

**2015 Blue Ridge Highlands Regional Science Fair
March 6 - 7, 2015 – Radford University**

***VIRGINIA STATE SCIENCE AND ENGINEERING FAIR
DELEGATES***

Animal Sciences (ANIM)

102

Sarah Hope Cartee

Equine Prosthetic Model

Southwest Virginia Governor's School

Sponsor: Rebecca Phillips

103

Blake Hall

Calf Starter Preference and Comparison

Home School

Sponsor: Mark McCann

Behavioral and Social Sciences (BEHA)

201

Griffin McAvoy

Objective and Subjective Comparisons of the Frequency Analyses of MP3 and Compact Disc Musical Recordings

Tazewell High School

Sponsor: Greg Deskins

202

Wesley Meredith

Preschool's Effect on Students' Educational Superiority

Southwest Virginia Governor's School

Sponsor: Greg Riffe

302

Justin Davis

Effect of Soccer Headgear on Impact Forces

Southwest Virginia Governors' School

Sponsor: Krista Stith

Biomedical and Health Sciences (BMED)

305

Alaa Ragab

Mechanism of Calcium Cardiac Transport Modulation by the Novel Drug Nitroxyl

Southwest Virginia Governors' School

Sponsor: Krista Stith

Chemistry (CHEM)

402

Samuel Christoffer Mogen

The Use of Layer-by-layer Techniques to Aid in the Protection of Antimicrobial Films

Southwest Virginia Governors' School

Sponsor: Jared Brown

403

Mark Sahyouni and Kyle Stiltner

A Comparison of Dissolution Rates in Varying Conditions of Oral Soluble Medications

Richlands High School

Sponsor: Tiffany Stillwell

Earth and Environmental Sciences (EAEV)

501

Canaan Addison and Chace Collins

*Comparison of Water Purification Methods: Ions, Chlorine, or "Old Fashioned" Boiling?
That is the Question!*

Richlands High School

Sponsor: Melissa Addison

502

Emily Llaneras

Slaying the "Destructor": The Effectiveness of Alternative Varroa Mite Treatments

Southwest Virginia Governors' School

Sponsor: Krista Stith

Materials Science (MATS)

601

Whatley Ozer

Measuring the Effects of Softening Techniques on Pointe Shoes

Southwest Virginia Governors' School

Sponsor: Sherry Pugh

Microbiology (MCRO) and Plant Sciences (PLNT)

802

Ella Reeves

Comparing a Manure-Based Fertilizer to Synthetic Fertilizer

Southwest Virginia Governors' School

Sponsor: Rebecca Phillips

Physics and Astronomy (PHYS)

901

Ashley Jordan and Austin Owen

The Correlation Between Surface Temperature and Arctic Sea Ice Thickness

Southwest Virginia Governors' School

Sponsor: Daniel Blake

902

Jade Murray

How Leadoff Stances Affect Speeds in Softball

Southwest Virginia Governors' School

Sponsor: Daniel Blake