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Central Virginia Regional Science Fair Announces Winners

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The 40th annual Central Virginia Regional Science Fair was held on March 4, 2017 at Central Virginia Community College. There were 66 students entered from high school students representing Amherst County, Appomattox County, Bedford County, Campbell County and the City of Lynchburg Public Schools. The fair is an affiliate of the Intel International Science and Engineering Fair. The regional fair's website is: http://www.cvgs.k12.va.us/links/regional-science-fair

Grand Award: Physical Sciences
Hannah Steele, Liberty HS/CVGS
"The Development of an Efficient Radiation Shielding Fabric"

Grand Alternate: Physical Sciences
Isaac Liu, Jefferson Forest HS/CVGS
"The Effect of Mixing Intensity on Anaerobic Digestion"

Grand Award: Biological Sciences
Joseph Du, Jefferson Forest HS/CVGS
"The Effect of Tetracycline, Azithromycin, and Hypothermia on Populations of *Naegleria lovaniensis*"

Grand Alternate Award: Biological Sciences
Emma Sisk, Brookville HS/CVGS
"The Effect of a Vacuum Environment on the Fecundity of *Hypsibus dujardini* of Tardigrades"

The grand award winners will represent Central Virginia at the Intel International Science and Engineering Fair May 14-19 hosted by Los Angeles, CA. They will be among 1800 finalists from all over the world.

Category Winners

CVGS- Central Virginia Governor's School for Science and Technology
RVGS- Roanoke Valley Governor's School

Animal Sciences

1st place Emma Sisk, Brookville HS/CVGS
2nd place Nicole Cico, Liberty HS/CVGS
3rd place Manan Shah, Heritage HS/CVGS
HM Gloria Arevalo-Escobar, Amherst HS/CVGS

Behavioral & Social Sciences:

1st place Skylar Wilhoit, Appomattox HS/CVGS
2nd place Yoomin Hwang, Jefferson Forest HS/CVGS
3rd place Kayla Vance, Altavista HS/CVGS
HM Brennen Powell, Rustburg HS/CVGS

Chemistry:

1st place Joshua Jones, Rustburg HS /CVGS
2nd place Titouan Duston, E.C Glass HS/ CVGS
3rd place Trevor Melton, Appomattox HS/CVGS
HM Melody Nash, Appomattox HS/CVGS

Computer Science:

1st place Youbin Roh, EC Glass HS/CVGS
2nd place Amber Li, Jefferson Forest HS/CVGS

Earth & Planetary Science

HM Porter Flynn, Liberty HS/CVGS

Engineering:

1st place Hannah Steele, Liberty HS/CVGS
2nd place Logan Sheppard, Jefferson Forest HS/CVGS
3rd place Benjamin Hagwood, Jefferson Forest HS/CVGS
HM Cole Bryan, Jefferson Forest HS/CVGS

Environmental Science:

1st place Isaac Liu, Jefferson Forest HS/CVGS
2nd place William Carrington, EC Glass/CVGS
3rd place Barrett Marshall, Amherst HS/CVGS
HM Grace Chun, Heritage HS/CVGS

Mathematics

1st place Jackson Riffee, EC Glass/CVGS
2nd place William Carlson, Rustburg HS/CVGS

Medicine and Health:
1st place Joseph Du, Jefferson Forest HS/CVGS
2nd place Tanner Gage, Jefferson Forest HS/CVGS
3rd place Rasheed Christian, Heritage HS/CVGS
HM Victoria Weitzman, Staunton River HS/RVGS

Microbiology:
1st place Faith Quel, Brookville HS/CVGS
2nd place Alison Palmer, Heritage HS/CVGS
3rd place Eva Pontius, EC Glass HS/CVGS
HM Noele Galindo, Jefferson Forest HS/CVGS

Physics and Astronomy:
1st place Carson Wood, EC Glass HS/CVGS
2nd place Ian Fleck, Jefferson Forest HS/CVGS
3rd place Matthew MacCallum, EC Glass HS/CVGS

Plant Sciences:
1st place Hunter Diminick, EC Glass HS/CVGS
2nd place Audrey Holzknecht, Rustburg HS /CVGS

The following winners were nominated to attend the Virginia State Science Fair to be held March 24-25 hosted by Virginia Military Institute in Lexington, VA.

William Carrington, EC Glass/CVGS
Hunter Diminick, EC Glass/CVGS
Joseph Du, Jefferson Forest HS/CVGS
Joshua Jones, Rustburg HS /CVGS
Isaac Liu, Jefferson Forest HS/CVGS
Faith Quel, Brookville HS/CVGS
Jackson Riffee, EC Glass/CVGS
Youbin Roh, EC Glass/CVGS
Logan Sheppard, Jefferson Forest HS/CVGS
Emma Sisk, Brookville HS/CVGS
Hannah Steele, Liberty HS/CVGS
Skylar Wilhoit, Appomattox HS/CVGS
Carson Wood, EC Glass/CVGS

<u>Special Awards</u>

ASCE Local Engineering Awards
1st place Josh Willoughby, Jefferson Forest HS/CVGS
2nd place Isaac Liu, Jefferson Forest HS/CVGS
3rd place Benjamin Hagwood, Jefferson Forest HS/CVGS

Naval Research Award- William Carrington, EC Glass/CVGS; Joshua Franklin, Brookville HS/CVGS, Titouan Duston, EC Glass/CVGS

NASA Award- Hannah Steele, Liberty HS/CVGS

U.S. Metric Association- Carson Wood, EC Glass/CVGS

Yale Junior Engineering Award- Hannah Steele, Liberty HS/CVGS

National Oceanic & Atmospheric Administration Award- Porter Flynn, Liberty HS/CVGS

ASM Materials Education Foundation Engineering Award- Mary Kate Comerford, Heritage HS/CVGS

APA Award- Skylar Wilhoit, Appomattox HS/CVGS

National Association of Biology Teacher Awards- Joseph Du, Jefferson Forest HS/CVGS; Tanner Gage, Jefferson Forest HS/CVGS

Intel Computer Science Award- Amber Li, Jefferson Forest HS/CVGS

Invitro Biology Award- Faith Quel, Brookville HS/CVGS

US Air Force Awards- Erica Eubank, Amherst HS/CVGS; Mary Kate Comerford, Heritage HS/CVGS;
Bryonna Elliott, EC Glass/CVGS; Melody Nash, Appomattox HS/CVGS

Stockholm Water Prize Nominations- Josh Willoughby, Jefferson Forest HS/CVGS; William Carrington, EC Glass/CVGS; Hunter Diminick, EC Glass/CVGS

Mu Alpha Theta – Mathematics Honorary- Jackson Riffee, EC Glass/CVGS

ASU Walton Sustainability Solutions Initiatives Award- Joshua Franklin, Brookville HS/CVGS and Hunter Diminick, EC Glass/CVGS

Ricoh Americas Corporation Environmental Award- Joshua Franklin, Brookville HS/CVGS

American Meteorological Society- Porter Flynn, Liberty HS/CVGS; Titouan Duston, EC Glass/CVGS

Virginia Dental Society Awards for Recognizing Science Talent
Grand Award- Logan Sheppard, Jefferson Forest HS/CVGS
Recognition Awards
Nicole Cico, Liberty HS/CVGS,
William Carrington, EC Glass/CVGS;
Hannah Steele, Liberty HS/CVGS
William Carlson, Rustburg HS/CVGS
Joseph Du, Jefferson Forest HS/CVGS

Faith Quel, Brookville HS/CVGS

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