

2003 Intel NWSE Special Awards

<i>Division</i>	<i>Award</i>	<i>Student(s)</i>	<i>School/Organization</i>	<i>Project Title</i>
HS	Army Outstanding High School Project in Engineering <i>Sponsor:</i> Army Research Office, U.S. Army	Julian Potter <i>Award Description:</i>	Oregon Episcopal Upper School Certificate and Savings bond (\$100), Medallion	Building a Cost-Effective and Efficient Solar Desalinization Plant
HS	Army Outstanding High School Project in Environmental Science <i>Sponsor:</i> Army Research Office, U.S. Army	Mike Olson <i>Award Description:</i>	Gold Beach High School Certificate and Savings bond (\$50)	Wildfire Sterilized Soils and Rhizosphere Recovery
HS	Army Outstanding High School Project in Life Sciences <i>Sponsor:</i> Army Research Office, U.S. Army	Sam Asarnow <i>Award Description:</i>	Oregon Episcopal Upper School Certificate and Savings bond (\$50)	Proteolytic Enzyme Production in the Insectivorous Plant Sundew (<i>Drosera adalae</i>) in Response to Prey Stimulation
HS	Army Outstanding High School Project in Mathematics/Computer Science <i>Sponsor:</i> Army Research Office, U.S. Army	Nathan Matsuda <i>Award Description:</i>	Catlin Gabel Upper School Certificate and Saving bond (\$50)	A Spline-Based Frame Interpolation Tool
HS	Army Outstanding High School Project in Physical Sciences <i>Sponsor:</i> Army Research Office, U.S. Army	Vanessa Spini <i>Award Description:</i>	Gold Beach High School Certificate and Savings bond (\$50)	Absorption of Radioactive Isotopes Using Nature Zeolites
HS	Best in Systems, Man and Cybernetics <i>Sponsor:</i> IEEE Oregon	Karl Kuchs <i>Award Description:</i>	Oregon Episcopal Upper School	An Investigation of Group Robotics within a Colony Setting
HS	Century of Flight Award <i>Sponsor:</i> U.S. Air Force	Matt Herberling <i>Award Description:</i>	La Salle High School Tee shirt, advance to next level of competition	Aerodynamics- how lift can be improved and how different wing shapes are affected.
HS	Century of Flight Award <i>Sponsor:</i> U.S. Air Force	Lane Musgrave <i>Award Description:</i>	Oregon Episcopal Upper School Tee shirt, advance to next level of competition	A Study of Flight: The Comparison of Lift Produced by Two Balsa Wood Model Wings
HS	Century of Flight Award <i>Sponsor:</i> U.S. Air Force	Blake Duffy, Jimmy Hennessy <i>Award Description:</i>	La Salle High School Tee shirt, advance to next level of competition	Ballistic Analysis
HS	Excellence in Statistics <i>Sponsor:</i> American Statistical Association	Holland MacLaurie <i>Award Description:</i>	Gold Beach High School \$75	Genotypic Separation in Noble Fir Populations from the Coast and Cascade Ranges of Oregon
HS	Excellence in Statistics <i>Sponsor:</i> American Statistical Association	Mike Olson <i>Award Description:</i>	Gold Beach High School \$75	Wildfire Sterilized Soils and Rhizosphere Recovery
HS	Excellence in Statistics <i>Sponsor:</i> American Statistical Association	Katherine Murphy <i>Award Description:</i>	Oregon Episcopal Upper School \$75	Spatial Avoidance of Competition by the Green Winged Teal and Northern Shoveler on a Freshwater Marsh
HS	Herbert Hoover Young Engineer Award <i>Sponsor:</i> Herbert Hoover Presidential Library Association	Parvathy Menon <i>Award Description:</i>	Westview High School Medallion, certificate	Design and Fabrication of Planar Glucose Sensor Arrays
HS	Most Effective Use of Photography <i>Sponsor:</i> Eastman Kodak Company	Lauren Westlund <i>Award Description:</i>	Oregon Episcopal Upper School Certificate, Photo Kit to student & teacher	Comparison of Projectile Points from the Morand-1 Site and the Burnett Site

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HS	Naval Excellence in Science and Engineering Award	Monika Wieland	Merlo Station High School	Beneath the Waves: A Study of Boats and Orca Vocalizations
<i>Sponsor:</i>	Office of Naval Research, US Navy and Marine Corps	<i>Award Description:</i>	Certificate and graphing calculator	
HS	Naval Excellence in Science and Engineering Award	Makely Lyon	Oregon Episcopal Upper School	Correlation Analysis of Climatic Parameters by Latitude versus Galactic Cosmic Ray Flux and Solar Activity: Evidence for Naturally Caused Global Warming
<i>Sponsor:</i>	Office of Naval Research, US Navy and Marine Corps	<i>Award Description:</i>	Certificate and graphing calculator	
HS	Naval Excellence in Science and Engineering Award	Brittany Robbins	Gold Beach High School	Variables Influencing Electrokinetic Remediation of Heavy Metal Pollutants in Soil
<i>Sponsor:</i>	Office of Naval Research, US Navy and Marine Corps	<i>Award Description:</i>	Certificate and graphing calculator	
HS	Naval Excellence in Science and Engineering Award	Vanessa Spini	Gold Beach High School	Absorption of Radioactive Isotopes Using Nature Zeolites
<i>Sponsor:</i>	Office of Naval Research, US Navy and Marine Corps	<i>Award Description:</i>	Certificate and graphing calculator	
HS	Outstanding Air Quality Project	Stephanie Phillips	Oregon Episcopal Upper School	The Relationship Between Weather Conditions and Industrial Pollution
<i>Sponsor:</i>	Southwest Clean Air Agency	<i>Award Description:</i>	Plaque	
HS	Outstanding Aquatic Related Environmental Science Project	Michael Chau	Oregon Episcopal Upper School	The Effect of Ambient Temperature on the Degradation of Microcystin-LR Toxin
<i>Sponsor:</i>	Lake Oswego Corporation	<i>Award Description:</i>	\$50	
HS	Outstanding Chemistry Project	Whetherly Cundiff	Southridge High School	Role of Creatine Kinase in Mammalian Tissue
<i>Sponsor:</i>	American Chemical Society, Portland Section	<i>Award Description:</i>	\$250, certificate	
HS	Outstanding Chemistry Related Project	Whetherly Cundiff	Southridge High School	Role of Creatine Kinase in Mammalian Tissue
<i>Sponsor:</i>	Iota Sigma Pi	<i>Award Description:</i>	\$25, book, certificate	
HS	Outstanding Communications Engineering Project	Brient Hess	Merlo Station High School	Exploration of Methods for Distributed Computing
<i>Sponsor:</i>	IEEE Communication Society	<i>Award Description:</i>	shirt and certificate	
HS	Outstanding Computer Engineering Project	Karl Kuchs	Oregon Episcopal Upper School	An Investigation of Group Robotics within a Colony Setting
<i>Sponsor:</i>	IEEE Computer Society	<i>Award Description:</i>	plaque and certificate	
HS	Outstanding Computer Software Project	Robert Burgess	Merlo Station High School	Polynomial Regression on Two-dimensional Matrices for Storage and Compression of Images
<i>Sponsor:</i>	IEEE Computer Society	<i>Award Description:</i>	Certificate and shirt	
HS	Outstanding Electrical or Computer Engineering Project	Karl Kuchs	Oregon Episcopal Upper School	An Investigation of Group Robotics within a Colony Setting
<i>Sponsor:</i>	American Electronics Association	<i>Award Description:</i>	Certificate	

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HS	Outstanding Engineering Project <i>Sponsor:</i> IEEE Oregon	Karl Kuchs <i>Award Description:</i>	Oregon Episcopal Upper School Certificate and shirt	An Investigation of Group Robotics within a Colony Setting
HS	Outstanding Geology Project <i>Sponsor:</i> Cascade Volcano Observatory	Will Taylor <i>Award Description:</i>	Gold Beach High School T-shirt	Debris Flow Flume Testing Of Soil Stability Treatments
HS	Outstanding Geology Project <i>Sponsor:</i> Cascade Volcano Observatory	Allison Blackwell <i>Award Description:</i>	Gold Beach High School T-shirt	Correlation Analysis of Factors Which Predict Lightning Strikes
HS	Outstanding Geology Project <i>Sponsor:</i> Cascade Volcano Observatory	Mariam Totonchy <i>Award Description:</i>	Oregon Episcopal Upper School T-shirt	Correlating Volcanic Activity on Io with the Amount of Dust in the Jovian System from 1996-2002
HS	Outstanding Geoscience Project <i>Sponsor:</i> Association Of Women Geoscientists	Mariam Totonchy <i>Award Description:</i>	Oregon Episcopal Upper School certificate	Correlating Volcanic Activity on Io with the Amount of Dust in the Jovian System from 1996-2002
HS	Outstanding Mathematics Project <i>Sponsor:</i> Oregon Council of Teachers of Mathematics	Robert Burgess <i>Award Description:</i>	Merlo Station High School Plaque	Polynomial Regression on Two-dimensional Matrices for Storage and Compression of Images
HS	Outstanding Optics Award <i>Sponsor:</i> InFocus Corporation	Randy Herron <i>Award Description:</i>	Southridge High School Projector for the teacher	Microlenses- An Application in Nano-scale Lithography
HS	Outstanding Oral Biology Project <i>Sponsor:</i> OHSU School of Dentistry	Stephanie Dost <i>Award Description:</i>	Columbia River High School \$25	The Effect of Soda Pop on Eggshells
HS	Outstanding Project by an 11th Grade Student <i>Sponsor:</i> Yale University Science and Engineering Association	Yvonne Yamanaka <i>Award Description:</i>	Oregon Episcopal Upper School Certificate, medallion	Synthesis and Evaluation of Molecularly Imprinted Polymers for the Enantiomeric Resolution of D- and L- Phenylalanine in Aqueous Solutions
HS	Outstanding Project in In Vitro Biology <i>Sponsor:</i> Society for in Vitro Biology	Briana Carp <i>Award Description:</i>	Oregon Episcopal Upper School Certificate	A Study of Two Disinfectants to Eliminate Pseudomonas fluorescens and Staphylococcus epidermidis Grown Planktonically and in Biofilms from Soft Contact Lenses
HS	Outstanding Project in Materials Science <i>Sponsor:</i> ASM International Foundation	Michael Coulter <i>Award Description:</i>	Oregon Episcopal Upper School certificate	Catalytic Growth of Zirconium Oxide Nanowires and their Electron Field Emission Properties
HS	Outstanding Project in Meteorology, Oceanic or Atmospheric Sciences <i>Sponsor:</i> American Meteorological Society	Makely Lyon <i>Award Description:</i>	Oregon Episcopal Upper School certificate	Correlation Analysis of Climatic Parameters by Latitude versus Galactic Cosmic Ray Flux and Solar Activity: Evidence for Naturally Caused Global Warming
HS	Outstanding Project in Meteorology, Oceanic or Atmospheric Sciences <i>Sponsor:</i> American Meteorological Society	Wesley Williams <i>Award Description:</i>	Southridge High School certificate	Affect of Water Vapor on Greenhous Gases

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HS	Outstanding Project in Nuclear Science/Engineering	Vanessa Spini	Gold Beach High School	Absorption of Radioactive Isotopes Using Nature Zeolites
	<i>Sponsor:</i> Packaging Technology, INC		<i>Award Description:</i>	Student membership in American Nuclear Society, certificate
HS	Outstanding Project in Plant Biology	Andrew Platt	Oregon Episcopal Upper School	Photosynthetic Variations in Marine Algae
	<i>Sponsor:</i> OSU Department of Botany and Plant Pathology		<i>Award Description:</i>	\$50 and certificate
HS	Outstanding Project in Power Engineering	Saeyoon Baik, Paul Jang	Oregon Episcopal Upper School	A New Method of Manufacturing A Silicon Solar Cell
	<i>Sponsor:</i> IEEE Oregon Power Society		<i>Award Description:</i>	Certificate and shirt
HS	Outstanding Project in Surface Physics or Microelectronics	Michael Coulter	Oregon Episcopal Upper School	Catalytic Growth of Zirconium Oxide Nanowires and their Electron Field Emission Properties
	<i>Sponsor:</i> American Vacuum Society, NW section		<i>Award Description:</i>	\$150
HS	Outstanding Project in the Environmental Sciences Emphasizing Solutions	Ember Morton	Columbia River High School	The Effect of Kline Line Pond on Salmon Creek
	<i>Sponsor:</i> Environmental Educators Association of Oregon		<i>Award Description:</i>	\$50
HS	Outstanding Project in Vehicular Technology	Nathan Reed	Columbia River High School	A Comparison of Pathfinding Algorithms
	<i>Sponsor:</i> IEEE Oregon		<i>Award Description:</i>	shirt and Certificate
HS	Outstanding Science Project About Forests	Holland MacLaurie	Gold Beach High School	Genotypic Separation in Noble Fir Populations from the Coast and Cascade Ranges of Oregon
	<i>Sponsor:</i> Pacific NW Research Station, USDA Forest Service		<i>Award Description:</i>	Plaque
HS	Project Best Illustrating Surgeon General's Health Recommendations	Helen Chow	Oregon Episcopal Upper School	Green Tea and its Effect on the Emulsification and Chemical Digestion of Lipids
	<i>Sponsor:</i> US Public Health Service		<i>Award Description:</i>	Certificate
HS	Studies in Aging	Ceely Will	Gold Beach High School	The Creative Age
	<i>Sponsor:</i> Gerontology Associates		<i>Award Description:</i>	\$25
HS	Studies in Aging	Adrienne Chesser	Grant High School	Mechanisms Underlying the Isoform Specific Effects of ApoE on GR-mediated Transcriptional Activation
	<i>Sponsor:</i> Gerontology Associates		<i>Award Description:</i>	\$25
HS	U.S. Regional Stockholm Junior Water Prize	Katie Herbage	Gold Beach High School	Wood Fiber Filters as Water Contaminant Removal Systems
	<i>Sponsor:</i> Water Environment Federation		<i>Award Description:</i>	Certificate, invitation to compete for State Stockholm Junior Water Prize
MS	Best Project by a 5th or 6th Grade Student	Alexis Shusterman, Emma Pfohman	WinterHaven Middle School	WATER CONDUCTIVITY
	<i>Sponsor:</i> Pacific NW Society for Coating Technology		<i>Award Description:</i>	\$50
MS	Best Project in Optical Science and Engineering	Lenka Ilcisin	Oregon Episcopal Middle School	Let there Be Light
	<i>Sponsor:</i> SPIE-The International Society for Optical Engineering		<i>Award Description:</i>	Certificate

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MS	Creative Use of Technology for Data Collection	Monica Sheer	Oregon Episcopal Middle School	Effect of Temperature on Solar Cells
<i>Sponsor:</i>	Texas Instruments	<i>Award Description:</i>	A TI-83 Silver and a CBL 2 data collection system for the student and their teacher	
MS	Discovery Channel Young Scientist Challenge Nomination	Briana Mitchell	Highland Park Middle School	Zapped With Zinc
<i>Sponsor:</i>	Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Lauren Cox	Hedrick Middle School	The effects of overpopulation on guppies
<i>Sponsor:</i>	Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Lauren Gambee	Hoover Elementary School	Eyewitness Report
<i>Sponsor:</i>	Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Alexis Shusterman, Emma Pfohman	WinterHaven Middle School	WATER CONDUCTIVITY
<i>Sponsor:</i>	Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Matt Eshelman, Geoff Groner	Oregon Episcopal Middle School	Which Water Source Will Grow the Most Bacteria
<i>Sponsor:</i>	Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Katie ODonnell	St. John Fisher School	Operant Conditioning: Mazes vs. Gender
<i>Sponsor:</i>	Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Rebecca Holliday	Mt. Vernon Middle School	Effects of Mouthwash on Bacteria
<i>Sponsor:</i>	Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	

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MS	Discovery Channel Young Scientist Challenge Nomination	MaCall Marstall	Riley Creek Elem	Does Solitary Living or Social Interactions and Gender of an Organism Affect its Life Span?
	<i>Sponsor:</i> Discovery Communications, Inc		<i>Award Description:</i> Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Alex Carey	Riley Creek Elem	Can Your Body's Involuntary Nervous System be Affected by Other's Thoughts or Intentions?
	<i>Sponsor:</i> Discovery Communications, Inc		<i>Award Description:</i> Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Kaylee Gaman	St. John Fisher School	Do Aromas Make You Feel the Way They Advertise?
	<i>Sponsor:</i> Discovery Communications, Inc		<i>Award Description:</i> Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Elliott Scheer, Nathan Hayes	Oregon Episcopal Middle School	Out of the Fuels Chosen, Which One Burns the Hottest?
	<i>Sponsor:</i> Discovery Communications, Inc		<i>Award Description:</i> Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Joseph Carpenter	WinterHaven Middle School	Probability in a Bus System
	<i>Sponsor:</i> Discovery Communications, Inc		<i>Award Description:</i> Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Monica Sheer	Oregon Episcopal Middle School	Effect of Temperature on Solar Cells
	<i>Sponsor:</i> Discovery Communications, Inc		<i>Award Description:</i> Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Saskia Mariike Ilcisin, Jennifer Joy VanderWeele	Oregon Episcopal Middle School	How does air pressure in a soccer ball affect the distance it is kicked?
	<i>Sponsor:</i> Discovery Communications, Inc		<i>Award Description:</i> Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Anlin Xue, Brian Liu	Stoller Middle School	The Effect of Wind Speeds, Angles of Attack and Shape of Airfoils on the Lifting Force
	<i>Sponsor:</i> Discovery Communications, Inc		<i>Award Description:</i> Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	

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MS	Discovery Channel Young Scientist Challenge Nomination	Katie Van der Weele, Chris Chapman, Dylan Page, Zack Wadsworth	Oregon Episcopal Middle School	How Does Filtering Through Different Types of Media Affect the Ammonium and Nitrate Levels of Tap Water with Varying Amounts of Miracle Gro?
	<i>Sponsor:</i> Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Alicia Enriquez, Erika Schuartz	Girl Scouts - Col. River Council	Bass Space
	<i>Sponsor:</i> Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Tanner Mathison	Riley Creek Elem	Turbine Axis Orientation - Is a Vertical Axis or a Horizontal Axis Wind Turbine more efficient at generating power
	<i>Sponsor:</i> Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Chris Ortigoza	Pilgrim Lutheran School	How does wind, rain, and temperatire changes wear down and erode mountains?
	<i>Sponsor:</i> Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	PJ Sequeria	Leslie Middle School	What's Hot? WHAT's Not?
	<i>Sponsor:</i> Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Erika Foster	St. John Fisher School	Percolation and Infiltration Through Various Soil Types: How Water Moves Through Soil
	<i>Sponsor:</i> Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Eric Wilson, Alexander Tallian	Oregon Episcopal Middle School	The Voltage of Iontophoresis
	<i>Sponsor:</i> Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Robert Baxter	Highland Park Middle School	Salinity Vs. Conductivity
	<i>Sponsor:</i> Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	

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MS	Discovery Channel Young Scientist Challenge Nomination	Katie van Monter	daVinci Arts Middle School	How does glucose effect plants?
<i>Sponsor:</i>	Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Discovery Channel Young Scientist Challenge Nomination	Andrew Mintner	Fowler Middle School	FastDocument Update Helper: Software Update Manager
<i>Sponsor:</i>	Discovery Communications, Inc	<i>Award Description:</i>	Certificate, lapel pin and they are nominated to enter the Discovery Channel Young Scientist Challenge and compete against middle school students nation wide for a trip to compete at the Smithsonian in Washington, DC.	
MS	Excellence in Statistics	Denise Yeung	Highland Park Middle School	Parachute Size Vs. Object Weight
<i>Sponsor:</i>	American Statistical Association	<i>Award Description:</i>	\$50	
MS	Excellence in Statistics	Kim Liu, Hannah Jarman-Miller	Highland Park Middle School	Man's Best Friend, a Dog's Compatibilitywith Humans
<i>Sponsor:</i>	American Statistical Association	<i>Award Description:</i>	\$50	
MS	Herbert Hoover Young Engineer Award	Tanner Mathison	Riley Creek Elem	Turbine Axis Orientation - Is a Vertical Axis or a Horizontal Axis Wind Turbine more efficient at generating power
<i>Sponsor:</i>	Herbert Hoover Presidential Library Association	<i>Award Description:</i>	Medallion, certificate	
MS	Most Effective Use of Photography	Kim Liu, Hannah Jarman-Miller	Highland Park Middle School	Man's Best Friend, a Dog's Compatibilitywith Humans
<i>Sponsor:</i>	Eastman Kodak Company	<i>Award Description:</i>	Certificate, Photo Kit to student & teacher	
MS	Outstanding Air Quality Project	Youcef Salem Abdelgader	Islamic School-Muslim Ed. Trust	Does second hand smoke affect Kids?
<i>Sponsor:</i>	Southwest Clean Air Agency	<i>Award Description:</i>	Plaque	
MS	Outstanding Aquatic Related Environmental Science Project	Allison Krause, Casey von Ofenheim, Sarah Canepa	Oregon Episcopal Middle School	The Days of Our Daphnia
<i>Sponsor:</i>	Lake Oswego Corporation	<i>Award Description:</i>	\$50	
MS	Outstanding Electromagnetic Compatibility Project	Ravi Garg, Prakash Bhasker	Oregon Episcopal Middle School	What is the Effect of Voltage on the Electromagnetic field of an Electromagnet?
<i>Sponsor:</i>	IEEE Oregon Electromagnetic Compatibility Society	<i>Award Description:</i>	Certificate and shirt	
MS	Outstanding Geoscience Project	Erika Foster	St. John Fisher School	Percolation and Infiltration Through Various Soil Types: How Water Moves Through Soil
<i>Sponsor:</i>	Association Of Women Geoscientists	<i>Award Description:</i>	certificate	
MS	Outstanding Mathematics Project	Joseph Carpenter	WinterHaven Middle School	Probability in a Bus System
<i>Sponsor:</i>	Oregon Council of Teachers of Mathematics	<i>Award Description:</i>	Plaque	
MS	Outstanding Oral Biology Project	Kasey Grewe, Jessica Tsao	Oregon Episcopal Middle School	The effects of tooth whiteners on teeth
<i>Sponsor:</i>	OHSU School of Dentistry	<i>Award Description:</i>	\$25	

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MS	Outstanding Project in Materials Science <i>Sponsor:</i> ASM International Foundation	Krishna Veni <i>Award Description:</i>	Highland Park Middle School Certificate	Materials Resistance to Heat Loss
MS	Outstanding Project in Meteorology, Oceanic or Atmospheric Sciences <i>Sponsor:</i> American Meteorological Society	PJ Sequeria <i>Award Description:</i>	Leslie Middle School certificate	What's Hot? WHAT's Not?
MS	Outstanding Project in Meteorology, Oceanic or Atmospheric Sciences <i>Sponsor:</i> American Meteorological Society	Andrea Black <i>Award Description:</i>	Pilgrim Lutheran School certificate	Why does the sky change color?
MS	Outstanding Project in Power Engineering <i>Sponsor:</i> IEEE Oregon Power Society	Tanner Mathison <i>Award Description:</i>	Riley Creek Elem Certificate and shirt	Turbine Axis Orientation - Is a Vertical Axis or a Horizontal Axis Wind Turbine more efficient at generating power
MS	Outstanding Project in Surface Physics or Microelectronics <i>Sponsor:</i> American Vacuum Society, NW section	Rita Hepler <i>Award Description:</i>	Visitation Grade School \$75	The Effect of Surface Type and Angle of Incline on Potential to Kinetic Transfer
MS	Outstanding Project in the Environmental Sciences Emphasizing Solutions <i>Sponsor:</i> Environmental Educators Association of Oregon	Eric Larsen <i>Award Description:</i>	St. John Fisher School \$50	Relationship of Temperature, Ph, Turbidity, and Dissolved Oxygen Levels to Weather Conditions in North Ash Creek.
MS	Outstanding Project in Water Quality <i>Sponsor:</i> U.S. Geological Survey	Brian Bellinger <i>Award Description:</i>	Visitation Grade School T-shirt	Water vs. Water
MS	Outstanding Project in Water Quality <i>Sponsor:</i> U.S. Geological Survey	Erika Foster <i>Award Description:</i>	St. John Fisher School T-shirt	Percolation and Infiltration Through Various Soil Types: How Water Moves Through Soil
MS	Outstanding Project Influencing Corrosion Awareness/Control <i>Sponsor:</i> NACE International	Avery Sills, Elle Alexander <i>Award Description:</i>	Oregon Episcopal Middle School Plaque	What is the Rate and Quantity of Rust on Different Iron-based Metals Soaked in Water?
MS	Outstanding Science Project About Forests <i>Sponsor:</i> Pacific NW Research Station, USDA Forest Service	Mariea Mustafa, Aaya Yassin <i>Award Description:</i>	Islamic School-Muslim Ed. Trust Plaque	Acid Rain, is it a problem?
MS	Studies in Aging <i>Sponsor:</i> Gerontology Associates	MaCall Marstall <i>Award Description:</i>	Riley Creek Elem \$25	Does Solitary Living or Social Interactions and Gender of an Organism Affect its Life Span?