

Junior Division Awards
2012 WCA Science and Mathematics Fair
January 17, 2012

Behavioral Sciences

First Place

Jeremiah Cartwright Cash in color

Second Place

Sarah Williams Hand - eye coordination male vs. female

Third Place

Natalie Nyberg Self Esteem: Gender Matters

Honorable Mention

Emily Thompson A musical theory

Winner of the Nelson Management Consulting Award for Excellence in Industrial Engineering (\$150)

Katie Warren Does text color affect memory?

Environmental Sciences

First Place

Grand Prize Recipient – Junior Division

Emily Hundley Where to find the best air quality

Second Place

Claire Gibson Water hardness, pH and temperature

Third Place

Daniel Killen Solar Energy and White Wave Lengths

Engineering

First Place

Winner of the AdTran Award of Excellence in Computer Engineering (\$100)

Cole Crippen Sending WiFi signals further

Second Place

Jason Farmer WIFI Waves

Third Place

Winner of the Rachel Shankle Memorial Award of Excellence – Jr. Division (\$100)

Cole Milby Stay Pumped up!

Honorable Mention

Christopher Johnson Effects of tire pressure & tread pattern on bicycle braking

Winner of the Brindlee Mountain Fire Apparatus Award of Excellence in Engineering (\$75)

David Furtwengler Friction and ice

Food Science

First Place

Isabella Showalter Eggs as Emulsifiers

Second Place

Allison Sell Chocolate Meltdown

Third Place

Megan Madison Pan Performance

Materials Science and Engineering

First Place

Emily Deng The Strength Testing of Liquid Glue

Second Place

Caleb Davis Glue Strength

Third Place

Becky Skinner Diaper Absorbency

Honorable Mention

Preston Rowley Effects of different adhesives on materials

Honorable Mention

Anna Pell Keep it clean!

Medicine and Health Sciences

First Place

Grand Prize Recipient – Junior Division

Winner of the McCoy Vision Award of Excellence in Medical Sciences (\$75)

Kavi Nallamala Does playing video games affect vision?

Second Place

McKenzie Hardiman Natural Ways to Lower Blood Pressure

Physical Sciences

First Place

Kayla McFadden Catapult!

Second Place

Emma Lynn Bang!

Third Place

Ian McCoy The Effects of Air Resistance on Projectile Motion

Honorable Mention

Bre Richeson Magnetic levitation

Honorable Mention

Mary Elizabeth Beasley Stride for speed

Plant and Animal Sciences

First Place

Maddie Stevens Does caffeine affect growth of Vigna Radiata?

Second Place

Elizabeth LaPaugh Organic or Inorganic: How does your garden grow?

Honorable Mention

Brooke Clarke Organic or inorganic

Honorable Mention

Sarah Manders Warm vs. cold natured: Dog's drinking habits