

2012 Seton Science Fair

January 31, 2012

On behalf of the Science Fair Committee, we would like to express our congratulations to all of the students who participated in this year's science fair. Many of your projects showed a great deal of originality and creativity, as well as a good understanding of the scientific method. We know that completing and presenting a science fair project requires a significant amount of effort. As such, your efforts are to be commended. Your patience and cooperation during the science fair was also much appreciated.

The place winners for this year's science fair are listed on the pages that follow.

A limited number of our place winners have been invited to enter their projects into the Prince William-Manassas Regional Science Fair to be held on March 17th, 2012. In general, most 1st place winners, some 2nd place winners, and occasionally 3rd place winners are invited to participate in the regional fair. Eligible students should already have received an invitation for this event. If you suspect that your child should have received an invitation, please ask him or her. The forms were given out at the PRO meeting and during classes on Tuesday.

Finally, we want to thank all those who helped with the science fair this year. It is only through the dedication of our teachers, staff, and parent volunteers that a project of this size can be completed successfully. Our participation in this year's science fair has given us an even greater appreciation of each of you. Your many hours of unsung work enable the success of events like the science fair. We are very humbled by your dedication and support.

Sincerely and with much gratitude,

Matthew Lewandowski
2012 Seton Science Fair Coordinator

SETON 2012 SCIENCE FAIR RESULTS

Junior High		
Behavioral & Social Sciences (BE)		
1st	<i>It's not the Heat, It's the Humidity</i>	Catherine Pechie
2nd	<i>Eye Spy</i>	Thomas Pogue
3rd	<i>Who is Smarter than a 6th Grader? Adults or 7th graders?</i>	Jodi Vallimont
Biochemistry (BI)		
1st	<i>Break(Fe)st: How much iron is in your cereal?</i>	Michael Angsten
Chemistry (CH)		
1st	<i>Can this Tater Run a Calculator?</i>	Matthew Ellis
2nd	<i>Building Crystal City! The Effect of Molasses on Growing Sugar Crystals</i>	Grant Mantooth
3rd	<i>The Effect of Oxygen on the Rate of Combustion</i>	Thomas Russo
Eng - Electrical & Mech (EN-E&M)		
HM	<i>Engineering Truck Safety</i>	Mark Messier
Eng - Materials & Bioeng (EN-M&B)		
1st	<i>Shhh! What Keeps the Peace?</i>	Sarah Marchesseault
Earth Sciences (ES)		
1st	<i>Soil Mixtures and Moisture</i>	Julia Guyant
Environmental Sciences (EV)		
1st	<i>Base Defense Against an Acid Air Raid</i>	Cecilia Hassan
2nd	<i>The Positive Effect of Rooftop Gardens on the Environment</i>	James Kosten

3rd	<i>Through the Towel</i>	Jane Pennefather
Medicine and Health (MH)		
HM	<i>Do Onions Make you Cry?</i>	Nina Francis
Microbiology (MI)		
2nd	<i>Hold the Mold</i>	Joseph Spicer
3rd	<i>Where Mold Grows Best</i>	Mary Jackson
HM	<i>How to Decontaminate Contaminated Water</i>	Robert Holmes
Physics and Astronomy (PA)		
1st	<i>Super Sound-Proof</i>	Michael Byers
2nd	<i>Investigating the "Death"(loss of temperature) of an Orange</i>	Miguel Garcia
3rd	<i>Accuracy and Precision</i>	Tyler Hoffman
HM	<i>The Egg Vacuum</i>	Matthew Peters
Plant Sciences (PS)		
1st	<i>What Kind of Water?</i>	Kaitlyn Flynn
2nd	<i>Do Seeds Have a Sweet-Tooth?</i>	Reilly Cuccinelli
3rd	<i>Grow, Grow, Grow!!!</i>	Luke Trummer
HM	<i>Flower Power</i>	Bethany Stine
HM	<i>Liquid or Powder</i>	Mary Allman
HM	<i>What Color is Your Flower?</i>	Chiara Fusco
HM	<i>Plant Gravity</i>	Theresa Block
HM	<i>Caffeine Fed Seeds</i>	Danielle Flook

Senior High		
Animal Sciences (AS)		
1st	<i>Colors Matter to All</i>	Virginia Germain
Behavioral & Social Sciences (BE)		
1st	<i>Numbers, Numbers Flying By...</i>	Vincent Terreri
2nd	<i>Manipulating Illusions with Color</i>	Gabriel Lovejoy
2nd	<i>The Stroop Effect</i>	Emily Spicer
Biochemistry (BI)		
1st	<i>Calories Out of the Frying Pan and Into the Fire</i>	Fiona Geiran
2nd	<i>A is for Apple</i>	Elizabeth Troup
2nd	<i>Churning Butter</i>	Ann Pennefather
Chemistry (CH)		
1st	<i>Carbon Monoxide: A Hidden Danger?</i>	Jonathan Stine
2nd	<i>How Much C and You See?</i>	Thomas Shaw
3rd	<i>Electrolyte Challenge!</i>	Sarah Marrazzo
HM	<i>Got Vitamin C?</i>	Zachary Peach
Computer Science (CS)		
1st	<i>Where on Earth...?</i>	Nathaniel Lewandowski
Eng - Electrical & Mech (EN-E&M)		
2nd	<i>Solar vs. Wind</i>	Alexandra Sinner
3rd	<i>Cell Phones and Radiation</i>	Kyle Godeaux
Eng - Materials & Bioeng (EN-M&B)		
1st	<i>The Flexibility of Different Types of Paint</i>	Anna Cook
2nd	<i>Rockin the Earth</i>	Paul Mosimann
3rd	<i>Balistics and Body Armor</i>	Robert Camarca Michael Duca

Medicine and Health (MH)		
1st	<i>Reading - What Genre Affects Your Heartrate Most?</i>	Emily Baker
1st	<i>The Physical Effects of Lying</i>	Claire Birch
2nd	<i>Right and Left-Handed Dominance</i>	Brett Kellogg
3rd	<i>The Battle of Smell vs. Taste</i>	James Hurst
HM	<i>What's Beside You?</i>	Kateri Mooney
HM	<i>Performance Technology, Fact or Fiction?</i>	Celina Albisu Patrick Pennefather
HM	<i>Hand Sensitivity</i>	Maria Pogue
Microbiology (MI)		
1st	<i>Grapes of Bath: Sanitizing Your Grapes</i>	Siena Mantooth
1st	<i>What's in Your Water?</i>	Claire Rafter
Physics and Astronomy (PA)		
1st	<i>Rocket Aerodynamics</i>	Andrew Bishop
2nd	$E = m(\text{agnets}) \times d(\text{istance}) \text{ squared}$	Andrew Marchesseault
3rd	<i>What is that Sound?</i>	Mark Fioramonti
HM	<i>Sweet Refractions</i>	Mary Scheetz
HM	<i>Easy As Rocket Science</i>	Timothy Jackson
Plant Sciences (PS)		
1st	<i>Thirsty Plants?</i>	Bernadette Rohan
2nd	<i>Carnations to Christmas Trees</i>	Josephine Aveni
3rd	<i>Hot to Touch</i>	Victoria Hook
HM	<i>pHlowers: pHlat or pHlourishing?</i>	Sean McCardell