

# 2006 Twin Cities Regional Science Fair Awards

	Project #	First Name	Last Name	Grade	Title	Affiliation
<b>ISEF-Indianapolis, IN, May 7-13, 2006</b>						
<b>Finalists</b>						
Twin Cities	1013	Jenna	Johnson	11	Cerebral Dominance and Possible Academic Correlation	T
	1094	Andrea	Jensen	11	Effectiveness of Chloramine in Municipal Water Distribution Systems	T
St. Paul	1121	Daniel	Zheng	11	Mathematical Modeling of Smoking Effect on Down Syndrome	S
Western Suburbs	1068	Matthew	Weiss	11	Synthesis Of Oxadiazole Derivatives For Use In Supramolecular Assembly	W
	1048	Katherine	Shaeffer	12	Effect Of Ferric Uptake Regulatory Protein On The Transcription Of Gene	W
<b>Alternates</b>						
Twin Cities	1106	John	Clifford	10	Population Models of a Three Variable Predator-Prey System	T
	1114	Jennifer	Kieffaber	11	Asthmatics, Lung Capacities and High Endurance Sports	T
St. Paul (Team)	1163	Isaac	Flath	10	Saw Dust in the Wind	S
	1163	Pang Ter	Her	10	Saw Dust in the Wind	S
Western Suburbs	1101	Kyra	Underbakke	10	Investigating the Allelopathic Inhibitory Potential of Aloe vera	W
	1084	Matthew	Trusheim	12	The Optical Waveguide: Year Two Of An Ongoing Study	W
<b>Sponsors Awards: Winners must be present at the awards ceremony.</b>						
<b><i>Bronze Level-Ribbon</i></b>						
General E.W. Rawlings Chapter, Air Force Association:	6021	Chris	Weatherly	6	Hover Hijinks	S
Shurgard Storage	7087	Elaina	Hamann	7	Building Structures	T

Slattery Sales Group	6028	BrandonFluegge	6	Has Your Dog Licked You Today	S
----------------------	------	----------------	---	-------------------------------	---

**Silver-Plaque**

Alliant Techsystems	1134	DavidBurkhardt	9	May the Magnetic Force Be With You	W
---------------------	------	----------------	---	------------------------------------	---

Ecolab	1158	PhilSegal	9	Earthworm Behavior In Rain	W
--------	------	-----------	---	----------------------------	---

St. Paul Youth Fund	1121	DanielZheng	11	Mathematical Modeling of Smoking Effect on Down Syndrome	S
---------------------	------	-------------	----	--	---

Midway Party Rental	1020	JaredMiller	10	Learning in the Age of Computers	W
---------------------	------	-------------	----	----------------------------------	---

Twin Cities Catering	1061	AllisonBerquist	10	Can Baking Ingredients Affect the Size of a Loaf of Bread?	T
----------------------	------	-----------------	----	--	---

**Gold-Plaque**

University of MN	1011	AlliyGuyn	9	Dancin 'n' Dreamin	W
------------------	------	-----------	---	--------------------	---

The Medtronic Foundation	1045	BrandonLew	11	Perbenzoylation Of Carbohydrates In Preparation For Anthocyanin Characterization	W
--------------------------	------	------------	----	--	---

**Platinum-Plaque**

3M Foundation	1122	MichaelBlazar	12	Impact of Transforming Growth Factor-Beta Signaling	W
---------------	------	---------------	----	---	---

**Discovery Junior Science Competition:** Top students from 6, 7 and 8 grades are nominated to the next level of competition.

Sixth Grade	6022	MarinaKelly	6	Cool Cleaners	S
	6016	JenniferChmura	6	Electrical Current	S
	6026	AshleyDahly	6	How Clean Are Your Hands	W
	6032	JamesHartnett	6	Effects of Boat Hull Shape on the Speed of the Boat	S
	6007	ThomasThuente	6	Truth of Miracle Grow	S

Seventh Grade	7001	FrannieAubart	7	Is Blue Read?	T	
	7105	EricYoung	7	Aquatic Killers	T	
	7082	MorganDoyle	7	Gravity Mountain	T	
	7111	TylerRingstad	7	Magnets in Medium	T	
	7087	ElainaHamann	7	Building Structures	T	
	7031	HannahDe Vries	7	Get More Bang For Your Buck-Which Popcorn Is Best?	T	
	7043	JennyNguyen	7	H2O Purifyer	W	
	7094	CollinRandolph	7	How Does Temperature Affect the Output of a Solar Cell?	W	
	7075	AnnaMeyer	7	What is Pop Doing to My Teeth?	W	
	7008	AngieNordstrom	7	Does Gender Affect Eyewitness Reliability?	W	
	7063	EmilyBertram	7	It's Getting Hot in Here	W	
	7036	ShawnHalvorson	7	What Types Of Nuts Release The Most Energy When Burned?	S	
	7024	BrockPurtell	7	How Colored Light Affects Plant Growth	S	
	Eighth Grade	8031	PatrickBode	8	Passive Tuned Mass Dampers in High-rise Buildings	S
		8049	MackensieQuade	8	What are the Effects of the Calcium and Plaque Ion...	T
8005		HannahNauen	8	Attraction by Numbers	S	
8066		KatherineLabuza	8	Effect of Temperature & Humidity on Hard Candy Storage	T	
8017		AndrewGrimes	8	Graffiti Removal	T	
8057		RobinOlson	8	Are We Building Better Bugs?	S	
8075		CassieLopez	8	Leeches' Preference in Corners	S	
8001		MaraChin-Purcell	8	Does Your Age Affect Your Age Perception of Others?	S	
8015		LucasGabrielson	8	Fermentation	S	
8054		KristinBrintnell	8	Is Your Home Completely Clean?	S	

**Minnesota Academy of Science State Fair-Projects selected to represent our region in competition in St. Paul April 2-4, 2006**

High School	1013	JennaJohnson	11	Cerebral Dominance and Possible Academic Correlation	T
	1004	KatyCombs	9	Advertisement: Color vs. Black & White	W
	1020	JaredMiller	10	Learning in the Age of Computers	W
	1023	MaxPerkins	9	Learning Style vs. Grades In School	W
	1036	ClaireWeiss	10	Music & Our Memory	T
	1029	EmmaSandstrom	9	How Does Music Affect Our Memory-Reading Comprehension?	W

1048	Katherine Shaeffer	12	Effect Of Ferric Uptake Regulatory Protein On The Transcription Of Gene	W
1034	Nic Valley	11	Manifestation of Self-Handicapping in Grades 3-6	T
1056	Adrienne Sherman	10	Herbicide & Insecticide Interactions in the Genus Mentha	T
1016	Vanessa Kemp	11	Cellular Phone Conversation's Effect on a Teenager's Reaction Time	T
1008	Ashley Erickson	11	Divorce & Gender: Psychological Effects on HS Students	T
1068	Matthew Weiss	11	Synthesis Of Oxadiazole Derivatives For Use In Supramolecular Assembly	W
1042	Michelle Hackner	12	Analysis Of PsbS Levels In Response To Environmental Stress	W
1101	Kyra Underbakke	10	Investigating the Allelopathic Inhibitory Potential of Aloe vera	W
1149	Anthony Retica	9	Check-Go	W
1156	Meredith Blank	12	Lethal and Sub-lethal Effects of Resmethrin on Nontargeted Species	W
1122	Michael Blazar	12	Impact of Transforming Growth Factor-Beta Signaling	W
1066	Lillian Nordahl	12	Synthesis Of Biologically Active Thiadiazole Analogs	W
1164	Daniel Geoffrion	12	Effects Of Anesthesia, Breathing Rate, Temperature & Electrode Position On Muscles	W
1076	Eric Nycklemoe	9	Black Holes: A Fatal Attraction	W
1114	Jennifer Kieffaber	11	Asthmatics, Lung Capacities and High Endurance Sports	T
1134	David Burkhardt	9	May the Magnetic Force Be With You	W
1102	Anne Bergen	11	Effect of UVC Radiation on Nitrogen Fixation in Leguminous Plants	T
1071	Conor Doherty	9	Effects of Traffic Light Variation on the Flow of Traffic	W
1106	John Clifford	10	Population Models of a Three Variable Predator-Prey System	T
1133	Jordan Wong	11	Comparison of the Ability of Coniferous and Deciduous Tree Bark...	T
1121	Daniel Zheng	11	Mathematical Modeling of Smoking Effect on Down Syndrome	S
1115	Kerry Kraemer	11	Dose Related Effect of Caffeine on Nuctenea Cornuta Web Creation	T

## Grade 8

1061	AllisonBerquist	10	Can Baking Ingredients Affect the Size of a Loaf of Bread?	T
1160	StephanieWilson	9	Organic vs. Non-Organic Feed in Chickens	W
1163	IsaacFlath	10	Saw Dust in the Wind	S
1163	Pang TerHer	10	Saw Dust in the Wind	S
1145	AdamLapp	9	Effect Of Various Temperatures & PSI On A Soccer Ball	W
1045	BrandonLew	11	Perbenzoylation Of Carbohydrates In Preparation For Anthocyanin Characterization	W
1094	AndreaJensen	11	Effectiveness of Chloramine in Municipal Water Distribution Systems	T
1084	MatthewTrusheim	12	The Optical Waveguide: Year Two Of An Ongoing Study	W
8031	PatrickBode	8	Passive Tuned Mass Dampers in High-rise Buildings	S
8049	MackensieQuade	8	What are the Effects of the Calcium and Plaque Ion...	T
8066	KatherineLabuza	8	Effect of Temperature & Humidity on Hard Candy Storage	T
8005	HannahNauen	8	Attraction By Numbers	S
8039	TiffanieStone	8	Gone Fishing	S
8017	AndrewGrimes	8	Graffiti Removal	T
8057	RobinOlson	8	Are We Building Better Bugs?	S
8075	CassieLopez	8	Leeches' Preference in Corners	S
8001	MaraChin-Purcell	8	Does Your Age Affect Your Age Perception Of Others?	S
8015	LucasGabrielson	8	Fermentation	S
8054	KristinBrintnell	8	Is Your Home Completely Clean?	S
8063	JohnEwald	8	Temperature & Baseballs	T
8071	MichaelSchaefer	8	Trajectory	S
8046	ParkerHoffman	8	Determining Geographic Descent by Human Femoral Morphology	S

## Grade 7

8011	Brittany Astrup	8	Teeth Whiteners	S
8042	Lauren Berger	8	Effects Of Caffeine & Exercise On People With Various Body Mass	S
8004	Chandini Nair	8	Does Caffeine Affect Short-Term Memory?	S
8070	Kelly Rexon	8	Physics of Dance	T
8085	Ashley Proffitt	8	What Soap Works Best?	T
8085	Jacqueline Ugarte	8	What Soap Works Best?	T
8027	Noelle Roden	8	Polishing Affect on Agates and Rocks	T
8080	Kelsey Lynch	8	How Would Kool-Aid Color Affect the Color Of A White Flower?	T
8080	Stephanie Noyed	8	How Would Kool-Aid Color Affect the Color Of A White Flower?	T
8025	Emilie Scott	8	How Does Changing Ingredients Affect the Results of Chocolate...	T
7001	Frannie Aubart	7	Is Blue Read?	T
7105	Eric Young	7	Aquatic Killers	T
7082	Morgan Doyle	7	Gravity Mountain	T
7111	Tyler Ringstad	7	Magnets in Medium	T
7087	Elaina Hamann	7	Building Structures	T
7031	Hannah De Vries	7	Get More Bang For Your Buck-Which Popcorn Is Best?	T
7043	Jenny Nguyen	7	H2O Purifyer	W
7094	Collin Randolph	7	How Does Temperature Affect the Output of a Solar Cell?	W
7057	Rachel Lee	7	Effect Of Buttresses On a Structure's Strength	S
7008	Angie Nordstrom	7	Does Gender Affect Eyewitness Reliability?	W
7095	Marcie Ratliff	7	Simple Pendelum: Or Is It Quite So Simple?	W
7063	Emily Bertram	7	It's Getting Hot in Here	W

7036	ShawnHalvorson	7	What Types Of Nuts Release The Most Energy When Burned?	S
7024	BrockPurtell	7	How Colored Light Affects Plant Growth	S
7038	PrestonHowell	7	Melt-Down	W
7050	MattHughes	7	Solar Energy	T
7065	MadelineKoppendrayer	7	World of Worms	W
7079	TsengYang	7	Cinnamon In Apple Juice vs. Pasteurizing Apple Juice?	S
7026	MauraWilliams-Freier	7	Best Fertilizer	S
7009	CatherinePlante	7	Dog Intelligence	T
7075	AnnaMeyer	7	What is Pop Doing to My Teeth?	W
7034	JoeGagnon	7	Effects of Washing on Fire Resistant Clothing	S
7073	ClaireMcGlaue	7	Why Do Fingers Wrinkle in the Bathtub?	S
7091	NickPaidosh	7	Galvanic Corrosion	T
7052	MatthewBuechler	7	Effect of the Design of Storm Sewer Inlets	S
7004	EricHanson	7	Does Chewing Gum Affect Memory & Concentration?	T
7114	JuliaEnnen	7	Copper	T
7019	EllenGeorges	7	Ways for More Daisy Days	T
7041	JustinMiller	7	How Do Water Additives Affect Heat Retention?	S
7045	JakeStafford	7	Carpet Stain Removers	T
7058	CodyLindeman	7	Choosing Siding	T
7020	KateGrogan	7	Drying Flowers	S

**Research Paper** Selected for competition at the Tri-State Junior Science and Humanities Symposium April 1-3, 2006

Senior High

P-109

SteveMarquardt

11 Debussy: A Mathematical Analysis

T

P-110	JeffMarquardt	11	Resonant Fifths	T
P-111	JordanWong	11	Inhibition of <i>Escherichia coli</i> in Coniferous & Deciduous Tree Bark	T
P-112	HeidiLiu	11	Interaction Between Game Theory & Cognitive Neuroscience	W

**Research Paper Selected for Competition at the MAS State Fair**

Junior Division

P-20	RachelLee	7	Effect Of Buttresses On a Structure's Strength	S
P-21	MatthewBuechler	7	Effect of the Design of Storm Sewer Inlets	S
P-18	SteveMantell	8	Hot Pucks	S
P-10	JohnHanton	8	Fastest Environment to Develop Mold	T
P-09	MackensieQuade	8	What are the Effects of the Calcium and Plaque Ion...	T
P-08	KatherineLabuza	7	Effect of Temperature & Humidity on Hard Candy Storage	T

**Project Medalist-Outstanding projects in Cateogry**

6002	TaraMorgan	6	Are Brand Name Sodas Really Better?	S
6003	ErikaNordquist	6	Foxfire & Cold Light	T
6007	ThomasThuente	6	Truth of Miracle Grow	S
6012	MichaelRosenberg	6	Candles	T
6015	ElizabethKlaesges	6	Magnetism	T
6016	JenniferChmura	6	Electrical Current	S
6022	MarinaKelly	6	Cool cleaners	S
6023	LarsBerg	6	Oil Spills	S
6032	JamesHartnett	6	Effects of Boat Hull Shape on the Speed of the Boat	S
7001	FrannieAubart	7	Is Blue Read?	T
7082	MorganDoyle	7	Gravity Mountain	T
7105	EricYoung	7	Aquatic Killers	T
7111	TylerRingstad	7	Magnets in Medium	T
7111	ChristosRobertson	7	Magnets in Medium	T

**Research Paper Trophies - Junior High**

1st Place - Junior High

2nd Place - Junior High

P-10	KatherineLabuza	8	Influence of Temperature & Humidity on Hard Candy
P-13	LukeStone	6	What Grass Do I Plant After the Salt Truck Comes?



3rd Place - Junior High	P-09	MacKensieQuade	8	Effects of Calcium & Phosphate Ions on Tooth Demineralization	
-------------------------	------	----------------	---	---	--

**Research Paper Trophies - Senior High**

1st Place - Senior High	P-110	JeffMarquardt	11	Resonant Fifths	
2nd Place - Senior High	P-111	JordanWong	11	Inhibition of <i>Escherichia coli</i> in Coniferous & Deciduous Tree Bark	
3rd Place - Senior High	p-109	StevenMarquardt	11	Debussy: A Mathematical Analysis	

**Minnesota Chapter of the American Fisheries Society: Certificate--Presenter Brian**

Senior High	1156	MeredithBlank	12	Lethal and Sub-lethal Effects of Resmethrin on Nontargeted Species	W
Junior High	7105	EricYoung	7	Aquatic Killers	T

**Hennepin Medical Society Alliance: Certificate and \$50 Savings Bond**

Senior High	1109	CarissaBailey	11	Effect of Pets on High School Students	T
Junior High	8044	ChristyFang	8	How Many Grams Can Hair Hold?	S

**Associate of Women Geoscientists:**

*Certificate to female whose project exemplifies high standards of innovativeness and scientific excellence in geosciences.*

Twin Cities	1094	AndreaJensen	11	Effectiveness of Chloramine in Municipal Water Distribution Systems	T
Western Suburbs	1092	EmilyFitch	9	Effects of Horse Manure on Soil Chemistry	W

**University of MN Department of Rhetoric: T-shirt, lanyard, book**

	1133	JordanWong	11	Comparison of the Ability of Coniferous and Deciduous Tree Bark...	T
--	------	------------	----	--	---

**National Oceanic and Atmospheric Administration:**

*Certificate to student whose project helps understand and predict the changes in the Earth's environment*

Twin Cities	1094	AndreaJensen	11	Effectiveness of Chloramine in Municipal Water Distribution Systems	T
St. Paul	8035	SebastianGreider	8	How Does Weather Affect Traffic Density In The Twin Cities?	S
Western Suburbs	1095	SteveKannenber	9	Wonderous World Of Water Quality	W

**US Department of Health & Human Services:**

*Certificate to the students who creatively illustrate and expand on healthy lifestyles, healthy diets and no tobacco use.*

Twin Cities	1115	KerryKraemer	11	Dose Related Effect of Caffeine on Nuctenea Cornuta Web Creation	T
St. Paul	1121	DanielZheng	11	Mathematical Modeling of Smoking Effect on Down Syndrome	S
Western Suburbs	1122	MichaelBlazar	12	Impact of Transforming Growth Factor-Beta Signaling	W

**East Side Science Club Alumni Awards:**

*Medals are presented to outstanding youths that demonstrate innovation and creativeness in project development.*

	6028	BrandonFluegge	6	Has Your Dog Licked You Today	S
	7004	EricHanson	7	Does Chewing Gum Affect Memory & Concentration?	T
	7007	NicholasNoethe	7	What It's Like to Have A.D.D.	W

6032	James Hartnett	6	Effects of Boat Hull Shape on the Speed of the Boat	S
8031	Patrick Bode	8	Passive Tuned Mass Dampers in High-rise Buildings	S
8066	Katherine Labuza	8	Effect of Temperature & Humidity on Hard Candy Storage	T
8020	Eleanor Lockman	8	Capturing Wild Yeast: The Baking of Sourdough Bread	T
7101	Elizabeth Beck	7	Will Cows Produce More Milk After Exposure to Music?	T
6007	Thomas Thuente	6	Truth of Miracle Grow	S

#### Mu Alpha Theta

*Certificate awarded to students demonstrating the most challenging, original, thorough and creative investigation of a problem involving modern mathematics.*

Twin Cities	1106	John Clifford	10	Population Models of a Three Variable Predator-Prey System	T
St. Paul	1121	Daniel Zheng	11	Mathematical Modeling of Smoking Effect on Down Syndrome	S

#### Ricoh Sustainable Development Award;

Twin Cities	1104	Anders Engberg	10	Level of Pollution in Metro Lakes	T
Western Suburbs	1066	Lillian Nordahl	12	Synthesis Of Biologically Active Thiadiazole Analogs	W

#### American Meteorological Society:

*Certificates for outstanding achievements in Meteorological Science*

St. Paul	8035	SebastianGreider	8	How Does Weather Affect Traffic Density In The Twin Cities?	S
	8029	Mary Scott	8	Venturi Effect in the Downtown Twin Cities	S
Twin Cities	1086	MikkiO'Leary	11	Effects of Weather on Residential Buildings	T
Western Suburbs	7063	EmilyBertram	7	It's Getting Hot in Here	W
	1091	MadelineEpping	9	Water pH Level & Temperature Correlation	W
	7066	ChristinaKosters	7	Hail vs. House	W

**US Metric Association:**

***Certificate to the student whose project involves a significant amount of quantitative measurement and which best uses the metric system.***

Twin Cities	1115	Kerry Kraemer	11	Dose Related Effect of Caffeine on Nuctenea Cornuta Web Creation	T
St. Paul	1163	Isaac Flath	10	Saw Dust in the Wind	S
	1163	Pang TerHer	10	Saw Dust in the Wind	S
Western Suburbs	1101	KyraUnderbakke	10	Investigating the Allelopathic Inhibitory Potential of Aloe vera	W

**ASM Materials Education Foundation:**

***Medallion (In the mail) and Certificate recognizing the best materials engineering project***

Western Suburbs	1068	MatthewWeiss	11	Synthesis Of Oxadiazole Derivatives For Use In Supramolecular Assembly	W
-----------------	------	--------------	----	--	---

**Intel Excellence in Computer Science Award**

***Certificate and \$200 CHECK IN THE MAIL***

Twin Cities	1106	JohnClifford	10	Population Models of a Three Variable Predator-Prey System	T
-------------	------	--------------	----	--	---

St. Paul	8035	SebastianGreider	8	How Does Weather Affect Traffic Density In The Twin Cities?	S
Western Suburbs	1071	ConorDoherty	9	Effects of Traffic Light Variation on the Flow of Traffic	W

**American Psychology Association: Certificate**

Twin Cities	1012	MaiseeHeurh	9	Memory	S
St. Paul	1008	AshleyErickson	11	Divorce & Gender: Psychological Effects on HS Students	T
Western Suburbs	1020	JaredMiller	10	Learning in the Age of Computers	W

**US Stockholm Junior Water Prize:  
Certificate and folder.**

Twin Cities	1094	AndreaJensen	11	Effectiveness of Chloramine in Municipal Water Distribution Systems	T
Western Suburbs	1095	SteveKannenberg	9	Wonderous World Of Water Quality	W

**American Council of Engineering Companies of MN Top student receives TI calculator**

Grand Award	1085	CatherineWatkins	9	Ringnom Engine	W
	6016	JenniferChmura	6	Electrical Current	S
	6019	JoshuaBrinkman	6	Effect of Counterweight Configuration on Trebuchet Throwing Range	T
	7052	MatthewBuechler	7	Effect of the Design of Storm Sewer Inlets	S
	7056	MartinLange	7	Static Electricity	T
	8031	PatrickBode	8	Passive Tuned Mass Dampers in High-rise Buildings	S

8034	HopeMcCullough	8	Is There Anything Stronger than the Arch?	T
1086	MikkiO'Leary	11	Effects of Weather on Residential Buildings	T
1095	SteveKannenber	9	Wonderous World Of Water Quality	W

**International Society for Optical Engineering:**

***Certificate and opportunity for \$100 and other prizes if they complete and send in their paperwork.***

Twin Cities	1112	EricHe	9	Electrical Source Imaging from Noninvasive Brain Waves	T
Western Suburbs	1084	MatthewTrusheim	12	The Optical Waveguide: Year Two Of An Ongoing Study	W

**Yale Science and Engineering Association:**

***Certificate and Medallion in the mail. Excellent project in Computer science, Physics or Chemistry Category by an 11th grader.***

Twin Cities	1114	JenniferKieffaber	11	Asthmatics, Lung Capacities and High Endurance Sports	T
St. Paul	1121	DanielZheng	11	Mathematical Modeling of Smoking Effect on Down Syndrome	S
Western Suburbs	1110	AndrewBergk	11	Nanotechnology: Quantum Dots	W

**ISEF Alumni Awards**

Sponsor: Timara Underbakke

\$25 and a certificate	8039	TiffanieStone	8	Gone Fishing	S
\$25 and a certificate	8017	AndrewGrimes	8	Graffiti Removal	T
science medal keychain	8062	BenjaminDutcher	8	HCl & Bubbles	S
science medal keychain	8019	RachelKeller	8	Which Chemical Has the Highest Increase In Temperature?	S

Sponsor: Michael Lohman

Crystal growth kit	1158	PhilSegal	9	Earthworm Behavior In Rain	W
--------------------	------	-----------	---	----------------------------	---

**Minnesota Agriculture in the Classroom:**

Project	7079	TsengYang	7	Cinnamon In Apple Juice vs. Pasteurizing Apple Juice?	S
Project	1056	AdrienneSherman	10	Herbicide & Insecticide Interactions in the Genus Mentha	T
Project	8083	TomPane	8	Effects of Water Erosion on Different Types of Soils	S
Paper	1042	MichelleHackner	12	Analysis Of PsbS Levels In Response To Environmental Stress	W

**USDA Agriculture Research Service: Books related to the area of study**

6006	LukeStone	6	What Grass Do I Plant After The Salt Truck Comes?	T
6041	SamJohnson	6	The Planty Way	S
6041	DavidLund	6	The Planty Way	S
7065	MadelineKoppendrayer	7	World of Worms	W
7024	BrockPurtell	7	How Colored Light Affects Plant Growth	S
1091	MadelineEpping	9	Water pH Level & Temperature Correlation	W
1156	MeredithBlank	12	Lethal and Sub-lethal Effects of Resmethrin on Nontargeted Species	W
1042	MichelleHackner	12	Analysis Of PsbS Levels In Response To Environmental Stress	W

**Minnesota Astronomical Society: Certificate and Prize package**

7049	AliColburn	7	More Twinkle: Windy of Still Night?	W
1076	EricNycklemoe	9	Black Holes: A Fatal Attraction	W
1147	KatieMiller	11	Temperature of a Star and the Frequency of a Musical Pitch	T
7051	ShahrazadNegeye	7	What are Sunspots?	S

**Minnesota Space Frontier Society: Certificate and Prize package**

6013	JeffreyBissoy-Mattis	6	Can a Rocket Fly With Baking Soda & Vinegar	T
------	----------------------	---	---	---

6014	JulianSeine	6	What Paper Airplane Flies Best	S
7053	PeterHarkema	7	5-4-3: Which Will It Be?	W
7060	JacobOkerland	7	Hummingbirds and Helicopters	T
7080	ChloeAdams	7	How Do Gliders Fly?	T
7084	DanielGrady	7	3-2-1 Blast Off!	W
8060	JonathanChavez	8	Does the Shape of a Rocket's Nose Cone Effect the...	T
1150	NicholasReynolds	9	What Does the Ideal Nose Look Like?	W

**TCRSF: Team Awards**

6041	DavidLund	6	The Planty Way	S
6041	SamJohnson	6	The Planty Way	S
7111	TylerRingstad	7	Magnets in Medium	T
7111	ChristosRobert	7	Magnets in Medium	T
8080	KelseyLynch	8	How Would Kool-Aid Color Affect The Color Of A White Flower?	T
8080	StephanieNoyed	8	How Would Kool-Aid Color Affect The Color Of A White Flower?	T
1164	DanielGeoffrion	12	Effects Of Anesthesia, Breathing Rate, Temperature & Electrode Position On Muscles	W
1164	AndrewMcCullough	12	Effects Of Anesthesia, Breathing Rate, Temperature & Electrode Position On Muscles	W

**Glen Domeier Memorial Award:**

***\$50, Compass and use book to project that best demonstrates excellence in environmental science.***

1101	KyraUnderbakke	10	Investigating the Allelopathic Inhibitory Potential of Aloe vera	W
8039	TiffanieStone	8	Gone Fishing	S

**Killeen Memorial Award: Trophy to the student who best shows inspiration for their project.**



6022	MarinaKelly	6	Cool cleaners	S
------	-------------	---	---------------	---

**US ARMY**

St. Paul	1121	DanielZheng	11	Mathematical Modeling of Smoking Effect on Down Syndrome	S
	1163	IsaacFlath	10	Saw Dust in the Wind	S
	1163	Pang TerHer	10	Saw Dust in the Wind	S
	1161	JessicaArmstrong	9	Burn Baby Burn	S
	1161	StephanieKing	9	Burn Baby Burn	S
Twin Cities	1128	NateDurand	10	Effects of Salt on Escherchia coli	T
	1130	Elliot Post	11	Effects of Light on Dinoflagellates and their Bioluminescence	T
	1084	MatthewTrusheim	12	The Optical Waveguide: Year Two Of An Ongoing Study	W
	1056	AdrienneSherman	10	Herbicide & Insecticide Interactions in the Genus Mentha	T
	1054	MichaelSakowski	11	Effects of Phosphorescence on Plant Growth	T
Western Suburbs	1156	MeredithBlank	12	Lethal and Sub-lethal Effects of Resmethrin on Nontargeted Species	W
	1164	DanielGeoffrion	12	Effects Of Anesthesia, Breathing Rate, Temperature & Electrode Position On Muscles	W
	1164	AndrewMcCullough	12	Effects Of Anesthesia, Breathing Rate, Temperature & Electrode Position On Muscles	W
	1048	KatherineShaeffer	12	Effect Of Ferric Uptake Regulatory Protein On The Transcription Of Gene	W
	1045	BrandonLew	11	Perbenzoylation Of Carbohydrates In Preparation For Anthocyanin Characterization	W

**US Navy/US Marine Corps:  
Certificate and an award.  
Senior High**

Twin Cities	1086	MikkiO'Leary	11	Effects of Weather on Residential Buildings	T
	1057	LeslieSink	11	Disaster After the Hurricane	T
	1124	SamanthaEbertowski	11	Caffeine: Is there a Placebo Effect in Relation to Heart Rate	T

St. Paul	Team	1163	Isaac Flath	10	Saw Dust in the Wind	S
		1163	Pang TerHer	10	Saw Dust in the Wind	S
	Team	1162	James Benjamin	9	Fastest Skateboard Bearing	S
		1162	Jose Navarro	10	Fastest Skateboard Bearing	S
		1162	Rony Valle Mejia	9	Fastest Skateboard Bearing	S
Western Suburbs		1134	David Burkhardt	9	May the Magnetic Force Be With You	W
		1042	Michelle Hackner	12	Analysis Of PsbS Levels In Response To Environmental Stress	W
		1146	Andrew Matson	9	Temperature & Its Effects On Levitating Magnets	W
<b>Junior High</b>						
Twin Cities		7105	Eric Young	7	Aquatic Killers	T
		8069	Doug Nordquist	8	Doppler Effect	T
		6006	Luke Stone	6	What Grass Do I Plant After The Salt Truck Comes?	T
St. Paul		6032	James Hartnett	6	Effects of Boat Hull Shape on the Speed of the Boat	S
		7052	Matthew Buechler	7	Effect of the Design of Storm Sewer Inlets	S
		7034	Joe Gagnon	7	Effects of Washing on Fire Resistant Clothing	S
Western Suburbs		7087	Elaina Hamann	7	Building Structures	T
		7098	William Warmka	7	Does Sugar Amount Affect Speed of Light in Gelatin?	W
		7015	Anna Burnham	7	Go Bananas: Ripening Bananas	T
		6033	Kate Rexon	6	Buoyancy: Why Boats Float	W

**Herbert Hoover Young Engineer Award:**

***Certificate and Medal to the project which best demonstrates outstanding engineering effort.***

Twin Cities	1056	Adrienne Sherman	10	Herbicide & Insecticide Interactions in the Genus Mentha	T
St. Paul	1081	Koua Her	9	Which Beam Design is the Strongest?	S
Western Suburbs	1085	Catherine Watkins	9	Ringnom Engine	W

**US Air Force: Certificate**

8060	Jonathan Chavez	8	Does the Shape of a Rocket's Nose Cone Effect the...	T
1118	Charlie Newcomb	9	Pain Killers	W
1075	Nicole Janssen	9	Tsunami Tank	W
1076	Eric Nycklemoe	9	Black Holes: A Fatal Attraction	W

**National Society of Professional Engineers**

*Certificate, lapel pin and subscription to Engineering Times to the most outstanding engineering project.*

Twin Cities	1088	Jessica Wagner	11	Differences in Flex Rating for Pole Vault Poles	T
St. Paul	8031	Patrick Bode	8	Passive Tuned Mass Dampers in High-rise Buildings	S
Western Suburbs	1085	Catherine Watkins	9	Ringnom Engine	W

**Arnold Air Society, Air Force ROTC:**

Coin, T-Shirt, card	1150	Nicholas Reynolds	9	What Does the Ideal Nose Look Like?	W
Coin and card	7080	Chloe Adams	7	How Do Gliders Fly?	T

**"Almost Perfect" Awards:** Trophies to teachers who have consistently submitted "almost perfect"

Brian Stock	Blessed Trinity School
Elizabeth Bortke	Cyber Village Academy

**New Teacher Book Award:** "Nuts and Bolts"

Dane Bonath	St. Charles Borromeo
-------------	----------------------

**Science Museum of Minnesota*****Two tickets with Ominitheater***

#1	6014	JulianSeine	6	What Paper Airplane Flies Best	S
#2	6010	ErinScallen	6	Got Juice?	S
#3	7041	JustinMiller	7	How Do Water Additives Affect Heat Retention?	S
#4	6005	PatrickMcQuillan	6	Here's a Corny Question!	S

**Mn Sanofi-Aventis BioGENEus Challenge**

2 Certificates and a chance to advance to higher level competition

#1	1122	MichaelBlazar	12	Impact of Transforming Growth Factor-Beta Signaling	W
#2	1066	LillianNordahl	12	Synthesis Of Biologically Active Thiadiazole Analogs	W

**Just For Fun Awards: Must be present to win**

#1	1118	CharlieNewcomb	9	Pain Killers	W
#2	1106	JohnClifford	10	Population Models of a Three Variable Predator-Prey System	T
#3	7077	LindseyOawster	7	Drugs & Their Effects	T
#4	8009	TonyPiechowski	8	Breakfast vs. Grades	T
#5	1125	TylerBarnes	0	Bacteria in Hockey Equipment	T
#6	8001	MaraChin-Purcell	8	Does Your Age Affect Your Age Perception Of Others?	S
#7	7003	TonyGrundtner	7	Name That Color	T
#8	1100	JustinThill	10	Erosion Control	W
#9	6001	LilyEisenthal	6	Does Age or Gender Affect the Ability to Remember?	S
#10	8064	KathrynGentner	8	Speed-o?	T
#11	1132	AlexandraSalzer	9	How Tobacco Affects The Daphnia's Heart Rate	W
#12	6013	JeffreyBissoy-Mattis	6	Can a Rocket Fly With Baking Soda & Vinegar	T
#13	7108	CaitlynWellner	7	Sports vs. Grades	T
#14	7108	MichelleWoods	7	Sports vs. Grades	T
#15	8033	LukeMarshall	8	Rise of the Hovercraft	S
	1122	MichaelBlazar	12	Impact of Transforming Growth Factor-Beta Signaling	W

	1066	LillianNordahl	12	Synthesis Of Biologically Active Thiadiazole Analogs	W
<b>#23 Pointers P&amp;P</b>	1022	KatelynOlson	10	Influence of Music on Memory	T
#24	1101	KyraUnderbakke	10	Investigating the Allelopathic Inhibitory Potential of Aloe vera	W
#25	1114	JenniferKieffaber	11	Asthmatics, Lung Capacities and High Endurance Sports	T
#26	1118	CharlieNewcomb	9	Pain Killers	W
#27	1132	AlexandraSalzer	9	How Tobacco Affects The Daphnia's Heart Rate	W
#28	1012	MaiseeHeurh	9	Memory	S
#29	1035	KaoNueVue	9	Pepsi vs. Coca-Cola	S

**Attention to Detail & Communication Award**

	1020	JaredMiller	10	Learning in the Age of Computers	W
--	------	-------------	----	----------------------------------	---

**Outstanding Volunteerism Award:** 2006 Medal for plaque  
USS Nokomis Group

**Special Thanks to Retiring Committee Members** Sue Zenk and Karin Ostrand for *countless hours, days, and years* of service at TCRSF!  
Look for special awards honoring Sue Zenk and Karin Ostrand at TCRSF 2007.