

**SUPERIOR (GOLD MEDAL) AWARDS  
VERMONT STATE SCIENCE & MATH FAIR–2007**

<u>Name/School</u>	<u>Grade</u>	<u>Project</u>
<b>Taylor Brandes</b> South Burlington High Sch	10	Food Safety: Properly Preparing Food to Prevent E. coli and Other Bacteria
<b>Joseph Dexter</b> Green Mountain Union High	10	A Microfluidic Capillary Flow Acoustic Turbulence Sensor
<b>Sorcha Dundas</b> Rutland High School	11	Recycled Energy
<b>Lauren Farmer</b> Mater Christi School		
<b>Julia Francis</b> Main Street Middle School		How much integrity do we use...When nobody is looking?
<b>Andrew Giroux</b> Hinesburg Community Schoo	8	Is Newer Faster
<b>Maggie Kinzel</b> Main Street Middle School		How much integrity do we use...When nobody is looking?
<b>Francisca Lambert-Fliszar</b> South Burlington High Sch	10	The Effect of Phosphorus on the Cyanobacteria Microcystis
<b>Benjamin Lidofsky</b> South Burlington High Sch	10	The Effects of the Hepatitis B X Protein and Hepatocyte Growth Factor on Cell Migration
<b>Anna Martel</b> Green Mountain Union High	8	What Color is Seen First - Black or White?
<b>Brian Ribbans</b> Mount St. Joseph Academy	10	Which Electrolyte Is Most Efficient for Creating Hydrogen?
<b>Tyler Sanborn</b> Mount St. Joseph Academy	9	The Nature of Memory: Memory Accuracy Declines With Time
<b>Vishwas Wesley</b> South Burlington High Sch	10	Carcinogenic Effects of Fluoride and Arsenite on Lung Epithelial Cells
<b>Kyle White</b> South Burlington High Sch	10	Effects of Phosphorus and Fertilizers on Plant Growth
<b>Merideth Zeller</b> Rutland High School	11	Wind Wins

**EXCELLENT (SILVER MEDAL) AWARDS  
VERMONT STATE SCIENCE & MATH FAIR–2007**

<u>Name/School</u>	<u>Grade</u>	<u>Project</u>
<b>Kyle Ackerman</b> Windsor High School	12	Improving solar cells
<b>Andrew Baker</b> Rutland High School	11	Helicopter Free Fall
<b>Megan Beattie</b> Mater Christi School	8	pH and Enzymes??....EGGZ-ACTLY!

<b>Marie-Andree Beauvillier</b> South Burlington High Sch	10	Control Methods of Myriophyllum spicatum
<b>Dan Bolger</b> St. Francis Xavier	8	Fluoride, Friend or Foe
<b>Talia DeFranco</b> Mater Christi School		pH and Enzymes??....EGGZ-ACTLY!
<b>Benjamin Green</b> Rutland High School	11	Piezoelectricity and its Modern Applications
<b>Connor Griffiths</b> South Burlington High Sch	10	E-Coli in Champlain Valley Water Sources
<b>Alessandra Hodulik</b> Mount St. Joseph Academy	10	The Effect of Time on the an Eyewitness's Report
<b>Jameson Hurd</b> Hinesburg Community Schoo	8	Music and Concentration
<b>Chris Kenseth</b> Main Street Middle School	8	Understanding earthquake recurrence intervals
<b>Alan Lei</b> South Burlington High Sch	10	Musical Memory
<b>Patrick Myers</b> South Burlington High Sch	10	The Effect of Sulfur Dioxide on Lichen
<b>Laura Ostrout</b> Northfield High School	11	The Effects of the Amino Acid Lysine of the Physical Growth
<b>Sam Phelps</b> South Burlington High Sch	10	Roles of DNA Repair Genes vs. Ionizing Radiation
<b>Meghan Plant</b> St. Francis Xavier	8	Candy or Medicine
<b>David Ribbans</b> Mount St. Joseph Academy	11	Finding Recipe to Yield Highest Percent Ethanol Using Household Items
<b>Ryan Ritter</b> Rutland High School	10	Cheese Matters
<b>Joseph Romano</b> Mill River Union High Sch	10	Wireless Network Performance: Does Distance Matter?
<b>Kristen Schuppe</b> South Burlington High Sch	10	Gene Locations of Drosophila melanogaster
<b>Kyle Selmer</b> Weathersfield Middle Scho	8	Rockets and Nozzles
<b>Matthew Solomon</b> Mater Christi School	8	Cold Cuts
<b>Amberly Soto</b> Rutland High School	10	The X Chromosome Versus the Y Chromosome
<b>Nicholas Spaniel</b> Mater Christi School	8	Crunch Time
<b>Liesl Ulrich-Verderber</b> Mater Christi School	8	Grass vs. Grain
<b>Sebastian Ventrone</b> South Burlington High Sch	10	Macroinvertebrates and the Health of Potash Brook

<b>Billy Weaver</b> Mater Christi School	7	Who Will Steel The Show
<b>Caroline Weaver</b> South Burlington High Sch	10	
<b>Kaiyu (Alex) Zhang</b> South Burlington High Sch	10	Complication Resulting From Incomplete Antibiotic Regimens

**SPONSORED AWARDS  
VERMONT STATE SCIENCE & MATH FAIR–2007**

**Sponsors:**

ACS	Green Mountain Section--American Chemical Society
ASM	Northeast Branch American Society for Microbiology
GMWEA	Green Mountain Water Environment Association
ISEF	Two First Place Finalists will compete in the Intel International Science and Engineering Fair
NEAVS	New England Anti-Vivisection Society
SME	Green Mountain Chapter--Society of Manufacturing Engineers
STOCK	One of these students will represent Vermont in the Stockholm Junior Water Prize competition. Selected by Green Mountain Water Environment Association
SWE	Society for Women Engineers--North Country Section
SX	Vermont Chapter of Sigma Xi, The Scientific Research Society
TBP	Norwich University's Beta Chapter of Tau Beta Pi, The National Engineering Honor Society
VAAS	Vermont Academy of Arts and Sciences
VANR	Vermont Agency of Natural Resources--Department of Environmental Conservation
VPA	Vermont Principals' Association
VSNA	Vermont State Nurses' Association

**Awards:**

<u>Award/Name</u>	<u>Grade</u>	<u>Project/School</u>
VPA (\$200) <b>Kyle Ackerman</b>	12	Improving solar cells Windsor High School
TBP (\$50) <b>Andrew Baker</b>	11	Helicopter Free Fall Rutland High School
VANR (\$100) <b>Zoe Boner</b>	8	An Exploration of Vermicomposting Main Street Middle School
GMWEA (\$100) <b>Chelsey Bush</b>	11	The Affect of Copper on the Lifespan of Escherichia coli Northfield High School
STOCK <b>Chelsey Bush</b>	11	The Affect of Copper on the Lifespan of Escherichia coli Northfield High School
VANR (\$100) <b>Zach Cohen</b>	11	Water Quality of the Dog River Measured by the Structure of Northfield High School
SX (\$50) <b>Joseph Dexter</b>	10	A Microfluidic Capillary Flow Acoustic Turbulence Sensor Green Mountain Union High

VAAS (\$100) <b>Laszlo Ecker-Racz</b>	12	Affects of pH in precipitation on growth rate of maple seedlings Lake Region Union High Sc
VANR (\$100) <b>Lauren Farmer</b>		Mater Christi School
GMWEA (\$100) <b>Connor Griffiths</b>	10	E-Coli in Champlain Valley Water Sources South Burlington High Sch
STOCK <b>Connor Griffiths</b>	10	E-Coli in Champlain Valley Water Sources South Burlington High Sch
VANR (\$100) <b>Chris Kenseth</b>	8	Understanding earthquake recurrence intervals Main Street Middle School
ACS (\$50) <b>Brittany Kleefisch</b>		The Significance of pH Rutland High School
GMWEA (\$100) <b>Francisca Lambert-Fliszar</b>	10	The Effect of Phosphorus on the Cyanobacteria Microcystis South Burlington High Sch
STOCK <b>Francisca Lambert-Fliszar</b>	10	The Effect of Phosphorus on the Cyanobacteria Microcystis South Burlington High Sch
ASM (\$100) <b>Benjamin Lidofsky</b>	10	The Effects of the Hepatitis B X Protein and Hepatocyte Growth Factor on Cell Migration South Burlington High Sch
ACS (\$50) <b>Alexis Locke</b>	8	Energy and food Weathersfield Middle Scho
VSNA (\$50) <b>Olivia Miles</b>	10	How Running on Different Surfaces Affects You Mill River Union High Sch
VANR (\$100) <b>Patrick Myers</b>	10	The Effect of Sulfur Dioxide on Lichen South Burlington High Sch
GMWEA (\$100) <b>Alice Peng</b>	10	Growth of Blue-Green Algae in Urban Stormwater South Burlington High Sch
STOCK <b>Alice Peng</b>	10	Growth of Blue-Green Algae in Urban Stormwater South Burlington High Sch
VANR (\$100) <b>Alice Peng</b>	10	Growth of Blue-Green Algae in Urban Stormwater South Burlington High Sch
ACS (\$100) <b>Brian Ribbans</b>	10	Which Electrolyte Is Most Efficient for Creating Hydrogen? Mount St. Joseph Academy
SX (\$50) <b>Aaron Rovner</b>	10	KV1.3 In Sympathetic Neurons South Burlington High Sch
SME (\$50) <b>Matthew Solomon</b>	8	Cold Cuts Mater Christi School
ASM (\$100) <b>Caroline Weaver</b>	10	South Burlington High Sch
SWE (\$100) <b>Merideth Zeller</b>	11	Wind Wins Rutland High School