

## Science Fair & JSHS 2012 Award Recipients

### 3M Foundation

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
3M Innovation Award	1st Place High School	Wolf	Joshua	<i>Shocking Lipid Production Abstract</i>	3	2014	Elk River Area High School	Male	Elk River	1st
3M Innovation Award	2nd Place High School	Hamann	Felicia	<i>Producing Water Out of Thin Air Abstract</i>	1	2013	St. Anthony Village Sr. High School	Female	Columbia Heights	1st
3M Innovation Award	1st Place Middle School	Howe	Savannah	<i>The Circle of Energy: Harnessing the Power Abstract</i>	6	2016	La Crescent Middle School		La Crescent	1st
3M Innovation Award	2nd Place Middle School	Corradi	Anna	<i>Science You Will Flip For! Abstract</i>	2	2017	Bemidji Middle School	Female	Bemidji	1st

### American Association for the Advancement of Science (AAAS)

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
AAAS Award	AAAS Award	Weiss	Samuel						
				Twin Cities	11	Edina High School	Male	Edina	3rd
AAAS Award	AAAS Award	Weis	Rena						
				South Central, Southwest	11	New Prague Senior High School		Elko-New Market	1st
AAAS Award	AAAS Award	Simpson	Claire						
				Twin Cities	10	Breck School, Minneapolis	Female	Hopkins	1st
AAAS Award	AAAS Award	Schoeneberger	Alphonse						
				Western	11	Perham Senior High School	Male	Vergas	1st
AAAS Award	AAAS Award	Rymlin	Jessica						
				Twin Cities	11	Breck School, Minneapolis	Female	Plymouth	1st
AAAS Award	AAAS Award	Morris	Katie						
				South Central, Southwest	11	New Prague Senior High School	Female	New Prague	2nd
AAAS Award	AAAS Award	Kloncz	Carissa						
				Twin Cities	12	Burnsville High School	Female	Burnsville	3rd
AAAS Award	AAAS Award	Keller	Ariel						
				South Central, Southwest	11	Alden	Female	Alden	3rd
AAAS Award	AAAS Award	Geesman	Thomas						
				South Central, Southwest	11	Alden	Male	Wells	3rd

AAAS Award	AAAS Award	Fu	Lisa		Rochester	9	John Marshall High School	Female	Rochester	3rd
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### Acoustical Society of America, Upper Midwest Chapter

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
Acoustical Society of America Excellence in Acoustics	1st Place Award	Ekblad	Ellie	9	2015	Century High School	Female	Rochester	3rd
Acoustical Society of America Excellence in Acoustics	2nd Place Award	Shen	Shelley	9	2013	Century High School	Female	Rochester	1st
Acoustical Society of America Excellence in Acoustics	Honorable Mention	Berkley	Luke	12	2016	St. Marys - Marian, Owatonna	Male	Owatonna	2nd

### MAS (MN Academy of Science)

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
AJAS 2011	2nd Runner Up	Lamirande	Alec	4	2013	Cloquet High School	Male	Cloquet	5th
		Jackson	Preston		2013	Cloquet High School	Male	Cloquet	5th
AJAS 2011	1st Runner Up	Green	Margaret	1	2012	Burnsville High School	Female	Burnsville	1st
		Landgraf	Laura		2012	Burnsville High School	Female	Burnsville	2nd
AJAS 2011	AJAS Award	Bhattacharya	Anushua	1	2012	East Ridge High School	Female	Woodbury	4th
AJAS 2011	3rd Runner Up	Johnson	Lila	12	2012	Austin High School	Female	Austin	6th

### American Association for Clinical Chemistry, Midwest Section

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
American Association for Clinical Chemistry Award	Best Sr. Hi related to Chemistry	Johnson	Cooper	3	2015	Champlin Park High School		Champlin	2nd

## American Chemical Society, Minnesota Section / ACS

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
American Chemical Society Award	1st Place High School	Moynan	Angela	4	2013	Cloquet High School	Female	Cloquet	4th
American Chemical Society Award	Honorable Mention High School	Bryant	Jackson	6	2014	Winona High School	Male	Winona	4th
American Chemical Society Award	Honorable Mention High School	Naidu	Partha	1	2012	Wayzata Senior High School	Male	Plymouth	1st
American Chemical Society Award	Honorable Mention High School	Breitenfeldt	Nathaniel	1	2012	Breck School, Minneapolis	Male	Plymouth	1st
American Chemical Society Award	1st Place Middle School	McCort	Alexis	4	2016	Woodland Middle School	Female	Duluth	1st
American Chemical Society Award	Honorable Mention Middle School	Jasperse	Molly	8	2016	Park Christian School	Female	Moorhead	2nd
American Chemical Society Award	Honorable Mention Middle School	Radtke	Tyler	1	2016	Oak Land Junior High	Male	Lakeland	2nd
American Chemical Society Award	Honorable Mention Middle School	Whaley	Mac	6	2016	Cotter junior High	Male	Rollingstone	1st

## American Meteorological Society

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
American Meteorological Society Award	AMS Award	Pallin	Madison	4	2015	Cloquet High School	Female	Cloquet	3rd

## American Psychological Association

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
American Psychological Association Award	APA Award	Lin	Albert	9	2016	Kellogg Middle School	Male	Rochester	1st
American Psychological Association Award	APA Award	Prince	Aris	1	2012	Breck School,	Female	Richfield	2nd

Association Award				Knowledge about and Sources Used to Find Information on Brain-related Conditions Abstract			Minneapolis			
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### American Fisheries Society (MN Chapter)

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
Aquatic Science Award of Excellence	AS Award of Excellence - High School	Bram	Alanna	9	2015	John Marshall High School	Female	Rochester	4th
Aquatic Science Award of Excellence	AS Award of Excellence - Middle School	Jensen	Marissa	4	2016	Holy Rosary School	Female	Duluth	2nd

### ASM Materials Education Foundation

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
ASM Materials Education Foundation Award	ASM Award	Naidu	Partha	1	2012	Wayzata Senior High School	Male	Plymouth	1st

### Association for Women Geoscientists

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
Association for Women Geoscientists Award	High School Award	Zippel	Savannah	12	2014	MN New Country School	Female	Le Sueur	3rd
Association for Women Geoscientists Award	Middle School Award	Howard	Teresa	12	2016	New Ulm Area Catholic School	Female	NEW ULM	2nd

### Beckman Coulter

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
Beckman Coulter Award	High School Award	Sawchuk	Ander	8	2014	Park Christian School	Male	Fargo	3rd
Beckman Coulter Award	High School Award	Pallin	Kendra	4	2013	Cloquet High School	Female	Cloquet	6th

				Sequencing of Genes Abstract						
Beckman Coulter Award	High School Award	Renier	Timothy	The Effects of a Multi-Factor Hand Hygiene Intervention on Hand Washing Effectiveness and on Absences of Elementary and Middle School Students Abstract	4	2015	East High School	Male	Duluth	3rd
Beckman Coulter Award	High School Award	Abegaz	Redeat	Effectiveness of Cisplatin, P. Mustard, and the Combination of the two as Chemotherapeutic Agents on NSCLC A549 Cells Abstract	1	2013	Burnsville High School	Female	Savage	2nd
		Nguyen	Quyên			2013	Burnsville High School	Female	Burnsville	2nd
Beckman Coulter Award	Middle School Award	Likar	Samantha	What are you eating? Abstract	4	2016	Woodland Middle School	Female	Duluth	1st
Beckman Coulter Award	Middle School Award	McCoy	Austin	Validating Mathematical Models of Embryonic Cell Growth and Inherited Traits Using Zebrafish Abstract	9	2018	Friedell Middle School	Male	Rochester	1st
Beckman Coulter Award	Middle School Award	Sather III	Richard	Acupressure: Myth or Fact for Improvement of Body Flexibility Abstract	2	2016	Franklin Middle School, Thief River Falls	Male	Thief River Falls	2nd
Beckman Coulter Award	Middle School Award	van Deursen	Willemijn	Bad Cell-Phone Connection Abstract	9	2016	Friedell Middle School	Female	Rochester	1st
Beckman Coulter Award	Middle School Award	Schroeder	Allison	Bone Enhancement in Zebrafish Abstract	9	2016	Lincoln K-8 Choice, Rochester	Female	Rochester	1st
Beckman Coulter Award	Middle School Award	Schabert	Morgan	To 'D' or Not To 'D'? Abstract	12	2016	Cathedral High School	Female	New Ulm	2nd

### Broadcom MASTERS (Math, Applied Science, Technology and Engineering for Rising Stars)

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Broadcom MASTERS Award	Winner	Spanier	Rory	Central	7	Sartell Middle School	Male	Sartell	1st
Broadcom MASTERS Award	Winner	Schatz	Eric	Central	7	Sartell Middle School	Male	Sartell	1st
Broadcom MASTERS Award	Winner	Neuman	Samuel	Central	7	Sartell Middle School	Male	Sartell	1st
Broadcom MASTERS Award	Winner	McCort	Alexis	Northeast	8	Woodland Middle School	Female	Duluth	1st
Broadcom MASTERS Award	Winner	Lorsung	Graham	Central	7	Sartell Middle School	Male	Sartell	1st
Broadcom MASTERS Award	Winner	Liang	Craig	Northeast	8	Woodland Middle School	Male	Duluth	1st
Broadcom MASTERS Award	Winner	Kaur	Harmanpreet	Rochester	6	Friedell Middle School		Rochester	1st

Broadcom MASTERS Award	Winner	Jensen	Marissa		Northeast	8	Holy Rosary School	Female	Duluth	2nd
Broadcom MASTERS Award	Winner	Govindarajan	Ishaan		Rochester	7	Friedell Middle School	Male	Rochester	1st
Broadcom MASTERS Award	Winner	Davis	Brooke		Northeast	8	Woodland Middle School	Female	Duluth	1st
Broadcom MASTERS Award	Winner	Betts	Sarah		Twin Cities	6	Our Lady Of Grace Catholic School	Female	Minneapolis	1st
Broadcom MASTERS Award	Winner	Berkley	Luke		South Central, Southwest	8	St. Marys - Marian, Owatonna	Male	Owatonna	2nd
Broadcom MASTERS Award	Winner	Banerjee	Neehar		Rochester	8	Friedell Middle School	Female	Rochester	1st
Broadcom MASTERS Award	Winner	Asirvatham	Roshini		Rochester	8	Friedell Middle School	Female	Rochester	2nd
Broadcom MASTERS Award	Winner	Amen	Annie		Twin Cities	7	Calvin Christian School	Female	Edina	1st

## College of St. Scholastica

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
College of St. Scholastica Creative Computing Award	Creative Computing Award	Roy	Cassandra	4	2013	Cloquet High School	Female	cloquet	4th
			<i>The development of a Cloud based methodology to share images of dicentric chromosomes and collect data for the use in an international collaboration for dose assessment in a radiation emergency. Abstract</i>						

## Ecolab Foundation

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
Ecolab Food Safety Award	High School Award	Bauer	Billy	4	2012	Cloquet High School	Male	Cloquet	6th
		Wood	Christian		2012	Cloquet High School	Male	Cloquet	2nd
Ecolab Food Safety Award	Middle School Award	Jons	Carolyn	1	2016	Central Middle School, Eden Prairie	Female	Eden Prairie	2nd
Ecolab Green Award	High School Award	Larson	Haleigh	8	2014	Park Christian School	Female	Fargo	2nd
			<i>Biodegradation: A Comparative Analysis of the Degradation of Hydrocarbons Using Acclimated</i>						

				Strains of <i>A. faecalis</i> and <i>B. cereus</i> . <a href="#">Abstract</a>						
Ecolab Green Award	Middle School Award	Scheller	Peter	Solar vs. Wind Energy <a href="#">Abstract</a>	3	2017	Jackson Middle School, Champlin	Male	Champlin	1st

## General Mills

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
General Mills Food & Nutrition Award	High School Food & Nutrition Award	Jiao	Yan (Annie)	Factors that affect the spread of food-borne multidrug-resistant <i>Escherichia coli</i> <a href="#">Abstract</a>	1	2012	Breck School, Minneapolis	Female	Eden Prairie	1st
General Mills Food & Nutrition Award	Middle School Food & Nutrition Award	Betts	Sarah	Memory Development and Myelin Growth <a href="#">Abstract</a>	1	2018	Our Lady Of Grace Catholic School	Female	Minneapolis	1st
General Mills Food-Based Social Change Award - Developing and Sharing Food Solutions	1st Place High School Award	Campeau	Michelle	Effect of Honey on Bacterial Biofilms <a href="#">Abstract</a>	9	2015	Mayo High School	Female	Rochester	3rd
General Mills Food-Based Social Change Award - Developing and Sharing Food Solutions	2nd Place High School Award	Chen	Emily	Low Cost Biosorbents: Heavy Metal Removal for the Purification of Water <a href="#">Abstract</a>	1	2014	Wayzata Senior High School	Female	PLYMOUTH	1st
General Mills Food-Based Social Change Award - Developing and Sharing Food Solutions	3rd Place High School Award	Bartz	Sean	An A-peel-ing Water Filter: Using Banana Peels In The Extraction of Copper From Water <a href="#">Abstract</a>	12	2012	Mayer Lutheran High School, Mayer MN	Male	Belle Plaine	1st
General Mills Food-Based Social Change Award - Developing and Sharing Food Solutions	4rd Place High School Award	Prchal	Brian	Maximize the Methane: An analysis of biomass additives meant to increase the production of biogas from cow manure <a href="#">Abstract</a>	12	2015	New Prague Senior High School	Male	Montgomery	3rd
General Mills Food-Based Social Change Award - Developing and Sharing Food Solutions	Middle School Award	Jons	Carolyn	The Effect of Oxygen Removal Treatments on the Mold Growth of Blueberries <a href="#">Abstract</a>	1	2016	Central Middle School, Eden Prairie	Female	Eden Prairie	2nd
General Mills Food-Based Social Change Award - Helping Families Make Nutritious Food Choices	1st Place High School Award	Vijayakar	Roshny	Food for Thought: Perinatal Iron Deficiency and the Brain <a href="#">Abstract</a>	1	2012	Breck School, Minneapolis	Female	Golden Valley	2nd
General Mills Food-Based Social Change	Middle School Award	Amen	Annie	Tomato Grafting: The Fruit of the Future <a href="#">Abstract</a>	1	2017	Calvin Christian School	Female	Edina	1st

Award - Helping Families Make Nutritious Food Choices										
General Mills Food-Based Social Change Award - Integrating Food with Healthy Active Life Styles	1st Place High School Award	Bauer	Billy	The Application of Web Technologies as a Means for the Design and Implementation of an Advanced Food Safety Analysis System, Focusing on Institutional Needs in Relation to Potential Allergens Abstract	4	2012	Cloquet High School	Male	Cloquet	6th
		Wood	Christian		2012	Cloquet High School	Male	Cloquet	2nd	
General Mills Food-Based Social Change Award - Integrating Food with Healthy Active Life Styles	Middle School Award	Schabert	Morgan	To 'D' or Not To 'D'? Abstract	12	2016	Cathedral High School	Female	New Ulm	2nd
General Mills Food-Based Social Change Award - Providing Food To Those In Need	1st Place High School Award	Papisetty	Bhargavi	Forecasting Corn Prices in India using ARIMA Model Abstract	1	2014	Wayzata Senior High School	Female	Plymouth	1st
General Mills Food-Based Social Change Award - Providing Food To Those In Need	2nd Place High School Award	Xiong	Ying	Biodiesel Synthesis using Waste Animal Adipose Tissue with Unconventional Catalysts and Small-dose Urea Cold Flow Improver Abstract	9	2013	Century High School	Male	Rochester	3rd
General Mills Food-Based Social Change Award - Providing Food To Those In Need	Middle School Award	McCort	Alexis	Does Banana Make Water More A-peel-ing? Abstract	4	2016	Woodland Middle School	Female	Duluth	1st

### Graduate Women in Science, Xi Chapter, University of MN

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Graduate Women in Science Award	GWS Award - 12th Grade	Kloncz	Carissa	Revamping the World's Energy Sources One Crop at a Time: Phase II Abstract	1	2012	Burnsville High School	Female	Burnsville	3rd
Graduate Women in Science Award	GWS Award - 11th Grade	Shen	Shelley	A Study of the Correlation Between Synesthesia and Academic Performance Abstract	9	2013	Century High School	Female	Rochester	1st
Graduate Women in Science Award	GWS Award - 10th Grade	Dabney-Miller	Maia	Confess to Stress Abstract	4	2014	Hinckley/Finlayson High School	Female	Hinckley	1st
Graduate Women in Science Award	GWS Award - 9th Grade	Koenig	Jordyn	Do Doodlers Do Better? Abstract	9	2015	Century High School	Female	Rochester	1st
Graduate Women in Science Award	GWS Award - 8th Grade	Pederson	Gabby	How Quick Did I Lose My Marbles? Abstract	12	2016	St. Huberts School	Female	Chaska	1st
Graduate Women in Science Award	GWS Award - 7th Grade	Grabarkewitz	Kaylee	Crime Scene Forensics Abstract	2	2017	Robert J Elkington Middle School	Female	Grand Rapids	1st
Graduate Women in Science Award	GWS Award - 6th Grade	Stende	Ava	The New Insulation Creation:	1	2018	Cedarcrest	Female	Hanover	1st



**MAS (MN Academy of Science)**

Award ↑	Place ↑	Won By ↑	Title ↑	Region ↑	Grade ↑	School ↑	Gender ↑	City ↑	# Fairs ↑
Grand Awards - Bronze	Winner	Ylitalo	Max	Twin Cities	8	Oak Land Junior High	Male	Stillwater	1st
Grand Awards - Bronze	Winner	Woog	Samantha	Rochester	9	John Marshall High School	Female	Rochester	1st
Grand Awards - Bronze	Winner	Whaley	Mac	Southeast	8	Cotter Junior High	Male	Rollingstone	1st
Grand Awards - Bronze	Winner	Weiss	Samuel	Twin Cities	11	Edina High School	Male	Edina	3rd
Grand Awards - Bronze	Winner	Weis	Rena	South Central, Southwest	11	New Prague Senior High School		Elko-New Market	1st
Grand Awards - Bronze	Winner	Wang	Eva	Twin Cities	12	Breck School, Minneapolis	Female	Minnetonka	1st
Grand Awards - Bronze	Winner	Vijayakar	Roshny	Twin Cities	12	Breck School, Minneapolis	Female	Golden Valley	2nd
Grand Awards - Bronze	Winner	Uhm	Sarah	Rochester	7	Lincoln K-8 Choice, Rochester	Female	Rochester	1st
Grand Awards - Bronze	Winner	Thompson	Richard	Twin Cities	7	Murray Junior High School	Male	St. Paul	1st
Grand Awards - Bronze	Winner	Suman	William Tyler	Southeast	8	Cotter Junior High	Male	Saint Charles	2nd
Grand Awards - Bronze	Winner	Sinha	Rishi	Twin Cities	12	Wayzata Senior High School	Male	Medina	2nd
Grand Awards - Bronze	Winner	Simpson	Claire	Twin Cities	10	Breck School, Minneapolis	Female	Hopkins	1st
Grand Awards - Bronze	Winner	Shin	Delaney	Rochester	8	Kellogg Middle School	Female	Rochester	1st
Grand Awards - Bronze	Winner	Sheehy	Audrey	Twin Cities	8	Our Lady Of Grace Catholic School	Female	Edina	2nd
Grand Awards - Bronze	Winner	Schoeneberger	Alphonse	Western	11	Perham Senior High School	Male	Vergas	1st
Grand Awards - Bronze	Winner	Schmidt	Theo	Twin Cities	7	Calvin Christian School	Male	Plymouth	1st
Grand Awards - Bronze	Winner	Ryvlin	Jessica	Twin Cities	11	Breck School, Minneapolis	Female	Plymouth	1st
Grand Awards - Bronze	Winner	Rosendahl	Lexie	Southeast	7	La Crescent Middle School	Female	La Crescent	1st
Grand Awards - Bronze	Winner	Robertson	Lacey	Northeast	8	Holy Rosary	Female	Duluth	2nd

							School			
Grand Awards - Bronze	Winner	Palm	Joshua		Rochester	8	Kellogg Middle School	Male	Rochester	1st
Grand Awards - Bronze	Winner	Pakzad	Paimon		Twin Cities	12	Blake Upper School	Male	Wayzata	6th
Grand Awards - Bronze	Winner	Oubaha	Sophie		Twin Cities	6	L'Etoile Du Nord French Immersion	Female	Lakeland	1st
Grand Awards - Bronze	Winner	Nordstrom	Austin		Northern	8	Bemidji Middle School	Male	Bemidji	1st
Grand Awards - Bronze	Winner	Nguyen	Quyen		Twin Cities	11	Burnsville High School	Female	Burnsville	2nd
Grand Awards - Bronze	Winner	Naidu	Partha		Twin Cities	12	Wayzata Senior High School	Male	Plymouth	1st
Grand Awards - Bronze	Winner	Munkelwitz	Matthew		Twin Cities	8	St. Pascal School	Male	Woodbury	1st
Grand Awards - Bronze	Winner	Morris	Katie		South Central, Southwest	11	New Prague Senior High School	Female	New Prague	2nd
Grand Awards - Bronze	Winner	Moe	Bryce		Northeast	7	Cloquet Middle School	Male	Cloquet	1st
Grand Awards - Bronze	Winner	Merisko	Cole		Northeast	12	Hinckley/Finlayson High School	Male	Brook Park	4th
Grand Awards - Bronze	Winner	McEachran	Zac		Northeast	12	Hinckley/Finlayson High School	Male	Hinckley	3rd
Grand Awards - Bronze	Winner	Matthews	Hannah		Northeast	8	Holy Rosary School	Female	Duluth	1st
Grand Awards - Bronze	Winner	Mai	Gavin		Rochester	10	Century High School	Male	Rochester	4th
Grand Awards - Bronze	Winner	Lax	Nate		South Central, Southwest	10	St. Marys School, Sleepy Eye	Male	Sleepy Eye	4th
Grand Awards - Bronze	Winner	Langness	Olson		Western	7	Park Christian School	Male	Moorhead	1st
Grand Awards - Bronze	Winner	LaLiberte	Henri		Northeast	8	Holy Rosary School	Male	Duluth	1st
Grand Awards - Bronze	Winner	Kofler	Alexander		Rochester	8	Kellogg Middle School	Male	Rochester	1st
Grand Awards - Bronze	Winner	Knoer	Carson		Twin Cities	7	Our Lady Of Grace Catholic School	Male	Edina	1st
Grand Awards - Bronze	Winner	Kloncz	Carissa		Twin Cities	12	Burnsville High School	Female	Burnsville	3rd
Grand Awards - Bronze	Winner	Klemenhagen	Connor		Central	11	Champlin Park High School	Male	Dayton	4th

Grand Awards - Bronze	Winner	Keller	Ariel		South Central, Southwest	11	Alden	Female	Alden	3rd
Grand Awards - Bronze	Winner	Johnson	Spencer		Northeast	7	Woodland Middle School	Male	Duluth	1st
Grand Awards - Bronze	Winner	Jobin	William		South Central, Southwest	8	St. Huberts School	Male	Chanhasen	2nd
Grand Awards - Bronze	Winner	Jarocki	Andrew		Northeast	8	Holy Rosary School	Male	Duluth	1st
Grand Awards - Bronze	Winner	Jain	Naveen		Twin Cities	12	Wayzata Senior High School	Male	Plymouth	2nd
Grand Awards - Bronze	Winner	Huna	Madison		Twin Cities	8	Stillwater Junior High	Female	Stillwater	2nd
Grand Awards - Bronze	Winner	Hirsch	Michael		South Central, Southwest	10	St. Marys School, Sleepy Eye	Male	Sleepy Eye	4th
Grand Awards - Bronze	Winner	Hendrickson	Anna		Twin Cities	12	Breck School, Minneapolis	Female	St. Louis Park	1st
Grand Awards - Bronze	Winner	Hansen	Kristen		Rochester	8	Lincoln K-8 Choice, Rochester	Female	Rochester	1st
Grand Awards - Bronze	Winner	Hakim-Hashemi	Saeed		Twin Cities	12	Breck School, Minneapolis	Male	Plymouth	1st
Grand Awards - Bronze	Winner	Goossens	Jude		Northeast	8	Duluth Edison Charter Schools North Star Academy	Male	Duluth	2nd
Grand Awards - Bronze	Winner	Gomez	Marcus		Rochester	10	Century High School	Male	Zumbrota	2nd
Grand Awards - Bronze	Winner	Geschwind	Meg		Rochester	7	Willow Creek Middle School	Female	Rochester	1st
Grand Awards - Bronze	Winner	Geesman	Thomas		South Central, Southwest	11	Alden	Male	Wells	3rd
Grand Awards - Bronze	Winner	Gardner	Grace		Twin Cities	7	Cyber Village Academy	Female	Saint Paul	1st
Grand Awards - Bronze	Winner	Fu	Lisa		Rochester	9	John Marshall High School	Female	Rochester	3rd
Grand Awards - Bronze	Winner	French	Ellie		Northeast	8	Woodland Middle School	Female	Duluth	1st
Grand Awards - Bronze	Winner	Dorn	Robert		Twin Cities	12	Breck School, Minneapolis	Male	Edina	1st

Grand Awards - Bronze	Winner	Daoutidou	Euphrosyne		Twin Cities	7	Annunciation School	Female	Minneapolis	1st
Grand Awards - Bronze	Winner	Danielson	Hunter		Central	9	Coon Rapids High School	Male	Coon Rapids	1st
Grand Awards - Bronze	Winner	Damania	Samarth		Twin Cities	12	Breck School, Minneapolis	Male	Maple Grove	2nd
Grand Awards - Bronze	Winner	Christofferson	Payton		Northern	8	Bemidji Middle School	Male	Bemidji	1st
Grand Awards - Bronze	Winner	Brickson	Hannah		Northern	8	Franklin Middle School, Thief River Falls		Thief River Falls	2nd
Grand Awards - Bronze	Winner	Bram	Alanna		Rochester	9	John Marshall High School	Female	Rochester	4th
Grand Awards - Bronze	Winner	Bowron	Isak		Twin Cities	8	Murray Junior High School	Male	Saint Paul	1st
Grand Awards - Bronze	Winner	Boedigheimer	Isaac		Northeast	7	Cloquet Middle School		Cloquet	1st
Grand Awards - Bronze	Winner	Bodin	Allie		South Central, Southwest	8	St. Huberts School	Female	Chanhausen	1st
Grand Awards - Bronze	Winner	Anderson	Michael		South Central, Southwest	7	St. Huberts School	Male	Eden Prairie	1st
Grand Awards - Bronze	Winner	Anderson	Abby		Northeast	11	Cloquet High School	Female	Carlton	5th
Grand Awards - Bronze	Winner	Abegaz	Redeat		Twin Cities	11	Burnsville High School	Female	Savage	2nd
Grand Awards - Gold	Winner	Wolf	Joshua		Central	10	Elk River Area High School	Male	Elk River	1st
Grand Awards - Gold	Winner	Strigel	Paige		South Central, Southwest	8	St. Huberts School	Female	Victoria	2nd
Grand Awards - Gold	Winner	Spanier	Rory		Central	7	Sartell Middle School	Male	Sartell	1st
Grand Awards - Gold	Winner	Shekhar	Apurv		Twin Cities	10	Blake Upper School	Male	Plymouth	2nd
Grand Awards - Gold	Winner	Renier	Timothy		Northeast	9	East High School	Male	Duluth	3rd
Grand Awards - Gold	Winner	Pidaparti	Mahati		Twin Cities	12	Wayzata Senior High School	Female	Maple Grove	1st
Grand Awards - Gold	Winner	Papisetty	Bhargavi		Twin Cities	10	Wayzata Senior High School	Female	Plymouth	1st
Grand Awards - Gold	Winner	O'Driscoll	Christopher		Rochester	7	Schaeffer Academy	Male	Rochester	1st

Grand Awards - Gold	Winner	Neuman	Samuel		Central	7	Sartell Middle School	Male	Sartell	1st
Grand Awards - Gold	Winner	Mukherjee	Rahul		Open	12	John Marshall High School		Rochester	1st
Grand Awards - Gold	Winner	Mangalick	Keshav		Twin Cities	12	Mounds View High School	Male	Shoreview	1st
Grand Awards - Gold	Winner	Landgraf	Laura		Twin Cities	12	Burnsville High School	Female	Burnsville	2nd
Grand Awards - Gold	Winner	Kaur	Harmanpreet		Rochester	6	Friedell Middle School		Rochester	1st
Grand Awards - Gold	Winner	Karp	Sarah		Central	9	Andover High School	Female	Andover	1st
Grand Awards - Gold	Winner	Jons	Carolyn		Twin Cities	8	Central Middle School, Eden Prairie	Female	Eden Prairie	2nd
Grand Awards - Gold	Winner	Jensen	Marissa		Northeast	8	Holy Rosary School	Female	Duluth	2nd
Grand Awards - Gold	Winner	Jain	Arush		Twin Cities	8	Eden Prairie Central Middle School	Male	Eden Prairie	1st
Grand Awards - Gold	Winner	Green	Margaret		Twin Cities	12	Burnsville High School	Female	Burnsville	1st
Grand Awards - Gold	Winner	Campeau	Michelle		Open	9	Mayo High School		Rochester	1st
Grand Awards - Gold	Winner	Butler	Jonah		South Central, Southwest	9	Sibley East-Gaylord Junior High	Male	Glencoe	2nd
Grand Awards - Gold	Winner	Bhattacharya	Anushua		Twin Cities	12	East Ridge High School	Female	Woodbury	4th
Grand Awards - Gold	Winner	Betts	Sarah		Twin Cities	6	Our Lady Of Grace Catholic School	Female	Minneapolis	1st
Grand Awards - Gold	Winner	Berkley	Luke		South Central, Southwest	8	St. Marys - Marian, Owatonna	Male	Owatonna	2nd
Grand Awards - Gold	Winner	Asirvatham	Roshini		Rochester	8	Friedell Middle School	Female	Rochester	2nd
Grand Awards - Gold	Winner	Anfinrud	Amy		Western	10	Park Christian School	Female	Fargo	3rd
Grand Awards - Silver	Winner	Zhao	Roy		Twin Cities	11	Wayzata Senior High School	Male	Medina	2nd
Grand Awards - Silver	Winner	Ylitalo	Andy		Twin Cities	11	Stillwater Area High School	Male	Stillwater	5th
Grand Awards - Silver	Winner	Wood	Kelsey		Central	9	Champlin Park High School	Female	Dayton	1st

Grand Awards - Silver	Winner	Whitford	Auggie		Southeast	7	La Crescent Middle School	Male	La Crescent	1st
Grand Awards - Silver	Winner	Weigel	Andrew		Twin Cities	7	Stillwater Junior High	Male	Hugo	1st
Grand Awards - Silver	Winner	Weber	Colin		Rochester	8	Kellogg Middle School	Male	Rochester	1st
Grand Awards - Silver	Winner	Stone	Heather		Twin Cities	10	Mounds View High School	Female	Arden Hills	3rd
Grand Awards - Silver	Winner	Spencer	Alexander		Twin Cities	12	Wayzata Senior High School	Male	Plymouth	2nd
Grand Awards - Silver	Winner	Sigafoos	Travis		Central	12	Champlin Park High School	Male	Champlin	4th
Grand Awards - Silver	Winner	Schroeder	Allison		Rochester	8	Lincoln K-8 Choice, Rochester	Female	Rochester	1st
Grand Awards - Silver	Winner	Schatz	Eric		Central	7	Sartell Middle School	Male	Sartell	1st
Grand Awards - Silver	Winner	Schabert	Morgan		South Central, Southwest	8	Cathedral High School	Female	New Ulm	2nd
Grand Awards - Silver	Winner	Sather III	Richard		Northern	8	Franklin Middle School, Thief River Falls	Male	Thief River Falls	2nd
Grand Awards - Silver	Winner	Proehl	Josh		South Central, Southwest	6	New London/Spicer Middle School	Male	Spicer	1st
Grand Awards - Silver	Winner	Prince	Aris		Twin Cities	12	Breck School, Minneapolis	Female	Richfield	2nd
Grand Awards - Silver	Winner	Patterson	Paige		Northeast	7	Holy Rosary School	Female	Duluth	1st
Grand Awards - Silver	Winner	Nelson	Samantha		Northeast	8	Woodland Middle School	Female	Duluth	1st
Grand Awards - Silver	Winner	McGinn	Holly		Northeast	7	Cloquet Middle School	Female	Cloquet	1st
Grand Awards - Silver	Winner	McCoy	Austin		Rochester	6	Friedell Middle School	Male	Rochester	1st
Grand Awards - Silver	Winner	McCort	Alexis		Northeast	8	Woodland Middle School	Female	Duluth	1st
Grand Awards - Silver	Winner	Marusich	Katie		South Central, Southwest	7	St. Huberts School	Female	Eden Prairie	1st
Grand Awards - Silver	Winner	Marda	Nikhil		Rochester	7	Friedell Middle School	Male	Rochester	1st
Grand Awards - Silver	Winner	Macris	Griffin		South	7	New Prague	Male	New Prague	1st

					Central, Southwest		Middle School			
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Lorsung</b>	<b>Graham</b>		Central	7	Sartell Middle School	Male	Sartell	1st
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Lin</b>	<b>Albert</b>		Rochester	8	Kellogg Middle School	Male	Rochester	1st
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Liang</b>	<b>Craig</b>		Northeast	8	Woodland Middle School	Male	Duluth	1st
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Lamirande</b>	<b>Alec</b>		Northeast	11	Cloquet High School	Male	Cloquet	5th
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Kitaoka</b>	<b>Robert</b>		Rochester	8	Friedell Middle School	Male	Rochester	2nd
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Kelley</b>	<b>Jessica</b>		Central	9	Champlin Park High School	Female	Dayton	1st
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Jackson</b>	<b>Preston</b>		Northeast	11	Cloquet High School	Male	Cloquet	5th
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Howard</b>	<b>Teresa</b>		South Central, Southwest	8	New Ulm Area Catholic School	Female	NEW ULM	2nd
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Hill</b>	<b>Kendall</b>		Northeast	8	Holy Rosary School	Male	Duluth	1st
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Grabarkewitz</b>	<b>Kaylee</b>		Northern	7	Robert J Elkington Middle School	Female	Grand Rapids	1st
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Govindarajan</b>	<b>Ishaan</b>		Rochester	7	Friedell Middle School	Male	Rochester	1st
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Ferrari</b>	<b>Kaitlin</b>		Northeast	8	Holy Rosary School	Female	Two Harbors	2nd
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Fenn</b>	<b>Alejandro</b>		Twin Cities	12	Breck School, Minneapolis		Minneapolis	1st
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Engel</b>	<b>Andrew</b>		Twin Cities	12	Breck School, Minneapolis	Male	Hopkins	1st
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Ekblad</b>	<b>Ellie</b>		Rochester	9	Century High School	Female	Rochester	3rd
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Davis</b>	<b>Brooke</b>		Northeast	8	Woodland Middle School	Female	Duluth	1st
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Chhugani</b>	<b>Sahil</b>		Rochester	8	Friedell Middle School	Male	Rochester	2nd
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Chen</b>	<b>Evan</b>		Twin Cities	12	Wayzata Senior High School	Male	Plymouth	2nd
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Campeau</b>	<b>David</b>		Rochester	11	Mayo High School	Male	Rochester	5th
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Berglund</b>	<b>Spencer</b>		Rochester	11	Mayo High School	Male	Rochester	3rd
<b>Grand Awards - Silver</b>	<b>Winner</b>	<b>Banerjee</b>	<b>Neehar</b>		Rochester	8	Friedell Middle School	Female	Rochester	1st

Grand Awards - Silver	Winner	Amundsen	Jonah		Rochester	8	Friedell Middle School	Male	ROCHESTER	2nd
Grand Awards - Silver	Winner	Amen	Annie		Twin Cities	7	Calvin Christian School	Female	Edina	1st
Grand Awards - Silver	Winner	Ahmed	Ishmam		Twin Cities	12	Wayzata Senior High School	Male	Plymouth	2nd

### Institute of Food Technologists - Minnesota Section

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑		↑	↑	↑	↑	↑	↑	↑
Institute of Food Technologists - MN Section	1st Place High School	Jiao	Yan (Annie)	Factors that affect the spread of food-borne multidrug-resistant <i>Escherichia coli</i> Abstract	1	2012	Breck School, Minneapolis	Female	Eden Prairie	1st
Institute of Food Technologists - MN Section	2nd Place High School	Bartz	Sean	An A-peel-ing Water Filter: Using Banana Peels In The Extraction of Copper From Water Abstract	12	2012	Mayer Lutheran High School, Mayer MN	Male	Belle Plaine	1st
Institute of Food Technologists - MN Section	1st Place Middle School	Schmidt	Theo	Heat, Steam, Pop! Popcorn Moisture Levels Abstract	1	2017	Calvin Christian School	Male	Plymouth	1st
Institute of Food Technologists - MN Section	2nd Place Middle School	Geschwind	Meg	Using Math to Defrost Food Abstract	9	2017	Willow Creek Middle School	Female	Rochester	1st

### Intel Excellence in Computer Science

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑		↑	↑	↑	↑	↑	↑	↑
Intel Excellence in Computer Science Award	Intel Award	Kumar	Caleb	Designing and Validating a Neural Network to Diagnose Bladder Cancer Abstract	1	2013	Breck School, Minneapolis	Male	Blaine	2nd
Intel Excellence in Computer Science Award	Intel Award	Damania	Samarth	A Data-Mining Approach to Identify Factors that Contribute to High Pharmaceutical Drug Costs Abstract	1	2012	Breck School, Minneapolis	Male	Maple Grove	2nd

### MAS (MN Academy of Science)

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑		↑	↑	↑	↑	↑	↑	↑
ISEF 2012 - State	ISEF Winner	Gomez	Marcus	The Development and Maximization of a Novel Photosynthetic Microbial Fuel Cell using <i>Rhodospirillum Rubrum</i> Abstract	9	2014	Century High School	Male	Zumbrota	2nd
		Mai	Gavin			2014		Male	Rochester	4th
ISEF 2012 - State	ISEF Winner	Dorn	Robert	The Future of Lighting: Improving the efficiency of organic light-emitting diodes	1	2012	Breck School, Minneapolis	Male	Edina	1st
		Hakim-Hashemi	Saad			2012		Male	Plymouth	1st



		Hakim-Hashem	Casey	(OLEDs) Abstract		2012	Breck School, Minneapolis	Female	Plymouth	1st
ISEF 2012 - State	ISEF Winner	Pidaparti	Mahati	Early studies on interactions between novel proteins found in a macromolecular metabolic complex in leukemia cells Abstract	1	2012	Wayzata Senior High School	Female	Maple Grove	1st
ISEF 2012 - State	ISEF Winner	Bhattacharya	Anushua	Toxicity of Ag and Au Nanoparticles on Shewanella Oneidensis Abstract	1	2012	East Ridge High School	Female	Woodbury	4th
ISEF 2012 - State	ISEF 1st Alternate	Zeng	William	Deletion of Ndst1 in smooth muscle decreases aortic wall area and vascular smooth muscle cell count Abstract	1	2014	Wayzata Senior High School	Male	Maple Grove	1st
		Zeng	Orien			2015	Wayzata Senior High School	Male	Maple Grove	1st
ISEF 2012 - State	ISEF 2nd Alternate	Naidu	Partha	Characterization and Application of Pseudoisocyanide-Iodide in Optical Devices Abstract	1	2012	Wayzata Senior High School	Male	Plymouth	1st
ISEF 2012 - State	ISEF 3rd Alternate	Renier	Timothy	The Effects of a Multi-Factor Hand Hygiene Intervention on Hand Washing Effectiveness and on Absences of Elementary and Middle School Students Abstract	4	2015	East High School	Male	Duluth	3rd

## I-SWEEEP

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
I-SWEEEP Award	I-SWEEEP Award	Weis	Rena	Impacts of Various Biochar and Fertilizer Rates on Zea Mays Abstract	12	2013	New Prague Senior High School		Elko-New Market	1st

## MAS (MN Academy of Science)

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
Jr. High Papers	8th Grade Best Overall Paper	Jons	Carolyn	The Effect of Oxygen Removal Treatments on the Mold Growth of Blueberries Abstract	1	2016	Central Middle School, Eden Prairie	Female	Eden Prairie	2nd
Jr. High Papers	8th Grade Best Paper	Asirvatham	Roshini	Cardiac devices and Solar Phenomena: Need For A New Sunscreen? Abstract	9	2016	Friedell Middle School	Female	Rochester	2nd
Jr. High Papers	8th Grade Best Paper	Kitaoka	Robert	Analyzing and Reducing Impact Acceleration of High Speed Projectiles in Sports and Recreation Abstract	9	2016	Friedell Middle School	Male	Rochester	2nd
Jr. High Papers	8th Grade Best Paper	Rashid	Rahema	The Effects of Different Roof Types on the Magnitude of Roof Uplift Under Various	3	2016	Al-Amal School	Female	Blaine	1st

				<i>Wind Loads Abstract</i>						
Jr. High Papers	8th Grade Best Paper	Sather III	Richard	<i>Acupressure: Myth or Fact for Improvement of Body Flexibility Abstract</i>	2	2016	Franklin Middle School, Thief River Falls	Male	Thief River Falls	2nd
Jr. High Papers	8th Grade Best Paper	Sheehy	Audrey	<i>Ionized Hydroponics vs. Ionized Aeroponics vs. Aeroponics Abstract</i>	1	2016	Our Lady Of Grace Catholic School	Female	Edina	2nd
Jr. High Papers	7th Grade Best Overall Paper	Holman	Iris	<i>How Wing Design Affects Lift Abstract</i>	1	2017	Murray Junior High School	Female	St. Paul	1st
Jr. High Papers	7th Grade Best Paper	Feller	Hope	<i>Does A Student's Learning Style Affect Their Memory? Abstract</i>	6	2017	Winona Middle School	Female	Winona	1st
Jr. High Papers	7th Grade Best Paper	Macris	Griffin	<i>Tuning Antenna Length to Match Transmission Frequency Abstract</i>	12	2017	New Prague Middle School	Male	New Prague	1st
Jr. High Papers	7th Grade Best Paper	Cavanaugh	Abigail	<i>Does Sniffing Peppermint or Cinnamon Affect How Hungry You Feel and Your Caloric Intake? Abstract</i>	1	2017	Blessed Trinity School	Female	Bloomington	1st
Jr. High Papers	7th Grade Best Paper	Peterson	Chandler	<i>Gluten Substitutes Abstract</i>	6	2017	Winona Middle School	Male	Winona	1st
Jr. High Papers	7th Grade Best Paper	Farmer	Nathaniel	<i>Children's Exposure to Black Carbon Pollution in a Suburban School Setting Abstract</i>	1	2017	Stillwater Junior High	Male	Lake Elmo	1st
Jr. High Papers	6th Grade Best Overall Paper	Betts	Sarah	<i>Memory Development and Myelin Growth Abstract</i>	1	2018	Our Lady Of Grace Catholic School	Female	Minneapolis	1st
Jr. High Papers	6th Grade Best Paper	Feller	Sophia	<i>The Effect of Different Concentrations and Number of Hibiclens Washes on the Amount of DNA Extracted from Oreochromis (Tilapia Fish) Abstract</i>	12	2018	Harriet Bishop Gifted and Talented Elementary	Female	Burnsville	1st
Jr. High Papers	6th Grade Best Paper	Karp	Elizabeth	<i>Baby Food + Air = Poison Abstract</i>	3	2018	Oak View Middle School	Female	Andover	1st
Jr. High Papers	6th Grade Best Paper	Leake	Karryn	<i>To Spray or Not To Spray...That is the Question? Abstract</i>	2	2018	Franklin Middle School, Thief River Falls		Thief River Falls	1st
Lifetime Achievement Award	Winner	Underbakke	Timara		0					1st
Lifetime Achievement Award	Winner	Ostrand	Karin		0					1st
MAS / JSHS Achievement Award	Honorable Mention	Papisetty	Bhargavi	<i>Forecasting Com Prices in India using ARIMA Model Abstract</i>	1	2014	Wayzata Senior High School	Female	Plymouth	1st
MAS / JSHS Achievement Award	Honorable Mention	Zeng	William	<i>Deletion of Ndst1 in smooth muscle decreases aortic wall area and vascular smooth muscle cell count Abstract</i>	1	2014	Wayzata Senior High School	Male	Maple Grove	1st
		Zeng	Orien			2015	Wayzata Senior	Male	Maple Grove	1st

							High School			
MAS / JSHS Achievement Award	Honorable Mention	Kumar	Caleb	<i>Designing and Validating a Neural Network to Diagnose Bladder Cancer</i> Abstract	1	2013	Breck School, Minneapolis	Male	Blaine	2nd
MAS / JSHS Achievement Award	Honorable Mention	Prince	Aris	<i>A Three-generational Study on Knowledge about and Sources Used to Find Information on Brain-related Conditions</i> Abstract	1	2012	Breck School, Minneapolis	Female	Richfield	2nd
MAS / JSHS Achievement Award	Honorable Mention	Weis	Rena	<i>Impacts of Various Biochar and Fertilizer Rates on Zea Mays</i> Abstract	12	2013	New Prague Senior High School		Elko-New Market	1st
MAS / JSHS Achievement Award	Honorable Mention	Butler	Jonah	<i>Exploring Pretreatment Options for Lignocellulosic Biomass to Facilitate Efficient Hydrolysis and Biofuel Production</i> Abstract	12	2015	Sibley East-Gaylord Junior High	Male	Glencoe	2nd
MAS Honorable Mention Awards	MAS Honorable Mention Award	Zaic	Lindsey	<i>Thigmomorphogenesis</i> Abstract	3	2017	Calvin Christian School	Female	Blaine	1st
MAS Honorable Mention Awards	MAS Honorable Mention Award	Donnelly	Owen	<i>Growing Soybeans with River Water</i> Abstract	1	2016	Murray Junior High School	Male	St. Paul	1st
MAS Honorable Mention Awards	MAS Honorable Mention Award	Feller	Sophia	<i>The Effect of Different Concentrations and Number of Hibiclens Washes on the Amount of DNA Extracted from Oreochromis (Tilapia Fish)</i> Abstract	12	2018	Harriet Bishop Gifted and Talented Elementary	Female	Burnsville	1st
MAS Honorable Mention Awards	MAS Honorable Mention Award	French	Ellie	<i>Monarchs: Caterpillars vs. Butterflies Is There a Correlation in Their Patterns?</i> Abstract	4	2016	Woodland Middle School	Female	Duluth	1st
MAS Honorable Mention Awards	MAS Honorable Mention Award	Hansen	Kristen	<i>Pavlov's Fish</i> Abstract	9	2016	Lincoln K-8 Choice, Rochester	Female	Rochester	1st
MAS Winchell Award	Winner	Wolf	Joshua	<i>Shocking Lipid Production</i> Abstract	3	2014	Elk River Area High School	Male	Elk River	1st
MAS Winchell Award	Alternate	Butler	Jonah	<i>Exploring Pretreatment Options for Lignocellulosic Biomass to Facilitate Efficient Hydrolysis and Biofuel Production</i> Abstract	12	2015	Sibley East-Gaylord Junior High	Male	Glencoe	2nd

## Medtronic Foundation

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Medtronic Award	1st Place High School	Campeau	<i>Ocular Computer Interface - Electrooculographic Eye Tracking with 6DOF Head Position Compensation</i> Abstract	9	2013	Mayo High School	Male	Rochester	5th
		Berglund			2013	Mayo High School	Male	Rochester	3rd

Medtronic Award	2nd Place High School	Damania	Samarth	<i>A Data-Mining Approach to Identify Factors that Contribute to High Pharmaceutical Drug Costs</i> Abstract	1	2012	Breck School, Minneapolis	Male	Maple Grove	2nd
Medtronic Award	1st Place Middle School	Asirvatham	Roshini	<i>Cardica devices and Solar Phenomena: Need For A New Sunscreen?</i> Abstract	9	2016	Friedell Middle School	Female	Rochester	2nd
Medtronic Award	2nd Place Middle School	Jasperse	Molly	<i>Glucose Levels in Foods and Liquids</i> Abstract	8	2016	Park Christian School	Female	Moorhead	2nd

## Minnesota Environmental Health Association

Award ↑	Place ↑	Won By ↑	Title ↑	Region ↑	Grade ↑	School ↑	Gender ↑	City ↑	# Fairs ↑
MN Environmental Health Association Award for Excellence in Environmental Health Science	1st Place High School	Renier	Timothy	4	2015	East High School	Male	Duluth	3rd
MN Environmental Health Association Award for Excellence in Environmental Health Science	2nd Place High School	Tostenson	Riley	8	2013	Perham Senior High School	Male	Perham	2nd
MN Environmental Health Association Award for Excellence in Environmental Health Science	3rd Place High School	Hassebroek	Jessie	3	2015	Coon Rapids High School	Female	Coon Rapids	1st
MN Environmental Health Association Award for Excellence in Environmental Health Science	1st Place Middle School	Rockcastle	Daniel	1	2016	Nativity School, St. Paul	Male	St. Paul	1st
MN Environmental Health Association Award for Excellence in Environmental Health Science	2nd Place Middle School	Schoo	Anna	12	2016	Cathedral High School	Female	New Ulm	2nd
MN Environmental Health Association Award for Excellence in Environmental Health Science	Honorable Mention - High School	Stafki	Seth	8	2013	Perham Senior High School	Male	Perham	5th
MN Environmental Health Association Award for Excellence in Environmental Health Science	Honorable Mention - Middle School	Booth	Jackson	2	2016	Laporte Sr. High Science Club	Male	laporte	1st

## Mu Alpha Theta

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑		↑	↑	↑	↑	↑	↑	↑
Mu Alpha Theta Award	MAT Award	Keller	Ariel	Analysis of Knot Theory in Relation to Numerous Variables Abstract	12	2013	Alden	Female	Alden	3rd
		Geesman	Thomas			2013	Alden	Male	Wells	3rd
Mu Alpha Theta Award	MAT Award	Shekhar	Apurv	Location, Location, Capacity: K-Means Clustering with Capacity Constraints Abstract	1	2014	Blake Upper School	Male	Plymouth	2nd

## MAS (MN Academy of Science)

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑		↑	↑	↑	↑	↑	↑	↑
National JSHS	JSHS 3rd Place	Jain	Naveen	Mechanism of Tumor Suppression by CHD5: Phase Two Abstract	1	2012	Wayzata Senior High School	Male	Plymouth	2nd
National JSHS	JSHS 2nd Place	Renier	Timothy	The Effects of a Multi-Factor Hand Hygiene Intervention on Hand Washing Effectiveness and on Absences of Elementary and Middle School Students Abstract	4	2015	East High School	Male	Duluth	3rd
National JSHS	JSHS 1st Place	Campeau	David	Ocular Computer Interface - Electrooculographic Eye Tracking with 6DOF Head Position Compensation Abstract	9	2013	Mayo High School	Male	Rochester	5th
		Berglund	Spencer			2013	Mayo High School	Male	Rochester	3rd
National JSHS	JSHS 4th Place	Ahmed	Ishmam	The Efficacy of Insulin Production by 'Reprogrammed' Induced Pluripotent Stem (iPS) Cells: Novel Developments in the Approach to Diabetes Treatment Abstract	1	2012	Wayzata Senior High School	Male	Plymouth	2nd
National JSHS	JSHS 5th Place	Sigafoos	Travis	A Spectrum of Triangulation: ADHD, Circadian Rhythmicity, and Bipolar Symptoms Abstract	3	2012	Champlin Park High School	Male	Champlin	4th

## National Oceanic and Atmospheric Administration

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑		↑	↑	↑	↑	↑	↑	↑
National Oceanic and Atmospheric Award	NOAA Award	Cage	Walker	Washed Away Part 2 Abstract	2	2016	Bagley Secondary School	Male	Bagley	2nd

## National Society of Professional Engineers

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
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Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
National Society of Professional Engineers - Innovative Engineering Award	1st Place Award	Spencer Alexander	Recycling Waste Heat: Development of a Low-cost Thermoelectric Generator for Off-grid Energy Production Abstract	1	2012	Wayzata Senior High School	Male	Plymouth	2nd
		Chen Evan			2012	Wayzata Senior High School	Male	Plymouth	2nd
National Society of Professional Engineers - Innovative Engineering Award	2nd Place Award	McCanna Taylor	Engineering an Inexpensive Mobile Electric Field Mill to Measure the Global Electric Circuit to Track Global Climate Change Abstract	1	2012	Breck School, Minneapolis	Female	St. Louis Park	1st

### National Youth Science Camp / MN Department of Education

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
National Youth Science Camp - West Virginia	Science Camp Award	Kloncz Carissa	Revamping the World's Energy Sources One Crop at a Time: Phase II Abstract	1	2012	Burnsville High School	Female	Burnsville	3rd
National Youth Science Camp - West Virginia	Science Camp Award	Pinkalla Ryan	Whitetail Deer Effects On Browseable Plant Material Abstract	1	2012	Burnsville High School	Male	eagan	1st
National Youth Science Camp - West Virginia	Alternate	Johnson Lila	The Stability of Metformin Hydrochloride in Aqueous Solution Abstract	12	2012	Austin High School	Female	Austin	6th
National Youth Science Camp - West Virginia	Alternate	Otto Wesley	The Affect of the Control of Dreissena Polymorpha on Primary Consumers Abstract	12	2012	Loyola Catholic School	Male	Mankato	2nd
National Youth Science Camp - West Virginia	Alternate	Mukherjee Rahul	Restoration of The Great Lakes: A Genetic Study on Zebra And Quagga Mussels To Unfold The Mystery of Calcium (Ca2+) Based Invasion And Its Survival Abstract	9	2012	John Marshall High School	Male	Rochester	2nd
National Youth Science Camp - West Virginia	Alternate	Harding Angel	Polychlorinated biphenyl in Minnesota Metro Area Wetlands Abstract	1	2012	South High School	Female	Minneapolis	1st
		Jourdain Alicia			2012	South High School	Female	Minneapolis	1st

### New Scientist

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
New Scientist Award	NS Award	Bonfig Matthew	Is a dimmer switch greener than a flip switch? Abstract	2	2018	Crosslake Community Charter School	Male	Merrifield	1st
New Scientist Award	NS Award	Leake Karryn	To Spray or Not To Spray...That is the Question? Abstract	2	2018	Franklin Middle School, Thief River Falls		Thief River Falls	1st

## The Lohman Family

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
Penny Lohman Memorial Award	Lohman Award	Brickson	Hannah	Use It or Lose It: The Effect of Brain Exercises on Senior Citizen Memory Abstract	2	2016	Franklin Middle School, Thief River Falls		Thief River Falls	2nd

## Pentair Foundation

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
Pentair Award	1st Place High School	Soskin	Ellen	Bioremediation Potential of <i>Pseudomonas putida</i> Fu1 to Prevent Toxic Runoff Into Water Supplies Abstract	1	2012	Breck School, Minneapolis	Female	Minnetonka	1st
Pentair Award	2nd Place High School	Chandra	Abhishek	Mycoremediation Using <i>Agaricus brunnescens</i> : A Novel, Effective, and Economical Alternative for Management of Oil Spills in Soil and Water - A Comparative Study Abstract	9	2014	Mayo High School	Male	Rochester	1st
Pentair Award	1st Place Middle School	Kohli	Tanvi	"ISLES-1": Indian Surface-water contamination Longitudinal Exploratory Study-1 Abstract	9	2016	Friedell Middle School	Female	Rochester	2nd
Pentair Award	2nd Place Middle School	Rauzi	Joe	Oil and Water: How Did the BP Oil Spill Affect the Temperature of the Gulf of Mexico's Water? Abstract	4	2016	Woodland Middle School	Male	Duluth	1st

## Ricoh Corporation

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
Ricoh Sustainable Development Award	Ricoh Award	Mire	Mahmoud	Comparing the Efficiency of Three Different Solar Cells: A Regular Solid Silicon Solar Cell, and two Dye-Sensitized Solar Cells (blackberry- and eggplant-sensitized) Abstract	3	2014	Al-Amal School	Male	Minneapolis	1st
		Idris	Ahmed					Male	Brooklyn Park	1st
Ricoh Sustainable Development Award	Ricoh Award	Woog	Samantha	Sustaining Freshwater Supplies Through Zeolite Soil Enrichment and Moisture Sensor-Controlled Greywater Agricultural Irrigation: A Feasibility Study & Economic Analysis Abstract	9	2015	John Marshall High School	Female	Rochester	1st

## SAS Institute, JMP Division

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
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↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
SAS / JMP Data Analysis & Visualization Award	SAS / JMP Award	Lin	Marisa	Maximizing Agricultural Resources through Optimization Abstract	9	2014	Century High School	Female	Rochester	3rd

### Science Museum of Minnesota

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
Science Museum of Minnesota Best Exhibit Award	High School Award	Ninneman	Mary	The Affects of Environmental Stimuli on the Natural Defense Mechanism of <i>Gromphadorhina portentosa</i> Abstract	12	Loyola Catholic School	Female	Mankato	2nd	
		Bradley					Hannah	Female	N. Mankato	2nd
Science Museum of Minnesota Best Exhibit Award	Middle School Award	Thompson	Jordan	Hydropower versus Wind Power Abstract	1	2016	Transfiguration	Male	Oakdale	1st

### Seagate Technology, Inc.

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
Seagate Rising Star Awards	Seagate Award - High School	Hendrickson	Anna	Interaction of Cyclin D1 and PPARα in Cancer-cell Metabolism Abstract	1	Breck School, Minneapolis	Female	St. Louis Park	1st	
		Wang					Eva	Female	Minnetonka	1st
Seagate Rising Star Awards	Seagate Award - Middle School	Kitaoka	Robert	Analyzing and Reducing Impact Acceleration of High Speed Projectiles in Sports and Recreation Abstract	9	2016	Friedell Middle School	Male	Rochester	2nd
Seagate First Year Awards 2012	Winner	Wood	Kelsey		Central	9	Champlin Park High School	Female	Dayton	1st
Seagate First Year Awards 2012	Winner	Wolf	Joshua		Central	10	Elk River Area High School	Male	Elk River	1st
Seagate First Year Awards 2012	Winner	Whitford	Auggie		Southeast	7	La Crescent Middle School	Male	La Crescent	1st
Seagate First Year Awards 2012	Winner	Weigel	Andrew		Twin Cities	7	Stillwater Junior High	Male	Hugo	1st
Seagate First Year Awards 2012	Winner	Weber	Colin		Rochester	8	Kellogg Middle School	Male	Rochester	1st
Seagate First Year Awards 2012	Winner	Spanier	Rory		Central	7	Sartell Middle School	Male	Sartell	1st
Seagate First Year Awards 2012	Winner	Schroeder	Allison		Rochester	8	Lincoln K-8 Choice, Rochester	Female	Rochester	1st
Seagate First Year Awards 2012	Winner	Schatz	Eric		Central	7	Sartell Middle School	Male	Sartell	1st



Seagate First Year Awards 2012	Winner	Proehl	Josh		South Central, Southwest	6	New London/Spicer Middle School	Male	Spicer	1st
Seagate First Year Awards 2012	Winner	Pidaparti	Mahati		Twin Cities	12	Wayzata Senior High School	Female	Maple Grove	1st
Seagate First Year Awards 2012	Winner	Patterson	Paige		Northeast	7	Holy Rosary School	Female	Duluth	1st
Seagate First Year Awards 2012	Winner	Papisetty	Bhargavi		Twin Cities	10	Wayzata Senior High School	Female	Plymouth	1st
Seagate First Year Awards 2012	Winner	O'Driscoll	Christopher		Rochester	7	Schaeffer Academy	Male	Rochester	1st
Seagate First Year Awards 2012	Winner	Neuman	Samuel		Central	7	Sartell Middle School	Male	Sartell	1st
Seagate First Year Awards 2012	Winner	Nelson	Samantha		Northeast	8	Woodland Middle School	Female	Duluth	1st
Seagate First Year Awards 2012	Winner	McGinn	Holly		Northeast	7	Cloquet Middle School	Female	Cloquet	1st
Seagate First Year Awards 2012	Winner	McCoy	Austin		Rochester	6	Friedell Middle School	Male	Rochester	1st
Seagate First Year Awards 2012	Winner	McCort	Alexis		Northeast	8	Woodland Middle School	Female	Duluth	1st
Seagate First Year Awards 2012	Winner	Marusich	Katie		South Central, Southwest	7	St. Huberts School	Female	Eden Prairie	1st
Seagate First Year Awards 2012	Winner	Marda	Nikhil		Rochester	7	Friedell Middle School	Male	Rochester	1st
Seagate First Year Awards 2012	Winner	Mangalick	Keshav		Twin Cities	12	Mounds View High School	Male	Shoreview	1st
Seagate First Year Awards 2012	Winner	Macris	Griffin		South Central, Southwest	7	New Prague Middle School	Male	New Prague	1st
Seagate First Year Awards 2012	Winner	Lorsung	Graham		Central	7	Sartell Middle School	Male	Sartell	1st
Seagate First Year Awards 2012	Winner	Lin	Albert		Rochester	8	Kellogg Middle School	Male	Rochester	1st
Seagate First Year Awards 2012	Winner	Liang	Craig		Northeast	8	Woodland Middle School	Male	Duluth	1st
Seagate First Year Awards 2012	Winner	Landgraf	Laura		Twin Cities	12	Burnsville High School	Female	Burnsville	2nd
Seagate First Year Awards 2012	Winner	Kelley	Jessica		Central	9	Champlin Park High School	Female	Dayton	1st
Seagate First Year Awards 2012	Winner	Kaur	Harmanpreet		Rochester	6	Friedell Middle School		Rochester	1st
Seagate First Year Awards 2012	Winner	Karp	Sarah		Central	9	Andover High	Female	Andover	1st

Awards 2012							School			
Seagate First Year Awards 2012	Winner	Jain	Arush		Twin Cities	8	Eden Prairie Central Middle School	Male	Eden Prairie	1st
Seagate First Year Awards 2012	Winner	Hill	Kendall		Northeast	8	Holy Rosary School	Male	Duluth	1st
Seagate First Year Awards 2012	Winner	Green	Margaret		Twin Cities	12	Burnsville High School	Female	Burnsville	1st
Seagate First Year Awards 2012	Winner	Grabarkewitz	Kaylee		Northern	7	Robert J Elkington Middle School	Female	Grand Rapids	1st
Seagate First Year Awards 2012	Winner	Govindarajan	Ishaan		Rochester	7	Friedell Middle School	Male	Rochester	1st
Seagate First Year Awards 2012	Winner	Fenn	Alejandro		Twin Cities	12	Breck School, Minneapolis		Minneapolis	1st
Seagate First Year Awards 2012	Winner	Engel	Andrew		Twin Cities	12	Breck School, Minneapolis	Male	Hopkins	1st
Seagate First Year Awards 2012	Winner	Davis	Brooke		Northeast	8	Woodland Middle School	Female	Duluth	1st
Seagate First Year Awards 2012	Winner	Betts	Sarah		Twin Cities	6	Our Lady Of Grace Catholic School	Female	Minneapolis	1st
Seagate First Year Awards 2012	Winner	Banerjee	Neehar		Rochester	8	Friedell Middle School	Female	Rochester	1st
Seagate First Year Awards 2012	Winner	Amen	Annie		Twin Cities	7	Calvin Christian School	Female	Edina	1st
Seagate Mentor Award	Winner 11+	Alexander	Gary		Central		Coon Rapids High School		Coon Rapids	1st
Seagate Mentor Award	Winner 1-10 Years	Bockbrader	Tracy		Northeast		Crosslake Community Charter School			1st

## Society for In Vitro Biology

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
Society for In Vitro Biology Award	SIVB Award	Morris	Katie	12	2013	New Prague Senior High School	Female	New Prague	2nd
Society for In Vitro Biology Award	SIVB Award	Pallin	Kendra	4	2013	Cloquet High School	Female	Cloquet	6th

## SPIE-the International Society for Optics & Photonics

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑		↑	↑	↑	↑	↑	↑	↑
SPIE Optics and Photonics Science Fair Award	1st Place Award	Dorn	Robert	<i>The Future of Lighting: Improving the efficiency of organic light-emitting diodes (OLEDs)</i> Abstract	1	2012	Breck School, Minneapolis	Male	Edina	1st
		Hakim-Hashemi	Saeed			2012		Male	Plymouth	1st
SPIE Optics and Photonics Science Fair Award	2nd Place Award	Palm	Joshua	<i>Measuring Concentration Of A Liquid With A Laser Pointer</i> Abstract	9	2016	Kellogg Middle School	Male	Rochester	1st
SPIE Optics and Photonics Science Fair Award	3rd Place Award	Kloehn	Mikaela	<i>Solar Panels</i> Abstract	2	2014	Laporte Public School	Female	Laporte	2nd

## St. Cloud State University

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑		↑	↑	↑	↑	↑	↑	↑
St. Cloud State University - Engineering	SCU Engineering Award	Weiss	Samuel	<i>Granular Segregation Patterns in a Rotating Drum</i> Abstract	1	2013	Edina High School	Male	Edina	3rd
St. Cloud State University - Natural Sciences (Biology, Chemistry, Environmental Sciences)	SCSU Natural Sciences Award	Weis	Rena	<i>Impacts of Various Biochar and Fertilizer Rates on Zea Mays</i> Abstract	12	2013	New Prague Senior High School		Elko-New Market	1st
St. Cloud State University - Natural Sciences (Biology, Chemistry, Environmental Sciences)	SCSU Natural Sciences Award	Anderson	Abby	<i>Black is the New Green Phase II: A Field Study of the Effects of Biochar</i> Abstract	4	2013	Cloquet High School	Female	Carlton	5th
St. Cloud State University - Outstanding Female Scientist	SCSU Outstanding Female Scientist Award	Papisetty	Bhargavi	<i>Forecasting Com Prices in India using ARIMA Model</i> Abstract	1	2014	Wayzata Senior High School	Female	Plymouth	1st

## The National Academies Press

Award	Place	Won By		Title	Region	Grade	School	Gender	City	# Fairs
↑	↑	↑		↑	↑	↑	↑	↑	↑	↑
The National Academies Press Award	8th Grade Award	Karas	Anna	<i>Light it Up</i> Abstract	4	2016	Woodland Middle School	Female	Duluth	1st
The National Academies Press Award	8th Grade Award	Bowen-Bailey	Sylvie	<i>The Advantages of Composting and Recycling: A Study on Waste from Woodland Middle School's Cafeteria</i> Abstract	4	2016	Woodland Middle School	Female	Duluth	1st

The National Academies Press Award	7th Grade Award	World	Adam	How's The Beef? Abstract	4	2017	Woodland Middle School	Male	Duluth	1st
The National Academies Press Award	6th Grade Award	Orth	Skylar	Which Brand of 75 Watt Light Bulb Gives Off the Most Energy? Abstract	12	2018	New Prague Middle School	Male	New Market	1st

### University of Minnesota College of Pharmacy

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
U of MN College of Pharmacy Award	U Of M Pharmacy Award	Pidaparti	Mahati	1	2012	Wayzata Senior High School	Female	Maple Grove	1st
			Early studies on interactions between novel proteins found in a macromolecular metabolic complex in leukemia cells Abstract						

### US Air Force

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
US Air Force Award	Us Air Force Award	Govindarajan	Ishaan	9	2017	Friedell Middle School	Male	Rochester	1st
			What Factors Affect the Efficiency of a DC Series Motor? Abstract						
US Air Force Award	Us Air Force Award	Lax	Nate	12	2014	St. Marys School, Sleepy Eye	Male	Sleepy Eye	4th
		Hirsch	Michael		2014	St. Marys School, Sleepy Eye	Male	Sleepy Eye	4th
US Air Force Award	Us Air Force Award	Campeau	David	9	2013	Mayo High School	Male	Rochester	5th
		Berglund	Spencer		2013	Mayo High School	Male	Rochester	3rd
			Ocular Computer Interface - Electrooculographic Eye Tracking with 6DOF Head Position Compensation Abstract						
US Air Force Award	Us Air Force Award	Ince	Lucas	12	2014	Lakeville North High School	Male	LAKEVILLE	4th
			An Analytical Study of Near Earth Objects in Horseshoe Orbits Abstract						

### US Army

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
US Army Award for Scientific / Engineering Excellence Award	US Army Environmental Sciences Award	Mukherjee	Rahul	9	2012	John Marshall High School	Male	Rochester	2nd
			Restoration of The Great Lakes: A Genetic Study on Zebra And Quagga Mussels To Unfold The Mystery of Calcium (Ca2+) Based Invasion And Its Survival Abstract						
US Army Award for Scientific / Engineering Excellence Award	US Army Physical Sciences Award	Zippel	Savannah	12	2014	MN New Country School	Female	Le Sueur	3rd
			Frack Attack!: Does Hydraulic Fracturing Cause Earthquakes? Abstract						
US Army Award for	US Army	Zhao	Roy	1	2013	Wayzata Senior	Male	Medina	2nd
			New Models for HIV Latency						

Scientific / Engineering Excellence Award	Mathematics/Computer Science Award			Abstract			High School			
US Army Award for Scientific / Engineering Excellence Award	US Army Life Science Award	Panetta	Magdalena	Zebrafish Aquaculture and Reproduction Abstract	9	2014	Mayo High School	Female	Rochester	1st
		Thammavong	Lisa			2014	Mayo High School	Female	Rochester	1st
US Army Award for Scientific / Engineering Excellence Award	US Army Engineering Award	Hamann	Felicia	Producing Water Out of Thin Air Abstract	1	2013	St. Anthony Village Sr. High School	Female	Columbia Heights	1st
US Army Award for Scientific / Engineering Excellence Award	US Army Honorable Mention	Engel	Andrew	Engineering an Optical Cell to Improve Lithium-ion Battery Safety Abstract	1	2012	Breck School, Minneapolis	Male	Hopkins	1st
		Fenn	Alejandro			2012	Breck School, Minneapolis		Minneapolis	1st
US Army Award for Scientific / Engineering Excellence Award	US Army Honorable Mention	Bhattacharya	Anushua	Toxicity of Ag and Au Nanoparticles on Shewanella Oneidensis Abstract	1	2012	East Ridge High School	Female	Woodbury	4th
US Army Award for Scientific / Engineering Excellence Award	US Army Honorable Mention	Lin	Marisa	Maximizing Agricultural Resources through Optimization Abstract	9	2014	Century High School	Female	Rochester	3rd
US Army Award for Scientific / Engineering Excellence Award	US Army Honorable Mention	Naidu	Partha	Characterization and Application of Pseudoisocyanide-Iodide in Optical Devices Abstract	1	2012	Wayzata Senior High School	Male	Plymouth	1st
US Army Award for Scientific / Engineering Excellence Award	US Army Honorable Mention	Weiss	Samuel	Granular Segregation Patterns in a Rotating Drum Abstract	1	2013	Edina High School	Male	Edina	3rd
US Army Award for Scientific / Engineering Excellence Award	US Army Honorable Mention	Xiong	Ying	Biodiesel Synthesis using Waste Animal Adipose Tissue with Unconventional Catalysts and Small-dose Urea Cold Flow Improver Abstract	9	2013	Century High School	Male	Rochester	3rd
US Army Award for Scientific / Engineering Excellence Award	US Army Honorable Mention	Mosloff	Alisha	Frosty Air: How Air Temperature Affects Soil Frost Depth Abstract	2	2012	Lincoln High School, Thief River Falls	Female	Thief River Falls	1st
US Army Award for Scientific / Engineering Excellence Award	US Army Honorable Mention	Merisko	Cole	Diesel vs. Hybrid - Phase II Abstract	4	2012	Hinckley/Finlayson High School	Male	Brook Park	4th
		McEachran	Zac			2012	Hinckley/Finlayson High School	Male	Hinckley	3rd
US Army Award for Scientific / Engineering Excellence Award	US Army Honorable Mention	Bram	Alanna	PCR Based Detection of Current Versus Past Fish Species Infestations in Lake Waters Abstract	9	2015	John Marshall High School	Female	Rochester	4th
US Army Award for Scientific / Engineering Excellence Award	US Army Honorable Mention	Jiang	Hongyi	A Study of the Particle Movement of Tsunamis Abstract	9	2015	Century High School	Male	Rochester	2nd

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
US Metric Association Award	USMA Award	Papisetty	Bhargavi	Forecasting Com Prices in India using ARIMA Model Abstract	1	2014	Wayzata Senior High School	Female	Plymouth	1st

## US Office of Naval Research

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
US Navy - Naval Science Awards	US Navy High School Award	Qorane	Fatuma	Well, It's not exactly rocket science Abstract	3	2014	Al-Amal School	Female	Minneapolis	1st
US Navy - Naval Science Awards	US Navy High School Award	Campeau	David	Ocular Computer Interface - Electrooculographic Eye Tracking with 6DOF Head Position Compensation Abstract	9	2013	Mayo High School	Male	Rochester	5th
		Berglund	Spencer			2013	Mayo High School	Male	Rochester	3rd
US Navy - Naval Science Awards	US Navy High School Award	Carman	Katherine	Dragster Aerodynamics: A Scientific Study on the Effects of Shape on an Object's Aerodynamics Abstract	1	2014	Burnsville High School	Female	Burnsville	1st
US Navy - Naval Science Awards	US Navy High School Award	McCanna	Taylor	Engineering an Inexpensive Mobile Electric Field Mill to Measure the Global Electric Circuit to Track Global Climate Change Abstract	1	2012	Breck School, Minneapolis	Female	St. Louis Park	1st
US Navy - Naval Science Awards	US Navy Middle School Award	Cage	Walker	Washed Away Part 2 Abstract	2	2016	Bagley Secondary School	Male	Bagley	2nd
US Navy - Naval Science Awards	US Navy Middle School Award	Ylitalo	Max	Power Up! Wind Turbine Design Optimization Abstract	1	2016	Oak Land Junior High	Male	Stillwater	1st
US Navy - Naval Science Awards	US Navy Middle School Award	Maloney	Michael	Nerf Gun Abstract	1	2016	St. Charles Borromeo School, Minneapolis	Male	St. Anthony	1st
		Wappes	Joseph			2016		St. Charles Borromeo School, Minneapolis	Male	St. Anthony
US Navy - Naval Science Awards	US Navy Middle School Award	Betts	Sarah	Memory Development and Myelin Growth Abstract	1	2018	Our Lady Of Grace Catholic School	Female	Minneapolis	1st
US Navy - Naval Science Awards	US Navy Middle School Award	Mohr	Anna	Does Memory Improve When multiple Senses are Used? Abstract	12	2016	Cathedral High School	Female	New Ulm	2nd

## US Department of Agriculture - Agricultural Research Service

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
USDA - ARS - St. Paul, MN Award	USDA Plant Scientist High School Award	Klemenhausen	Connor	The Determination of Species Interaction and Contribution to	3	2013	Champlin Park High School	Male	Dayton	4th

				Multifunction Turfgrass Ecosystems Abstract						
USDA - ARS - St. Paul, MN Award	USDA Plant Scientist Middle School Award	Howard	Teresa	The Effect of Biochar on the Root Development of Corn and Soybeans in Minnesota Soil and Sand Abstract	12	2016	New Ulm Area Catholic School	Female	NEW ULM	2nd
USDA - ARS - St. Paul, MN Award	USDA Environmental Science High School Award	Larson	Haleigh	Biodegradation: A Comparative Analysis of the Degradation of Hydrocarbons Using Acclimated Strains of A. faecalis and B. cereus. Abstract	8	2014	Park Christian School	Female	Fargo	2nd
USDA - ARS - St. Paul, MN Award	USDA Environmental Science Middle School Award	Jensen	Marissa	Does Diphenhydramine Affect Daphnia Survival and Reproduction? Abstract	4	2016	Holy Rosary School	Female	Duluth	2nd

### Water Environment Federation

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
Water Enviro. Fed. / Stockholm Junior Water Award	WEF Award	Mukherjee	Rahul		9	2012	John Marshall High School	Male	Rochester	2nd
Water Enviro. Fed. / Stockholm Junior Water Award	WEF Award	Bram	Alanna		9	2015	John Marshall High School	Female	Rochester	4th

### Welsh's Sweeping

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
Welshs Sweeping Northern Star Award	Welch''s Male Award	Rauzi	Joe		4	2016	Woodland Middle School	Male	Duluth	1st
Welshs Sweeping Northern Star Award	Welch''s Female Award	Swift	Robin		12	2017	First Lutheran School, Glencoe, MN	Female	Glencoe	1st

### Wolfram Research Inc.

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs	
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
Wolfram Research Mathematica Software Award	Wolfram Award	Wolf	Joshua		Central	10	Elk River Area High School	Male	Elk River	1st
Wolfram Research Mathematica Software	Wolfram Award	Weis	Rena		South Central,	11	New Prague Senior High		Elko-New Market	1st

Award					Southwest		School			
Wolfram Research Mathematica Software Award	Wolfram Award	Wang	Eva		Twin Cities	12	Breck School, Minneapolis	Female	Minnetonka	1st
Wolfram Research Mathematica Software Award	Wolfram Award	Stensvad	Alexandra		South Central, Southwest	11	Glencoe-Silver Lake High School	Female	Silver Lake	3rd
Wolfram Research Mathematica Software Award	Wolfram Award	Sassenberg	Tyler		South Central, Southwest	9	Gibbon-Fairfax- Winthrop High School	Male	Winthrop	2nd
Wolfram Research Mathematica Software Award	Wolfram Award	Rosemore	Bethany		Northeast	12	Cloquet High School	Female	Cloquet	6th
Wolfram Research Mathematica Software Award	Wolfram Award	Renier	Timothy		Northeast	9	East High School	Male	Duluth	3rd
Wolfram Research Mathematica Software Award	Wolfram Award	Pidaparti	Mahati		Twin Cities	12	Wayzata Senior High School	Female	Maple Grove	1st
Wolfram Research Mathematica Software Award	Wolfram Award	Petersen	Jacob		South Central, Southwest	12	Jackson County Central Senior High School	Male	Jackson	3rd
Wolfram Research Mathematica Software Award	Wolfram Award	Pahl	Bradey		Central	9	Coon Rapids High School	Male	Coon Rapids	1st
Wolfram Research Mathematica Software Award	Wolfram Award	Mukherjee	Rahul		Rochester	12	John Marshall High School	Male	Rochester	2nd
Wolfram Research Mathematica Software Award	Wolfram Award	Moynan	Angela		Northeast	11	Cloquet High School	Female	Cloquet	4th
Wolfram Research Mathematica Software Award	Wolfram Award	Morris	Katie		South Central, Southwest	11	New Prague Senior High School	Female	New Prague	2nd
Wolfram Research Mathematica Software Award	Wolfram Award	Monson	Gage		Central	9	Champlin Park High School	Male	Champlin	1st
Wolfram Research Mathematica Software Award	Wolfram Award	Larson	Haleigh		Western	10	Park Christian School	Female	Fargo	2nd
Wolfram Research Mathematica Software Award	Wolfram Award	Landgraf	Laura		Twin Cities	12	Burnsville High School	Female	Burnsville	2nd



Wolfram Research Mathematica Software Award	Wolfram Award	Lamirande	Alec		Northeast	11	Cloquet High School	Male	Cloquet	5th
Wolfram Research Mathematica Software Award	Wolfram Award	Kloncz	Carissa		Twin Cities	12	Burnsville High School	Female	Burnsville	3rd
Wolfram Research Mathematica Software Award	Wolfram Award	Keller	Ariel		South Central, Southwest	11	Alden	Female	Alden	3rd
Wolfram Research Mathematica Software Award	Wolfram Award	Johnson	Lila		South Central, Southwest	12	Austin High School	Female	Austin	6th
Wolfram Research Mathematica Software Award	Wolfram Award	Jiang	Hongyi		Rochester	9	Century High School	Male	Rochester	2nd
Wolfram Research Mathematica Software Award	Wolfram Award	Jackson	Preston		Northeast	11	Cloquet High School	Male	Cloquet	5th
Wolfram Research Mathematica Software Award	Wolfram Award	Ince	Lucas		South Central, Southwest	10	Lakeville North High School	Male	LAKEVILLE	4th
Wolfram Research Mathematica Software Award	Wolfram Award	Hendrickson	Anna		Twin Cities	12	Breck School, Minneapolis	Female	St. Louis Park	1st
Wolfram Research Mathematica Software Award	Wolfram Award	Green	Margaret		Twin Cities	12	Burnsville High School	Female	Burnsville	1st
Wolfram Research Mathematica Software Award	Wolfram Award	Goldsmith	Jared		Southeast	9	Chatfield High School	Male	Chatfield	1st
Wolfram Research Mathematica Software Award	Wolfram Award	Geesman	Thomas		South Central, Southwest	11	Alden	Male	Wells	3rd
Wolfram Research Mathematica Software Award	Wolfram Award	Fenn	Alejandro		Twin Cities	12	Breck School, Minneapolis		Minneapolis	1st
Wolfram Research Mathematica Software Award	Wolfram Award	Engel	Andrew		Twin Cities	12	Breck School, Minneapolis	Male	Hopkins	1st
Wolfram Research Mathematica Software Award	Wolfram Award	Ekblad	Ellie		Rochester	9	Century High School	Female	Rochester	3rd
Wolfram Research Mathematica Software	Wolfram Award	Campeau	Michelle		Open	9	Mayo High School		Rochester	1st

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
Wolfram Research Mathematica Software Award	Wolfram Award	Butler	Jonah	South Central, Southwest	9	Sibley East-Gaylord Junior High	Male	Glencoe	2nd
Wolfram Research Mathematica Software Award	Wolfram Award	Bunde	Nick	Central	9	Champlin Park High School	Male	Champlin	1st
Wolfram Research Mathematica Software Award	Wolfram Award	Bhattacharya	Anushua	Twin Cities	12	East Ridge High School	Female	Woodbury	4th

### WSB & Associates, Inc.

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
WSB Engineering Excellence Award	WSB Award	Ylitalo	Max	1	2016	Oak Land Junior High	Male	Stillwater	1st

### Yale Science & Engineering Association, Inc.

Award	Place	Won By	Title	Region	Grade	School	Gender	City	# Fairs
Yale Science & Engineering Association Award	Yale Award	Weiss	Samuel	1	2013	Edina High School	Male	Edina	3rd
Yale Science & Engineering Association Award	Yale Award	Campeau	David	9	2013	Mayo High School	Male	Rochester	5th
		Berglund	Spencer		2013	Mayo High School	Male	Rochester	3rd

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