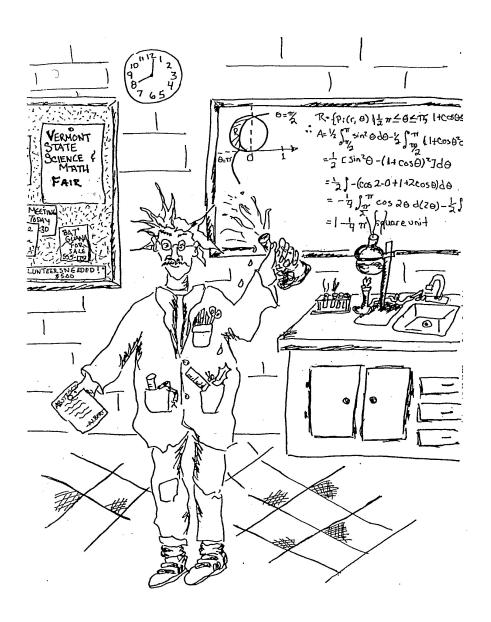
2014 Vermont State Science & Math Fair

"Inspire and reward Vermont middle and high school students doing high quality research"



Saturday March 29, 2014

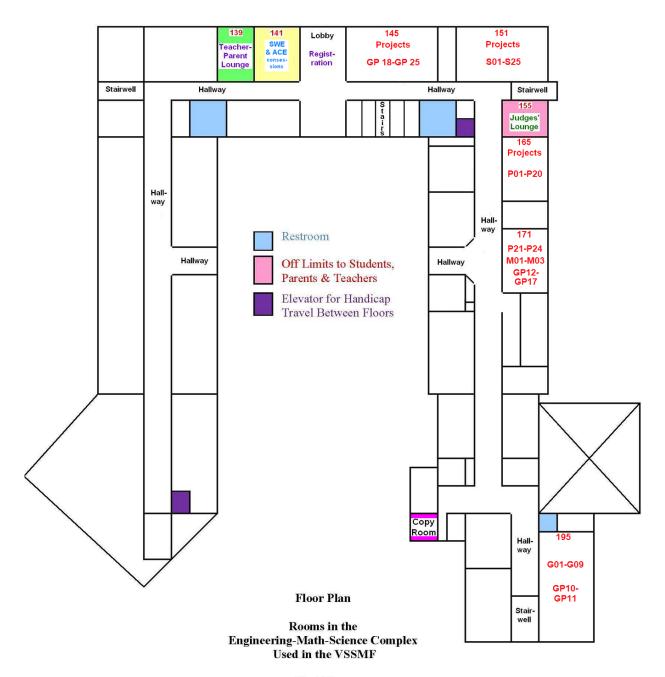
Norwich University, Northfield, Vermont

Map of Norwich University

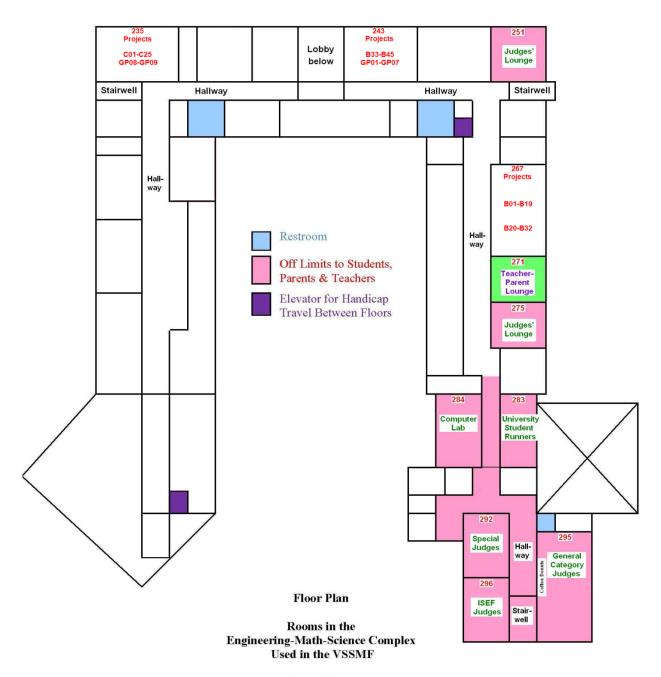


Schedule

7:45 - 9:00	Registration, Lobby of Science Building
	& project set up in assigned rooms
9:00 - 12:30	Judging of projects - Projects open to public
10:00 - 10:30	Mid-morning break - Students may visit exhibits
12:30 - 2:00	Lunch, Wise Campus Center Food Court
	& Take down projects
2:00 - 4:00	Program & Awards, Dole Auditorium, Webb Hall
10:00 - 1:30	Exhibits of STEM Resources, registration lobby and the Sullivan Museum and History Center



First Floor



Second Floor

Room Assignments

Room 267	B01-B19 B20-B32	General Biology Microbiology/Genetics
Room 243	B33-B45 GP01-GP07	Physiology/zoology Biology Groups
Room 235	C01-C25 GP08-GP09	General Chemistry Chemistry Groups
Room 195	G01-G09 GP10-GP11	Geology Geology Groups
Room 165	P01-P20	Physics part 1
Room 171	P21-P24 M01-M03 GP12-GP17	Physics part 2 Math Math and Physics Groups
Room 151	S01-S25	Social Sciences
Room 145	GP18-GP25	Social Sciences Groups

Awards Program, March 29th, 2014

VSSMF Awards

VSSMF Silver Medalists VSSMF Gold Medalists

Vermont Principals' Association

VSSMF Middle School Computer Science

Next Generation Scholarships

St Michael's College

Vermont Technical College

Announcement about Green Mountain College

& Norwich University's NG Scholarship winners

Norwich University- top five juniors

VSSMF Local Awards

AllEarth Renewables

American Chemical Society, Green Mountain

Local Section

Biophysical Society

Cabot Creamery Cooperative

Dufresne Group

Eagle Hill Institute

Efficiency Vermont

Entergy Vermont Yankee

Ethical Science and Education Coalition

Green Mountain Water Environment

Association

& Stockholm Jr Water Prize

GroSolar

Haematologic Technologies

Logic Supply

Nathaniel Group

Northeast Branch, American Society of

Microbiology

Northeast Section Institute of Food

Technologists

Polhemus

Renewable NRG Systems

Resource Systems Group

Society of Women Engineers

Superior Technical Ceramics Corporation

Tau Beta Pi

Tcorp

VSSMF Local Awards, Contd.

Ted Marsden Memorial Award

Vermont Academy of Arts and Sciences

Vermont Chapter, Sigma Xi

Vermont Energy Education Program

Vermont Organization of Nurse Leaders

National Awards

Grades 5-8

Broadcom Masters

Grades 9-12

1-SWEEEP

Genius Olympiad

ISEF Affiliation Awards

Grades 5-8

U.S. Marines

Grades 9-12

National & Professional Society Awards

American Meteorological Society

American Psychological Association

American Society of Materials

Association of Women Geoscientists

Intel Excellence in Computer Science

Mu Alpha Theta

Ricoh Sustainable Development

Society for In Vitro Biology

United States Metric Association

Yale Science and Engineering Association

U.S. Government Non-Military Awards

National Oceanographic and Atmospheric

Association

U.S. Public Health Service

U.S. Military Awards

U.S. Army

U.S. Navy

ISEF Finalists

Vision & Mission:

The Vermont State Science & Math Fair (VSSMF) envisions Vermont as a state where an increasing proportion of our secondary students continue their post-secondary education or training in STEM (Science, Technology, Engineering and Math), and our youth see a vibrant STEM culture and the promising future in STEM related careers and occupations in Vermont.

Our mission is to inspire and reward Vermont middle and high school students for high quality STEM inquiry by providing free access to competitions for independent student research, STEM scholarships to Vermont Colleges, and cash and recognition awards and opportunities worth almost a million dollars through participation in the VSSMF.

Introduction

We believe conducting and presenting independent research prepares secondary students for post secondary education or training, and lifelong learning in STEM. The Scientific Methods empower students to innovate, solve problems and make discoveries that will impact the future. A crucial part of this process is the evaluation of their work by established scientists in the field using standards-based scoring rubrics. In this way the VSSMF contributes to the overall educational experience of the student.

The VSSMF annual inquiry based poster-presentation competition is an exciting opportunity for aspiring scientists and engineers (grades 5-12), and their teachers to showcase the results of their independent research. Each year 200 student projects, (selected from over 2000 projects statewide) address questions and solve problems in all possible areas of STEM.

Students compete for more than \$9000 in cash and \$16,000 in trip prizes donated by local organizations, and \$900,000 in scholarships to Vermont colleges. The fair is also affiliated with the International Science and Engineering Fair, and five other national and international competitions, which awards additional prizes

Projects are judged by at least three judges, separately over the course of the morning to determine winners for medals, cash, trips and scholarships. Our approximately 150 judges include scientists, secondary education faculty, dentists, physicians, nurses, military personnel and retirees, and other science related professionals from across Vermont. .

The VSSMF, sponsored by the VPA, is an all volunteer, non-profit [501(c)(3)] organization supported by Norwich University and over 100 other Vermont organizations, colleges and industry partners that share our vision and mission. We offer free outreach and professional development opportunities related to inquiry education to all public and private middle and high school science and math teachers.

The VSSMF is an all-volunteer organization. Over 80% of the \$34,000 raised annually goes to students and their teachers. The remainder goes to operating costs. The money raised comes from 53 sponsoring partners in Vermont who provide gifts or grants from \$50-\$1000. This year, these partners provided nearly \$16,800 for student and teacher trips to competitions beyond Vermont and expenses. Money also comes from 32 award sponsors (up from 27 last year) in Vermont that provide over \$8000 in prizes. In addition to the above money raised by VSSMF, four Vermont colleges provide Next Generation Scholarships totaling nearly \$900,000. Finally, our affiliation with competitions beyond Vermont provides over \$9,000 to Vermont students and their teachers. We also have judges from STEM partners in academia, industry, and professional organizations. In short, we have over 100 Vermont-based partners that share our vision joining us to make the VSSMF a huge success.

The following lists the above Vermont stakeholders who as partners and sponsors, consider investing in YOU NOW to be a wise move so they can employ you in the future when you finish your education!

VERMONT SPONSORING PARTNERS

Colchester

Vernon

Entergy Vermont Yankee

Applied Research Associates Randolph	Environmental Compliance Services Brattleboro	Lyndon State College Lyndonville
ATC Associates Williston	Fairbanks Scales St Johnsbury	Med-Associates St. Albans
Bourne's Energy Morrisville	FairPoint Communications South Burlington	Mylan Technologies St Albans
Cabot Cooperative Creamery Cabot	First Wind Sheffield	New England Research White River Junction
Capital Connections Montpelier	Goodrich Corporation: United Technologies Corporation	Northfield Savings Bank Northfield
Castleton State College Castleton	Aerospace Systems Vergennes	Norwich University Northfield
Catamount Research & Development St. Albans	Green Mountain Antibodies Burlington	Norwich University Applied Research Institute Northfield
Chroma Technology Corp Rockingham	Haematologic Technologies Essex Junction Hallam, ICS	Omya, Inc. Proctor
Concepts NREC White River Junction	South Burlington Husky Injection Molding	Phoenix Chemistry Services North Ferrisburg
Dufresne Group Windsor	Milton IVEK Corporation	Physician's Computer Company Winooski
EF Wall Barre	North Springfield Johnson State College	Plasan Carbon Composites Bennington
Engleberth Construction	Johnson State College	Resource Systems Group

LORD Corporation-Microstrain

Williston

White River Junction

Rock of Ages

Graniteville

Saint Michael's College

Colchester

Stantec

South Burlington

TestAmerica Burlington

Burlington

Trumbell-Nelson Construction

Montpelier

University of Vermont

Burlington

Vermont EPSCoR

Colchester

Vermont Gas Systems, Inc. Burlington

Vermont Principals' Association

Montpelier

Vermont Systems, Inc Essex Junction Vermont Technical College

Randolph Center

Vermont Technology Council

Burlington

Washington Electric Co-op

East Montpelier

Weston & Sampson

Waterbury

Wright & Morrissey
South Burlington

VERMONT AWARD SPONSORS (Professional societies have Vermont members)

Vermont Principals' Association

Montpelier

AllEarth Renewables

Williston

American Chemical Society, Green

Mountain Local Section

Burlington

Biophysical Society

Rockville, MD

Cabot Creamery Cooperative

Cabot

Dufresne Group, Consulting Engineers

Windsor

Eagle Hill Institute

Steuben, ME

Entergy Vermont Yankee, WIN

Vernon

Ethical Science and Education Coalition

Boston, MA

Green Mountain Water Environment

Association &

Stockholm Junior Water Prize

Montpelier

groSolar

White River Junction

Haematologic Technologies, Inc.

Essex Junction

Nathaniel Group Inc.

Vergennes

Northeast Branch, American Society for

Microbiology

Northfield

Northeast Section, Institute of Food

Technologists Natick, MA

Polhemus

Colchester

Renewable NRG Systems Hinesburg

Resource Systems Group

White River Junction

Society of Women Engineers, North Country Section

South Burlington

Superior Technical Ceramics

St. Albans

Tau Beta Pi, Norwich University Chapter

Northfield

TCORP Colchester

Vermont Academy of Arts and Sciences

Northfield

Vermont Chapter, Sigma Xi

Northfield

Vermont Energy Education Program

Burlington

Vermont Organization of Nurse Leaders

Montpelier

Vermont State Science & Mathematics

Fair

(four separate monetary awards and travel awards to five national sites.)

Northfield

NEXT GENERATION SCHOLARSHIPS TO VERMONT COLLEGES AND UNIVERSITIES

Green Mountain College Saint Michael's College

Poultney Colchester

Norwich University Vermont Technical Colleg

Northfield Randolph Center

VERMONT PARTNERS PROVIDING JUDGES

Vermont Post-Secondary STEM School Partners

Middlebury College University of Vermont

Middlebury

Medical School Burlington

Colchester

Norwich University

Northfield

Burlington Vermont Technical College

Dartmouth College

Saint Michael's College

East Randolph

Hanover, New Hampshire

Vermont STEM Professional Partners

American Chemical Society, Green

University of Vermont, College of **Engineering and Mathematical Sciences**

Mountain Local Section

Society of Women Engineers, North

Country Section

Vermont Organization of Nurse Leaders

Vermont Entergy Women in Nuclear

Green Mountain Water Environment

Association

Tau Beta Pi, Engineering Honor Society,

Vermont Academy of Science and Engineering

Norwich University Chapter

Vermont Academy of Arts and Sciences Vermont Chapter of Sigma Xi

Vermont Astronomical Society

Vermont Genetics Network Outreach

Northeast Branch, American Society for

Microbiology

Vermont STEM State & Federal Government Partners

Fish & Wildlife/Agency of Natural Resources U.S. Army

Waterbury

US Navy

Northfield White River Junction **US Air Force** Burlingtion

Vermont STEM Industry Partners

AllEarth Renewables

Williston

Island Innovations

Grand Isle

Blue Cross, Blue Shield of Vermont

Berlin

LORD Corporation-Microstrain

Williston

Resource Systems Group White River Junction

Precision Bioassay Burlington

Carbon Catalyst

Nathaniel Group Burlington Vergennes

UTC-AS, Goodrich,

Central Vermont Medical Center

Berlin

Northfield Dental Group

Northfield

VELCO Rutland

Vergennes

D.E.W. Construction Corporation

Northfield Elite Dental

Hughlett Technical Services

Waterbury

Essex Junction

Northfield

Phoenix Chemical Services

Vermont Energy Education Program, Burlington

IBM (International Business Machines)

North Ferrisburg

Weston and Sampson Engineers, Inc.

Polhemus Colchester Waterbury

Albert D. Lawton Intermediate S	School			
Jennifer Aither				
Josh Baker	7	The Better Snowboard Binding	P01	Room 165
Jessica Beliveau	7	To Brine or Not to Brine	GP11	
Emily Harvey	8	Acid Rain, Rain, Go Away		Room 195
Olivia Miller-Johnson	7	To Brine or Not to Brine	GP11	
Isaak Olson	7	Essential Emotions	S17	Room 151
Adela Peco	8	Acid Rain, Rain, Go Away	GP10	Room 195
Isabelle Pertucci	7	Spicy Food and My Stomach	C16	Room 235
Burlington High School				
Mark Wagy				
Gailin Pease	12	Learning and Habituation in Evolutionary	-	
			M02	Room 171
Burlington Technical Center				
Betsy McLane				
Sha'Kylah Morris	12	Facial Expressions Made By Young Childr	en & A	dolescents
		(Do they correspond?)	S13	Room 151
Natalie Oberding	12	The Effects of Environmental Enrichmen	t on Ger	bil Behavior
			B42	Room 243
Christ the King School Rutland				
Tom Estill	_			
Sophia Moore-Smith	8	A New Spin on Wind Power	P12	Room 165
Christ the King School Burlingto	n			
Vidula Srivastava				
Nacole Barrett	8	Stretch Those Muscles	GP07	Room 243
Eric Benner	6	How Different Postures Affect Blood Pre	ssure a	nd Heart
		Rate While Playing a Computer Game	GP20	Room 145
Emily Benz	7	A Stroll Down Memory Lane	GP18	Room 145
Sara Bostok	8	Stretch Those Muscles	GP07	Room 243
Hana Couture	8	Killer Runoff	GP04	Room 243
Grace Hasselbach	7	Two Birds- One Stone?	GP25	Room 145
Mahntra Hennessey	7	Radiation and the Beanstalk	GP06	Room 243
Katelyn Marcoux	7	Store Bought Vs. Homemade	GP09	Room 235
Anika Miner	7	Store Bought Vs. Homemade	GP09	Room 235
Olivia Morana	7	A Stroll Down Memory Lane	GP18	Room 145
Kevin Moynihan	6	Helium Craft	GP15	Room 171
Erin ODonnell	8	Twice the Task, Half the Result	GP24	Room 145
Lucas Parascando	6	How Different Postures Affect Blood Pre	ssure a	nd Heart
		Rate While Playing a Computer Game	GP20	Room 145
Phoebe Plunkett	8	Killer Runoff		Room 243
Maryann Pohlen	8	Twice the Task, Half the Result	GP24	Room 145
Brandon Pratico	6	Helium Craft	GP15	Room 171
Emily Rachek	7	Radiation and the Beanstalk	GP06	Room 243
Alison Rouleau	7	Two Birds- One Stone?	GP25	Room 145

Frederick H. Tuttle Middle Scho	ol			
Amelia Lutz Lena Ginawi	8	Endorphins and Exercise	CP03	Room 243
Finley Killeen	8	Fear and the Human Response		Room 145
Brandon Lee	8	Fear and the Human Response		Room 145
Kiran Waqar	8	Endorphins and Exercise		Room 243
	Ü		ar vo	1100111 = 10
Green Mountain Union High Sch Jonathan Rice	ool			
Sarah Baker	10	Effects of Antioxidants on Drosophila me	lanogas	tor
Saran Baker	10	Lifects of Antioxidants on Drosopinia inc	B20	Room 267
Hartford High School				
Meghan Wilson				
Emily Fortier	10	Dry weight vs. Mercury		Room 243
Jessica Smith	10	Dry weight vs. Mercury	GP02	Room 243
Hinesburg Community School				
Stephanie Konowitz	0	D. C.Iv. O. Dl. v	COO	D 454
Carrie Drescher	8	Pop Culture vs. Our Planet	S08	Room 151
Shea Dunlop Claire Smith	8	Udderly Earth-Saving Acids	C06 P20	Room 235 Room 165
Grace Washburn	7 7	Ice, Ice, Baby Photosynthe-Size	G07	Room 195
Grace washburn	/	r notosyntne-size	G07	KUUIII 193
Mater Christi School				
Mark Pendergrass				
Ethan Behr	6	Score = Score?	S02	Room 151
Tre Diemer 7 Burni	ng Calc	ories With Video Games: The Truth		5 4 7 4
D . I .	-	CANOD: M	S07	Room 151
Davis Lavoie	7	enGAUGEing Magnetism	P07	Room 165
Ethan McCabe	8	To move or not to move, that is the quest		Daam 165
Mike North	6	The Bad Side of Oxygen	P09 C15	Room 165 Room 235
Curtis Plante	7	The Interaction of Distraction	S20	Room 151
Alexandra Quatt	8	Solar Ovens	P15	Room 165
Madedline Sawyer	6	Striking a Chord: How Do Temperature C		
Madediffic Sawyer	O	Vibration Levels of Violin Strings?	P17	Room 165
Beatrice Shlansky	8	Gliding the Distance	P18	Room 165
J		S		
Milton Middle School Greer Krembs				
Madison North	7	How Does Age Effect Memory?	GP21	Room 145
Kristen Potter	7	How Does Age Effect Memory?	GP21	Room 145
Nicole Barone	7	Can Common Plants Kill Bacteria?	GP01	Room 243
Alana Bigos	7	Can Common Plants Kill Bacteria?		Room 243

Milton Middle School (cont.) Janet Smith				
Morgan Bushey	7	The Effect of Nail Products on Fingernails	C03	Room 235
Alyson Gadue	8	From Kale to Kiwi - Which Foods are High		
injoon daddo	Ü	110111111111111111111111111111111111111	C08	Room 235
Molly Loucy	6	Digesting Milk - Does Fat Content Determined		
y y		Levels?	C13	Room 235
Joey Salvas	8	Beyond the Smoke - How a Science Exper-	iment v	
, ,		Cigarettes Changed a Boy's Life	C19	Room 235
John Waligory	7	Generating Wind Energy	P23	Room 171
Milton Middle School				
Nathan Caswell				
Maizy Mooney	8	Effects of Music on Heart Rate and Blood		
	_		B41	Room 243
Elizabeth Wright	7	Reading Emotions in Eyes	S25	Room 151
Missisiquoi Valley Union High S	chool			
Dana Maria Dezotell				
Amanda Burke	11	Turning Coffee Grinds into Fertilizer	G01	Room 195
Katie Cleary	12	Turning Milk into plastic	C04	Room 235
Alexander Freeman	11	Simulation of Earthquakes Using Differen	t Sized	Lego
		Structures	P02	Room 165
Andrew Hubbard	11		GP17	Room 171
Jacob Hubbard	10	The Effect Fertilizer Has on Crop Growth	G04	Room 195
Brett Johnson	11		GP17	Room 171
Emilie Manchester	10	Types of Rocks that Absorb the Most Oil	G05	Room 195
Emily Mead	10	Homemade Bubbles, More Enjoyment or l	Not	
			P11	Room 165
Gabriel Pena	11	The Direct Current of Electrolytes in Beve	O	
			P14	Room 165
Katelyn Perry	10	Evaluating Music#s Ability to Distort an In		
7. I. G	4.4	Emotions	S19	Room 151
Emily Scott	11	Effectiveness of Homemade Stethoscopes		Room 243
Kendall Spaulding	10	Are fingerprints created randomly or gen		_
Hannah Malla	11	Dlant Harbisidas	C22	Room 235
Hannah Wells Hannah Choiniere	11 12	Plant Herbicides	G08	Room 195
namian Chomiere	12	Can buffer strips reduce the effects of nut fields on water quality in Vermont?	G09	Room 195
Veronica Cook-Vilbrin	9	Evaluating Music's Affect on Short Term N		
Alexander Davis	11	Plastic Alternative For The Environment	-	Room 267
Victoria Deatherage	11	The Benefits and Dangers of Blue-green A		KUUIII 207
victoria Deatherage	11	The Benefits and Bangers of Blue green A	B06	Room 267
Kylee DiMaggio	11	Evaluating the Effect of Greywater on Plan		
, 2		=auting one Enoce of Grey water off Flui	G03	Room 195
				170

Northfield Middle High School				
Amy Urling				
Rachael Barney	11	The Effect of Different Types of Plant Ma of Heat Energy Produced	terial or C01	n the Amount Room 235
Keegan Brown	11	The Effect of Water Quality On Dog River		Room 267
Haley Koenig	11	The Effect of Normal Dish Detergents Co		
3 3 3 8		Friendly Detergents on the Growth Rate	•	Room 235
Steven Sayers	11	The Effect of the Northfield Golf Course of		
		of the Dog River	G06	Room 195
Alexa Slocum	11	The Effect of Road Salt on the Growth of		
			C21	Room 235
Greg Ward	9	The Effect of Soaking for 100 hours in Co	mmonl	
5		Beverages on the Average Mass	B45	Room 243
Louis Hallstrom	10	The Effects of different Angles, Wattage of	of CFL L	ight Bulbs,
		and the Color	P04	Room 165
Willy Noyes	10	Speed Traveled by A Vehicle Vs. Its Fuel	Efficien	су
			P13	Room 165
Randolph Educational Resource Gina Sweet	e Cent	er		
Angelica Gaulin	6	Fingerprints	B36	Room 243
Olivia Knudsen	7	Distractions	S12	Room 151
Elizah Markwood	10	PTC and Food Preferences	B40	Room 243
Hannah St.Denis	7	Sugar in Brownies	C23	Room 235
Jonathan Youmans	9	Crab Grab	M03	Room 171
Katie Sweet	10	Consuming Iron	C24	Room 235
Saint Mary's School, Middlebur Craig Hill and Michelle Eagan	cy			
Libby Stevens	5	Man versus Machine	GP05	Room 243
Luke Stevens	6	Man versus Machine	GP05	Room 243
Siobhan Eagan	6	Put bacteria in the penalty box!	B27	Room 267
Olivia Rooney	6	Supercool! Exploring ice nucleation with		
		syringae	B16	Room 267
Peter Wolosinski	6	Brain Dominance vs. Abilities	S24	Room 151
South Burlington High School				
Curtis Belton	10	The Effect of Ctimulant Days on Dlant Co	th	
Sparsh Bhardwaj	10	The Effect of Stimulant Drugs on Plant G	B21	Doom 267
Vandriek Prayman	10	Electricity and bacteria growth	B21 B22	Room 267 Room 267
Kendrick Brayman	10 10	,		
Miya Brown	10	The Effects of Drinking Water on Interna	В33	Room 243
Molly Burke	10	Methane and DNA	B23	Room 267
Daniel Chang	10	The Effect of the Environment on the Rat		
Daillet Glialig	10	Turns Brown	В02	Room 267
Alexandre Chaulot	9	Does Color Affect Taste	B34	Room 243
Alan Chiang	10	Acid Rain: The Effects of Different Types		
man dinang	10	Buffering Capacity	B03	Room 267
		Dancing Supacity	טטט	ROOM 207

South Burlington High School (cont.) Curtis Belton

urtis	s Belton				
	Isaac Cohen	10	The Effects of NaCl Road Dusting on the I	Enviror	nment
			<u> </u>	G02	Room 195
	Lily Cohen	10		B04	Room 267
	Elizabeth Croll	10	The Effects of Television Audio on Short	Term N	l emory
				S05	Room 151
	Chengzhi (Clark) Deng	10	Does Physarum Polycephalum Turn on G		
			Different Proteins When Exposed to Va	B25	Room 267
	Nevil Desai	10	Bioremediation: Using Strains of Pseudon		
	rievii Besui	10	bioremediation, completions of recause	B07	Room 267
	Nirali Desai	10	Natural Antimicrobials against Antibiotic		
	Till Desai	10	Tractar ar Timerimier oblaits against Timerbrotte	B26	Room 267
	Madison Duffy	10	Facial Symmetry:Effects on perceived att		
	Madison Duny	10	raciai symmetry. Effects on perceived act	S09	Room 151
	Derek Gagnon	10	The Effect of Sound on Tenebrio molitor		
	Derek Gagnon	10	The Effect of Sound off Teffebrio montor	В35	Room 243
	Draglin Hanbridge	10	The Dielogy of Music	взэ В37	Room 243
	Braelin Hanbridge	10	The Biology of Music		
	Devin Hebert	10	Water Bound Escherichia coli Survival in		
	rded trans	10	Lake Champlain Water	B08	Room 267
	Elisha Herring	10	Memory and Bilingualism	S11	Room 151
	Trevor Houchens	9	The Ability of Grasses to Remove Fertiliz		0
	a	4.0	Water and the Effect of Root	B09	Room 267
	Sara Kunin	10	How Air Temperature Affects the Transp		
			Plants	B10	Room 267
	Ryan Liebegott	10	Direct Impact of Soil pH on Darkling Beet		_
			Reproduction	B39	Room 243
	Grace Monteiro	10	The Decomposition of Biodegradable Ma		
				B12	Room 267
	Ateev Nahar	10	The effect of the length of the sand colum		
			effectiveness of Biosand Filters	B13	Room 267
	Gabe Nelson	10	Aloneness: Loneliness or Solitude	S15	Room 151
	Sydney Nguyen	10	The Effects of Multitasking on Ones Activ	rities	
				S16	Room 151
	Aster O'Leary		The Effects of Household Vitamins on Pla	ints	
				B14	Room 267
	Amelia Payne	9	The Effect of Cellphone Radiation on year	st meta	bolism
				B15	Room 267
	Ben Ryan	10	The effect of nicotine, caffeine, and borax	on cor	n root
	•		growth.	B17	Room 267
	Patrick Ryan	10	The Affect of Varying Temperatures on B	acteria	Growth
	•		, ,	B29	Room 267
	Max Sample	10	Combustion of Natural Wood Biofuels	B18	Room 267
	Noa Saunders	10	At What Environment Does the Epigenet	ics of E	coli Undergo
			the Most Change?	B30	Room 267
	Rachael Stone	10	Compost Composition and its Effects on V		
			Growing Plants	B19	Room 267
	Daniel Yi	10	The Bacterial Resistance of Antibiotics by		
				B32	Room 267
				-	

St. Francis Xavier School				
Mary Ellen Varhue Olivia Bombardier	7	Can You Do Two?	S03	Room 151
Jonathan Burke	8	Energy Content	C02	Room 235
Tyler Daniels	7	Hot N Cold	C05	Room 235
Jared Forsythe	7	Glow Temperature	C07	Room 235
Katrina Garrow	8	This Fabric's On Fire	C07	Room 235
Casey Keenan	8	Salty Solutions	C11	Room 235
Margaret Martell	7	Glove Vs. Mittens	P08	Room 165
Zachary McCormick	7	Salt and Battery	C14	Room 235
Colin McKay	7		P10	Room 165
•	/	Crackin' n' Snappin'		
Abigail Monahan	7	Fertilizer Feud The Short Torm Memory Test	B11 S18	Room 267
Madeleine Parzyck Christina Peters	7 7	The Short Term Memory Test Soda Science	C17	Room 151 Room 235
			C17	
Zachary Rongo Savana Senecal	8	Rev Up	C20	Room 235 Room 235
	8	Lather. Rinse. Repeat		
Noah Simonds	7	Coming Ohm	P19	Room 165
Eliza White	7	Insulation Situation	P24	Room 171
The Renaissance School Caryn Shield				
Jasmine Crowe	5	Look and Remember	S06	Room 151
Xander Harrison	5	The Piezoelectric Effect	P05	Room 165
Kendall Muzzy	5	Do You Remember	S14	Room 151
Taegen Yardley	5	Pasteurization	B31	Room 267
Weathersfield School David E. Lambert				
Kylee Charest	8	Should You Really Give Your Pooch A Sr	nooch?	
			B24	Room 267
Christopher Gurney	8	Temperature vs. Ice Melter	C10	Room 235
Caitlin Vollmann	8	Mysteries of Radiation	P22	Room 171
Windsor High School Andy Marquis				
Roger Barraby	12	The Effect of Legislation on Marijuana U	Isage S01	Room 151
Ethan Hill	12	The Effect of Distance on Home Court A		
Emily Smith	9	Multi-tasking for all	S21	Room 171
Quincey Smith	12	Vermont Yankee: Location, Location, Ra		
Quincey Silliui	12	vermont rankee. Location, Location, Re	P21	Room 171
Annie Soho	9	Are you smarter than a middle schooler	? S22	Room 151
Brooke Winter	9	The Chemical Effect of Water Temperat	ure on V	Vater
		Activated Medicines	C25	Room 235

Windsor High School (cont.) Catharine Engwall				
Jacob Garnjost	10	Shoe Horns: A Sneaker Ventilation System	m P03	Room 165
Kay Gilman	11	Music Preference Based on Appearance of		
		- 10000 - 1000 0000 2 0000 000 12pp 000 0000 0	S10	Room 151
Casey Husband	10	Maglev and the Environment	P06	Room 165
Nicholas LeBeau	11	Color Recognition and Memory of a Gold	fish	
			B38	Room 243
Abigail Millard	11	Lactobacillus vs. Amoxicillin: Beneficial	Bacteria	as
		Treatment for Sinus Infections	B28	Room 267
Caitlin Roberts	11	Complex vs. Simple: The effects of carbo		
		sugars	B43	Room 243
Emma Saucier	11	Weight Sensing Walking Boot	P16	Room 165
Windsor High School				
Jennifer Townsend				
Mallory Curtis	11	Sympathy by Gender	GP22	Room 145
Shelbie Gebert	11	Can We Influence You?	GP12	Room 171
Valerie Koch	11	Can We Influence You?	GP12	Room 171
Elizabeth Matthews	11	Sympathy by Gender	GP22	Room 145
Windsor Jr/Sr High School				
Owen Campbell				
Trenton Allen	8	Hydrolysis: Fueling The Future	GP08	Room 235
Maggie Gilman	7	Bristlebots	GP14	Room 171
Hunter Grela	7	Bristlebots	GP14	Room 171
Josh Guadette	7	The Best Material for a Parachute	GP16	Room 171
Tate Hurd	8	Hydrolysis: Fueling The Future	GP08	Room 235
Emily McMullen	8	Text vs. Audio Comprehension		Room 145
Ben Meagher	8	Programming Language Efficiency	GP13	Room 171
Vincent Moeykens	8	Programming Language Efficiency	GP13	Room 171
Lysle Nelson	8	Text vs. Audio Comprehension		Room 145
RylandRichardson	7	The Best Material for a Parachute	GP16	Room 171