

2019 State Math Fair Winners

Primary Division, Grades K-2

1st Place: Brigsley Wozny, "*Rainbow Ratios*," Woodland Heights Elementary School, Mooresville, NC

2nd Place: David Rose, "*Magical Math*," Poplar Springs Elementary School, King, NC

3rd Place: Taylor Finger & Madeline Gerlip, "*It's Cookie Time*," Woodland Heights Elementary School, Mooresville, NC

Honorable Mentions:

Emilia Garcia "*Math: It's Virtually Everywhere!*" West Greene Elementary School, Snow Hill, NC

Nicholas Pieroni, "*Different Numbering Systems*," Glenwood Elementary School Chapel Hill, NC

Elementary Division, Grades 3-4

1st Place: Aubrey Johnson, "*Mathnado*," Frederick Douglass Elementary School, Wilson, NC

2nd Place: Loulie Harrison & Della Ruth Koster, "*Phoney Business*," Frederick Douglass Elementary School, Wilson, NC

3rd Place: Grace Young, "*Can You be Penny Wise?*" Parkway Elementary School, Boone, NC

Honorable Mentions:

Angus Despeaux, "*Martian Math*," Cullowhee Valley School, Cullowhee, NC

Tyler Carpenter & Grady Wilson, "*How Many Nerf Bullets Fit in Our Rooms?*" Woodland Heights Elementary School, Mooresville, NC

Taytum Robbins, "*TBR Entertainment*," Mountain View Elementary School, Hickory, NC

Intermediate Division, Grades 5-6

1st Place: Cooper Beecham, "*Spotlight on Me!*" Coddle Creek Elementary School, Mooresville, NC

2nd Place: Abby Cho, "*Predicting the Ozone Layer's Future*," Immaculata Catholic School, Durham, NC

3rd Place: Ta'Mar Shrewsbury & Ragan Burge, "*DIY vs. Salon Nails*," Poplar Springs Elementary School, King, NC

Honorable Mentions:

Morgan Davis, "*Roller Coaster Math*," Greene County Intermediate School, Snow Hill, NC

Olivia Stewart, "*Math + Baking = A Recipe to Pass On!*" Cool Spring Elementary School, Cleveland, NC

Akela Taylor, "*Math Movers*," Pleasant Ridge Elementary School, Gastonia, NC

Middle School Division, Grades 7-8

1st Place: Thomas Brann, "*Measure Up!*" Hope Middle School, Greenville, NC

2nd Place: Ava Herring & Gurmehar Kaur, "*Mathematical and Origami Spirals*," McDougle Middle School, Chapel Hill, NC

3rd Place: Leah Wainwright, "*Can You Use Hand Size to Predict Height?*" Hope Middle School, Greenville, NC

Honorable Mentions:

Will Kelley & Jackson Greene, "*How Wide is That?*" South Asheboro Middle School and Faith Christian School, Asheboro, NC

Eden Ragsdale & Tulsi Asokan, "*Pythagorean Theorem Sand Demo*," McDougle Middle School, Chapel Hill, NC

Maya Vizuete, "*Multiplying Force in Hydraulic Machines*," McDougle Middle School, Chapel Hill, NC

Sydney Lin, "*Making Music With a Mobius Strip*," McDougle Middle School, Chapel Hill, NC

High School Division, Grades 9-12

1st Place: Akshar Patel, "*Ahead of the Hurricane, Part 2*," Northwest Cabarrus High School, Concord, NC

2nd Place: Nathan Brown, "*Deriving the Perimeter of Horizontally and Vertically Stretched Regular Shapes*," South Point High School, Belmont, NC

3rd Place: Valerie Kitchell, "*Mind the Efficiency Gap: Exploring Voter Waste as a Signal of Partisan Gerrymandering in North Carolina*," Watauga High School, Boone, NC

Honorable Mentions:

Shy'Mir D., "*Basketball Analytics Per in the NBA*," Stonewall Jackson Youth Development Center, Concord, NC