

**32nd BLUE RIDGE HIGHLANDS REGIONAL SCIENCE FAIR
MARCH 3-4, 2023
RADFORD UNIVERSITY**

**VIRGINIA STATE SCIENCE AND ENGINEERING FAIR
DELEGATES**

- 201 Laken Barnette
Evaluating Comfort Levels in Teenage Patients When Talking to a Physician
Southwest Virginia Governor's School
Sponsor: Greg Riffe
- 203 Caoilainn Christensen
Comparative Content Engagement Analysis of Credentialed and Non-Credentialed Nutrition Professionals on Instagram
Blacksburg High School
Sponsor: Katharine Davis
- 304 Havva Gasimova
Link Between Environment and Food Allergy
Southwest Virginia Governor's School
Sponsor: Rebecca Phillips
- 308 Andy Tawney
Repeat Lengths of RS3 Alleles Associated with the Rate of Health-Related Risky Behavior in Young Adults
Southwest Virginia Governor's School
Sponsor: Rebecca Phillips
- 401 Sriya Sridhar
Utilizing Flow Cytometry to Evaluate the Sterilization of a 96 Well Plate Pipette Tips by the Opentrons Liquid Handling Robot
Blacksburg High School
Sponsor: Katharine Davis
- 501 David Bowman
HHO Generators
Dayspring Christian Academy
Sponsor: Doug Bowman

- 502 Emma Ebel
Testing Hand Sanitizer Alcohol Levels with Gas Chromatography
Southwest Virginia Governor's School
Sponsor: Jared Brown
- 603 Andrew Wang
Effects of Transcriptional Factor WUSCHEL on the Regeneration of Arabidopsis thaliana
Blacksburg High School
Sponsor: Katharine Davis
- 803 Jesse Dulaney
Anti-Lock Brakes Applied to a Bicycle
Southwest Virginia Governor's School
Sponsor: Matt Frazier
- 1002 Davis Reitzel
Exploring Collatz Conjecture
Southwest Virginia Governor's School
Sponsor: Greg Riffe
- 1201 James Helmick
The Effect of Dimpling a Baseball Bat on Drag
Southwest Virginia Governor's School
Sponsor: Matt Frazier