

Senior Division Awards Listing
WCA Science and Mathematics Fair
January 17, 2012

Behavioral Sciences

First Place

Winner of the Rachel Shankle Memorial Award (\$100)

Rinkel, Julie How effective are social stories with children with special needs?

Second Place

Shipma, Cristiana Addicted

Third Place

Randall, Elizabeth; Holland, Katie & Randel, Mary Ann Test Your Buds

Honorable Mention

Hoyt, Jennifer & Groening, Milena Take a Hint

Honorable Mention

Robbins, Rachel The Power of Peppermint

Honorable Mention

Gordon, Kelsey Face It!

Chemistry

First Place

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

Reid, Lacy Temperature Effect on Density

Second Place

Barshinger, Erin How much sugar is in different beverages?

Third Place

Phillips, Sydney Home Made Glow Sticks

Honorable Mention

Kirksey, William Reverse Osmosis

Engineering: Energy & Transportation

First Place

Kromann, Nicholas Predict a Rocket's Altitude

Second Place

Hamilton, Louis Following the Sun

Third Place

Baudendistal, John Sunup or Sundown: A Study of Harnessing the Sun's Energy

Engineering: Electrical & Mechanical

First Place (Electrical Engineering)

Kromann, Benjamin Warping an Ion Beam Using Computer-Controlled Electromagnets

First Place (Mechanical Engineering)

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

Graham, Elizabeth Design and construction of a basic retrieval robot

Second Place

Winner of the Torch Technologies Award for Engineering Excellence (\$75)

Ewing, Eric Making Zeus' Cell Phone Charger

Third Place

Winner of the Torch Technologies Award for Engineering Excellence (\$75)

Cyr, Ben Electronic Lifter

Honorable Mention

Notttingham, Charles Combining Bridge Types

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

Nelson, Shane The Future of Traffic Lights

Environmental Sciences

First Place

Jackson, David How Clean is Green?

Second Place

Gossett, Ellis What's the Re-Purpose?

Third Place

Muchinsky, John Comparison of Weather Patterns East and West of the Ural Mtns.

Food Sciences

First Place

Reynolds, Colette & Kelsey *Which orange contains the most vitamin C?*

Second Place

Suggs, Camryn *Fruit Anyone?*

Third Place

Glomboski, Jeremy *What is the fastest way to age a banana?*

Materials Science & Engineering

First Place

Laue, Parker *Sunscreens - the Good, the Bad, and the Ugly*

Second Place

Hightower, Chip *Which Brand of Soccer Ball Retains the Most Air*

Third Place

Pruitt, Anna *Cold will not Affect SillyBandz*

Honorable Mention

Nelson, Charles *OSB vs 3-Ply*

Mathematics and Computers

First Place

Grand Prize – Best Overall Project in the Senior Division

Mullican, Timothy *Automatic pet feeder*

Second Place

Malone, Sarah *The Fast Way to Grade*

Medicine and Health Sciences

First Place

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

Farr, Abbey *Skin Deep*

Second Place

Malone, Imani *Does Age affect Your Hand-Eye Coordination*

Third Place

Wilson, Avery *Recording frequency*

Honorable Mention

Bumpas, Matt & Beasley, Jackson

"Muscle Milk" vs. Chocolate Milk: Weight Gain

Physical Sciences**First Place**

Galloway, Matthew *Life or Death*

Second Place

Mora Johnson *Some Like It Hot*

Third Place

Conner, Graham & Duke, Justin *What's the Distance?*

Honorable Mention

Wesley Buff *Fun With Gyroscopes*

Plant & Animal Sciences**Second Place**

Amy Denny *Plop, Drop and grow*

Third Place

Jamie Penner *Fish breath*

Honorable Mention

Hicks, Abby & Hinson, Sarah

H2O me 'till you grow me