8:48	Hunter Diminick	The Effect of Auxin (Indole-3-Acetic Acid) on Phytoremediation by <i>Helianthus annuus</i> on Lead Contaminated Soil

Room 111: Medicine and Health

7:00	Rasheed Christian	The Effect of Lauroyl Peroxide, Salicylic Acid, and Sulfur on <i>Propionibacterium acnes</i>
7:12	Bryonna Elliott	The Effect of Over-The-Counter Drugs on the Pulse Rate of <i>Lumbriculus variegatus</i>
7:24	Tanner Gage	The Effect of Sodium Hypochlorite on the Respiration of <i>Libbellulids libellula</i>
7:36	Nate Colvin	Lifespan of <i>Drosophila melanogaster</i> When Exposed to Tetracycline and Curcumin
7:48	Jack Riffie	Using Fractal Dimension to Differentiate Between Dysplastic and Healthy Cells
8:00	Joe Du	The Effect of Tetracycline, Azithromycin, and Hypothermia on Populations of <i>Naegleria lovaniensis</i>
8:12	Bethany Holzknacht	The Effect of Pets on Stress and Blood Pressure Levels
8:24	Joseph Polk	The Effects of a High Level of Communication on the Cohesiveness of a Team
8:36	Autumn Smith	The Effect of Anticoagulants on the Reaction Time in Hindrudinea