

2011 Final Awards – ND State Science and Engineering Fair

Senior Division Sweepstakes Winners

The first place (sweepstakes) winner received a gold state plaque, a hooded sweatshirt, a \$500 cash award and \$12,000 scholarship (\$3,000 per year – 4 years) to the University of North Dakota and will advance to the ISEF in Los Angeles California in May and will exhibit his/her project.

The second place (sweepstakes runner-up) winner received a silver state plaque, a hooded sweatshirt, a \$250 cash award and a \$10,000 scholarship (\$2,500 per year – 4 years) to the University of North Dakota and will advance to the ISEF in Los Angeles California in May and will exhibit his/her project.

The third place (sweepstakes 2nd runner-up) winner received a state plaque, a hooded sweatshirt, a \$150 cash award and will advance to the ISEF in Los Angeles California in May and will exhibit his/her project.

Senior Division – 1st Place – Sweepstakes Winner

Lindsey Stein, Hankinson School District , "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

Senior Division – 2nd Place – Sweepstakes Runner-Up

Tanner Coppin, Hankinson School District , "The Agricultural Impact of Curlycup Gumweed on Barley Cultivars"

Senior Division – 3rd Place – Sweepstakes Second Runner-Up

Dre Steinwehr, Hankinson School District , "The Biocidal Attributes of the Family Lamiaceae"

Senior Division Place Winners

The first and second place winners received a gold plaque and hooded sweatshirt and will advance to the ISEF in Los Angeles California in May and will exhibit their project.

All third and fourth place winners received a silver plaque and are alternates to the ISEF in Los Angeles California in May but will not exhibit their project unless a first or second place winner cannot attend.

Norhtwest Region

1st Place - Jessa Zimmerman, Trenton School District , "Salty Situation"

2nd Place - Sarah Telehey, Williston Trinity Christian School District , "Strong Soil - Safe Roads"

3rd Place - Kodi Brodhead, Trenton School District , "Baby Got Bac...teria"

4th Place - Jasmine Kreft, Williston Trinity Christian School District , "Asthma Attack"

Northeast Region

1st Place - Vahid Fazel-Rezai, G.F.Red River School District , "Mathematical Flowers: Patterns in Dots Generated by Intersecting Points"

2nd Place - Rheanna Quam, Dakota Prairie School District , "The Effect of Common Drugs on the Heart Rate of Daphnia magna"

3rd Place - Bill Klose, Valley/Edinburg School District , "Placement of Trailer's Axle for Best Weight Displacement"

(1st Place winner is the only presenter from region at ISEF.)

Southwest Central Region

1st Place - Emme Hulm, Strasburg School District , "Heat Loss vs Roof Types"

2nd Place - Matthew Schaeftbauer, Strasburg School District , "Dairy Farmers Dream III"

3rd Place - Suzanne Ternes, Strasburg School District , "Cold Pack Chemistry"

4th Place -- Kellie Tougas, Strasburg School District , "What Type of Solvent Causes Marble to Deteriorate?"

5th Place - Sarah Scaff, Grant County School District , "Measuring Knee Stress"

(1st, 2nd, and 3rd Place Winners are Presenters at ISEF)

Southeast Central Region

1st Place - Tyler Toepke Floyd, Wishek School District , "Size Does Matter, But Does Shape?"

2nd Place - Ben Schuler, Wishek School District , "Light Speed II"

3rd Place - Nicholas Knoblich, Ashley School District , "Magnetic Water Treatment"

4th Place - Tucker Meidinger, Ashley School District , "Does Food Fat Effect Pain Relievers"

Southeast Region

1st Place - Caleb Meyer, Hope School District , "Natural Selection"

2nd Place - Jennifer Riemann, Hankinson School District , "The Antibacterial and Preserving Abilities of Wildflower Extracts"

3rd Place - Gage Metzen, Hankinson School District , "The Phytoremediation Properties of Aquatic Plants on River Water"

4th Place - Kelsey Gaukler, Hankinson School District , "The Analysis of Lake Water Quality and Its Effects on Crayfish Growth"

Junior Division Sweepstakes Winners

The first place (Sweepstakes) winner received a gold state plaque and a \$100 cash award from the North Dakota State Science and Engineering Fair Association.

The second place (Sweepstakes Runner-Up) winner received a silver state plaque and a \$50 cash award from the North Dakota State Science and Engineering Fair Association.

Junior Division 1st Place – Sweepstakes Winner

Grady Mauch, Hankinson School District , "The Pesticidal Aspects of the Aster Family on Beta vulgaris"

Junior Division 2nd Place – Sweepstakes Runner-Up

Hunter Pinke, Wishek School District , "What are the breaking points of different species of wood"

Junior Division Place Winners

All first and second place winners received a gold plaque. All third and fourth place winners received a silver plaque.

Northwest Region

1st Place - Bailey Hagen, Trenton School District , "You Can't Resist Me!"

2nd Place - Cheyenne Liedle, Tioga School District , "Nothing But Net"

3rd Place - Trinda Eubanks, Williston Trinity Christian School District , "Fading Flowers"

4th Place - Kelsey Guttormson, Tioga School District , "Crazy Colors"

Northeast Region

1st Place - Hayley Fingarson, Valley/Edinburg School District , "Eliminating Bacteria From Dish Cloths"

2nd Place - Abbie Sondeland, Valley/Edinburg School District , "Safety of Fabrics Around Open Flame"

3rd Place - Selena Hobbs, Valley/Edinburg School District , "Effect of the Color of Light on Growth and Chlorophyll Content of Ivy"

4th Place - Josh Holm, Valley/Edinburg School District , "Effect of Design on Bridge Efficiency"

Southwest Central Region

- 1st Place - Megan Steinmetz, Grant County School District , "Are They Safe?"
- 2nd Place - Natalie Duppong, Glen Ullin School District , "Are You in Your Right Mind"
- 3rd Place - Tanner Sehn, Linton School District , "Stretch It to Test It"
- 4th Place - Lucas Nistler, Golva School District , "Melting Matters"

Southeast Central Region

- 1st Place - Grace Schuler, Wishek School District , "Hydroponics: Well Water vs. Reverse Osmosis"
- 2nd Place - Sean Loken, Wishek School District , "B.E.A.M. solar energy engine technology "
- 3rd Place - Brenna Ketterling, Wishek School District , "Fertilizer affect on Soy Beans"
- 4th Place - Katelyn Fastnacht, Ellendale School District , "A Clear Solution"

Southeast Region

- 1st Place - Paige Buck, Hankinson School District , "A Comparative Study of Poultry Supplements on Gallus domesticus"
- 2nd Place - Matthias Larson, Oak Grover Lutheran School District , "Snails Choice: Native Invasive"
- 3rd Place - Wyatt Wilm, Hankinson School District , "The Comparison of Commercial and Natural Liquid Hand Soaps"
- 4th Place - Betsy Asp, Hankinson School District , "The Enhancing Impacts of Herbs on Garden Beans"

Aerospace Sciences

UND John D. Odegard School of Aerospace Sciences

Project in Aerospace or Computer Science

1 Winner: Junior Division: A Cash Award of \$50 And a Certificate

Hudson McHenry, Kidder Co. Tappen School District , "Which Wind Blade Design Works the Best?"

UND John D. Odegard School of Aerospace Sciences

Project in Aerospace or Computer Science

1 Winner: Senior Division: A Cash Award of 100 And a Certificate

Caleb Meyer, Hope School District , "Natural Selection"

Agriculture

UND Graduate School

Project Related to Agriculture

1 Winner: Junior Division: A Cash Award of \$50 And a Certificate

Paige Buck, Hankinson School District , "A Comparative Study of Poultry Supplements on Gallus domesticus"

UND Graduate School

Project Related to Agriculture

1 Winner: Senior Division: A Cash Award of \$100 And a Certificate

Lindsey Stein, Hankinson School District , "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

North Dakota Soil Conservation District/Auxiliary

Project Related to Soil Conservation

1 Winner: Senior Division: A Cash Award of \$75 And a Certificate

Trena Poole, Williston Trinity Christian School District , "Yeast Effect"

North Dakota Soil Conservation District/Auxiliary

Project Related to Soil Conservation

1 Winner: Senior Division: A Cash Award of \$25 And a Certificate

Lydia Kinneberg, Dakota Prairie School District , "Phytoremediation"

North Dakota Soil Conservation District/Auxiliary

Project Related to Soil Conservation

1 Winner: Junior Division: A Cash Award of \$75 And a Certificate

Grady Mauch, Hankinson School District , "The Pesticidal Aspects of the Aster Family on Beta vulgaris"

North Dakota Soil Conservation District/Auxiliary

Project Related to Soil Conservation

1 Winner: Junior Division: A Cash Award of \$25 And a Certificate

Carter Mauch, Hankinson School District , "The Effects of Weed Extracts on Glycine max"

Farmers Union Insurance - North Dakota

Project Related to Agriculture

2 Winners: Senior Division: A Cash Award of \$50 And a Certificate

Tanner Coppin, Hankinson School District , "The Agricultural Impact of Curlycup Gumweed on Barley Cultivars"

Jonathan Ketterling, Wishek School District , "Advanced Genetic Intervention"

Farmers Union Insurance - North Dakota

Project Related to Agriculture

2 Winners: Junior Division: A Cash Award of \$25 And a Certificate

Lisa Buckhaus, Hankinson School District , "The Effedts of DDG on the Weight Gain and Mental Ability of Rats"

Betsy Asp, Hankinson School District , "The Enhancing Impacts of Herbs on Garden Beans"

Arts and Sciences

Association of North Dakota Geographers

Project in the Field of Social Science

1 Winner: Senior Division: Monetary award of \$125 and a certificate

Morgan Uriell, Lakota School District , "talkin 2 my friends"

Biochemistry

North Dakota State Science and Engineering Fair Association

Project in Field of Biochemistry

1 Winner: Junior Division: A Cash Award of \$25 And A Certificate

Alyssa Beeson, Hankinson School District , "Juice Potential and the Vitamin C Content of Citrus Fruits"

North Dakota State Science and Engineering Fair Association

Project in Field of Biochemistry

1 Winner: Senior Division: A Cash Award of \$25 And A Certificate

Tucker Meidinger, Ashley School District , "Does Food Fat Effect Pain Relievers"

Biology, Life Science, Animal Science, Plant Science

UND Department of Biology

Project in Biology

1 winner: Junior Division: Monetary award of \$50 and a certificate

Paige Buck, Hankinson School District , "A Comparative Study of Poultry Supplements on Gallus domesticus"

UND Department of Biology

Project in Biology

1 winner: Senior Division: Received Monetary award of \$100 and a \$300 UND Biology scholarship and a certificate

Jessa Zimmerman, Trenton School District , "Salty Situation"

Business Administration

UND College of Business and Public Administration

Project Related to Economics, Technology, or Information Systems

1 Winner: Junior Division: A Cash Award of \$50 And a Certificate

Alycia McGlothlin, Williston Trinity Christian School District , "Incandescent Vs CFL - Battle Of The Bulbs"

UND College of Business and Public Administration

Project Related to Economics, Technology, or Information Systems

1 Winner: Senior Division: A Cash Award of \$100 And a Certificate

Dre Steinwehr, Hankinson School District , "The Biocidal Attributes of the Family Lamiaceae"

Chemistry

UND Department of Chemistry

Project in Chemistry Category

1 winner: Junior Division: Monetary award of \$50 and a certificate

Alyssa Beeson, Hankinson School District , "Juice Potential and the Vitamin C Content of Citrus Fruits"

UND Department of Chemistry

Project in Chemistry Category

1 winner: Senior Division: Monetary award of \$100 and a certificate and a \$300 UND Scholarship

Jonathan Schiltz, Hankinson School District , "A Comparative Study of the School's Water Dispensers"

American Association for Clinical Chemists

Project in Clinical Chemistry

1 Winner: Senior Division: A Cash Award of \$100 And a Certificate

Rheanna Quam, Dakota Prairie School District , "The Effect of Common Drugs on the Heart Rate of Daphnia magna"

American Chemical Society-Red River Valley Section

Project in Field of Chemistry

1 Winner: Junior or Senior Division: A \$100 Savings Bond, A Set of Buckyballs, A 5-in-1 Pen, And a Certificate

Gage Metzen, Hankinson School District , "The Phytoremediation Properties of Aquatic Plants on River Water"

UND Chapter of IOTA SIGMA (Honor Society for Women Chemists)

Project in Chemistry Category

1 Winner (must be a female exhibitor) : Junior or Senior Division: A Cash Award of \$50 And a Certificate

Alyssa Beeson, Hankinson School District , "Juice Potential and the Vitamin C Content of Citrus Fruits"

Dentistry

North Dakota Dental Association

Project Related to Dentistry

2 Winners: Junior Division: A Cash Award of \$50 And a Certificate

Nicolas Kramer, Strasburg School District , "Dirty Mouth"

Erik Holzer, Linton School District , ""C" for Yourself"

North Dakota Dental Association

Project Related to Dentistry

2 Winners: Senior Division: A Cash Award of \$50 And a Certificate

Suzanne Ternes, Strasburg School District , "Cold Pack Chemistry"

Tucker Meidinger, Ashley School District , "Does Food Fat Effect Pain Relievers"

Energy, Power, Electricity

MDU Resources Group, Inc.

Project Related to Energy or Electricity

3 Winners: Senior Division: A Cash Award of \$25 And a Certificate

Nicholas Knoblich, Ashley School District , "Magnetic Water Treatment"

Caleb Meyer, Hope School District , "Natural Selection"

Ryan Joyce, Tioga School District , "Wired"

MDU Resources Group, Inc.

Project Related to Energy or Electricity

3 Winners: Junior Division: A Cash Award of \$25 And a Certificate

John Baumgardner, Oak Grove Lutheran School District , "Steam vs. Air"

Hudson McHenry, Kidder Co. Tappen School District , "Which Wind Blade Design Works the Best?"

Sean Loken, Wishek School District , "B.E.A.M. solar energy engine technology "

Otter Tail Power Company

Project Related to Energy or Electricity

3 Winners: Senior Division: A Cash Award of \$50 And a Certificate

Caleb Meyer, Hope School District , "Natural Selection"

Nicholas Knoblich, Ashley School District , "Magnetic Water Treatment"

Ross Knoll, Ashley School District , "To Gel or Not to Gel"

Otter Tail Power Company

Project Related to Energy or Electricity

2 Winners: Junior Division: A Cash Award of \$50 And a Certificate

John Baumgardner, Oak Grove Lutheran School District , "Steam vs. Air"

Dillon Kluksdahl, Sterling School District , "Vanishing Act"

Xcel Energy

Project Related to Energy or Electricity

3 Winners: Junior Division: A Cash Award of \$25 And a Certificate

Dillon Kluksdahl, Sterling School District , "Vanishing Act"

Hudson McHenry, Kidder Co. Tappen School District , "Which Wind Blade Design Works the Best?"

Sean Loken, Wishek School District , "B.E.A.M. solar energy engine technology "

Xcel Energy

Project Related to Energy or Electricity

3 Winners: Senior Division: A Cash Award of \$25 And a Certificate
Nicholas Knoblich, Ashley School District , "Magnetic Water Treatment"
Caleb Meyer, Hope School District , "Natural Selection"
Carl Entzie, Ashley School District , "Photoelectric vs. Ionization"

Engineering

UND School of Engineering and Mines

Project in Energy or Environmental Science

1 Winner: Senior Division: Monetary award of \$100 and a certificate
Emme Hulm, Strasburg School District , "Heat Loss vs Roof Types"

Society of Automotive Engineers

Project in Mobility Engineering

1 Winner: Senior Division: A Cash Award of \$100 And a Certificate
Caleb Meyer, Hope School District , "Natural Selection"

National Society of Professional Engineers

Project in Engineering Category

1 Winner: Junior or Senior Division: A Certificate And a Lapel Pin
Tyler Toepke Floyd, Wishek School District , "Size Does Matter, But Does Shape?"

ASM Materials Education Foundation

Project In Materials Engineering

1 Winner: Junior or Senior Division: A Medallion And a Certificate
Hunter Pinke, Wishek School District , "What are the breaking points of different species of wood"

UND Department of Chemical Engineering

Project in Chemical Engineering Category

1 winner: Junior Division: Monetary award of \$50 and a certificate
John Baumgardner, Oak Grove Lutheran School District , "Steam vs. Air"

UND Department of Chemical Engineering

Project in Chemical Engineering Category

1 winner: Senior Division: Monetary award of \$50 and a certificate
Ross Knoll, Ashley School District , "To Gel or Not to Gel"

UND School of Engineering and Mines, Clifford Thomforde Award

Project in Electrical Engineering Category

1 Winner: Junior Division: A Plaque
Emme Hulm, Strasburg School District , "Heat Loss vs Roof Types"

UND Department of Mechanical Engineering

Project in Mechanical Engineering Category

1 winner: Junior Division: Monetary award of \$50 and a certificate
Josh Holm, Valley/Edinburg School District , "Effect of Design on Bridge Efficiency"

UND Department of Mechanical Engineering

Project in Mechanical Engineering Category

1 winner: Senior Division: Monetary award of \$50 and a certificate
Bill Klose, Valley/Edinburg School District , "Placement of Trailer's Axle for Best Weight Displacement"

Environment

UND School of Engineering and Mines

Project in Energy or Environmental Science Category

1 Winner: Junior Division: Monetary award of \$50 and a certificate

Jacob Nelson, Trenton School District , "Let's Go Ice Fishing"

Coalition For Conservation & Environmental Education

Outstanding Environmental Project

1 Winner: Senior Division: A Savings Bond of \$50, A Large Purple Rosette Ribbon, And a Certificate

Nicholas Knoblich, Ashley School District , "Magnetic Water Treatment"

Coalition For Conservation & Environmental Education

Outstanding Environmental Project

1 Winner: Junior Division: A Savings Bond of \$50, A Large Purple Rosette Ribbon, And a Certificate

Matthias Larson, Oak Grove Lutheran School District , "Snails Choice: Native Invasive"

Ricoh Corporation

Project Related to Environmentally Friendly Businesses

1 Winner: Senior Division: A Certificate

Dre Steinwehr, Hankinson School District , "The Biocidal Attributes of the Family Lamiaceae"

Geosciences and Meteorology

North Dakota Geological Society

Project in Field of Geology or Earth Science

1 Winner: Junior Division: A Cash Award of \$50 And a Certificate

Carter Mauch, Hankinson School District , "The Effects of Weed Extracts on Glycine max"

North Dakota Geological Society

Project in Field of Geology or Earth Science

1 Winner: Senior Division: A Cash Award of \$50 And a Certificate

Lydia Kinneberg, Dakota Prairie School District, "Phytoremediation"

Association For Women Geoscientists

Project Related to Geosciences

1 Winner (Must Be A Female Exhibitor): Junior or Senior Division: A Certificate

Bailey Hagen, Trenton School District , "You Can't Resist Me!"

Human Development and Family Science

North Dakota Academy of Family Physicians

Project Related to Medicine

1 Winner: Senior Division: A Cash Award of \$50 And a Certificate

Jennifer Riemann, Hankinson School District , "The Antibacterial and Preserving Abilities of Wildflower Extracts"

UND College of Education and Human Development

Project Related to Human Development

1 Winner: Senior Division: A Cash Award of \$100 And a Certificate

Morgan Uriell, Lakota School District , "talkin 2 my friends"

UND College of Education and Human Development

Project Related to Human Development

1 Winner: Junior Division: A Cash Award of \$50 And a Certificate

Hayley Fingarson, Valley/Edinburg School District , "Eliminating Bacteria From Dish Cloths"

Human Nutrition

North Dakota Dietetic Association

Project Related to Science of Human Nutrition

1 Winner: Senior Division: A Savings Bond of \$50 And a Certificate

Dre Steinwehr, Hankinson School District , "The Biocidal Attributes of the Family Lamiaceae"

North Dakota Dietetic Association

Project Related to Science of Human Nutrition

1 Winner: Junior Division: A Savings Bond of \$100 And a Certificate

Paige Buck, Hankinson School District , "A Comparative Study of Poultry Supplements on Gallus domesticus"

North Dakota Dietetic Association

Project Related to Science of Human Nutrition

1 Winner: Senior Division: A Savings Bond of \$100 And a Certificate

Lindsey Stein, Hankinson School District , "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

North Dakota Dietetic Association

Project Related to Science of Human Nutrition

1 Winner: Junior Division: A Savings Bond of \$50 And a Certificate

Josh Spaulding, Valley/Edinburg School District , "The Effect of the Amount of Fertilizer on Plants"

ISEF Alumni

ISEF Alumni

Project as Determined by ISEF Judges

1 Winner: Junior or Senior Division: A Cash Award of \$200 And a Certificate

Lindsey Stein, Hankinson School District , "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

ISEF Alumni

Project as Determined by ISEF Judges

1 Winner: Junior or Senior Division: A Cash Award of \$100 And a Certificate

Paige Buck, Hankinson School District , "A Comparative Study of Poultry Supplements on Gallus domesticus"

Laboratory Medicine, Microbiology, Medicine & Health

UND School of Medicine & Health Sciences

Project in Medical or Health Sciences

1 Winner: Junior Division: Monetary award of \$50 and a certificate

Hayley Fingarson, Valley/Edinburg School District , "Eliminating Bacteria From Dish Cloths"

UND School of Medicine & Health Sciences

Project in Medical or Health Sciences

1 Winner: Senior Division: Monetary award of \$100 and a certificate

Lindsey Stein, Hankinson School District , "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

North Dakota Society for Clinical Laboratory

Project Related to Laboratory Medicine

1 Winner: Senior Division: A Cash Award of \$25 And a Certificate

Jessa Zimmerman, Trenton School District , "Salty Situation"

North Dakota Society for Clinical Laboratory

Project Related to Laboratory Medicine

1 Winner: Junior Division: A Cash Award of \$25 And a Certificate

Wyatt Wilm, Hankinson School District , "The Comparison of Commercial and Natural Liquid Hand Soaps"

North Dakota State Science and Engineering Fair Association

Project Related to Gerontology

1 Winner: Junior or Senior Division: A Cash Award of \$25 And a Certificate

Sarah Scaff, Grant County School District , "Measuring Knee Stress"

North Dakota Area Health Education Center

Project Related to Medical or Health Sciences

1 Winner: Junior or Senior Division: A Kindle/Nook e-Reading Tablet And a Certificate

Dre Steinwehr, Hankinson School District , "The Biocidal Attributes of the Family Lamiaceae"

American Physiological Society

Project in Physiological Sciences

1 Winner: Junior or Senior Division: A APS T-Shirt, Physiology Researcher Lapel Pin, And a Certificate

Jasmine Kreft, Williston Trinity Christian School District , "Asthma Attack"

Sponsoring Teacher Received a Women Life Scientists Past, Present, and Future Curriculum for the Classroom

Sponsoring Teacher: Annette Kreft, Williston Trinity Christian School District

Mathematics and Computer Science

UND Department of Computer Science

Project in Computer Science Category

1 winner: Junior Division: Monetary award of \$50 and a certificate

John Herr, Williston Trinity Christian School District , "The Truth Behind Educational Games"

UND Department of Computer Science

Project in Computer Science Category

1 winner: Senior Division: Monetary award of \$50 and a certificate

Trent Mattern, Strasburg School District , "WiFi in Work Places"

UND Department of Mathematics

Project in Mathematics Category

1 winner: Junior Division: Monetary award of \$50 and a certificate

Peter Bueide, Oak Grove Lutheran School District , "Ballistics"

UND Department of Mathematics

Project in Mathematics Category

1 winner: Senior Division: Monetary award of \$100 and a \$500 UND Mathematics scholarship and a certificate

Vahid Fazel-Rezai, G.F.Red River School District , "Mathematical Flowers: Patterns in Dots Generated by Intersecting Points"

UND College of Arts and Sciences

Project in Math or Science

1 Winner (must be a female): Junior Division: A Cash Award of \$50 And a Certificate
Hayley Fingarson, Valley/Edinburg School District , "Eliminating Bacteria From Dish Cloths"

UND College of Arts and Sciences

Project in Math or Science

1 Winner (must be a female): Senior Division: A Cash Award of \$100 And a Certificate
Holly Krumm, Strasburg School District , "Hey, Whatever Happened to the Fourth Dimension?"

Intel Excellence In Computer Science

Project in Computer Science Category

1 Winner: Senior Division: A Cash Award of \$200 And A Certificate
Vahid Fazel-Rezai, G.F.Red River School District , "Mathematical Flowers: Patterns in Dots Generated by Intersecting Points"

Mu Alpha Theta

Project Involving Modern Mathematics

1 Winner: Senior Division: A Certificate
Ben Schuler, Wishek School District , "Light Speed II"

American Statistical Association (RR Valley)

Project That Best Used Stastical Methods and Reasoning

1 Winner: Junior Division: A Cash Award of \$25 and a Certificate
Abbie Sondeland, Valley/Edinburg School District , "Safety of Fabrics Around Open Flame"

United States Metric Association

Project Using Metric System for Measurements

5 Winners: Junior or Senior Division: A Certificate
Josh Holm, Valley/Edinburg School District , "Effect of Design on Bridge Efficiency"
Katelyn Fastnacht, Ellendale School District , "A Clear Solution"
Peter Bueide, Oak Grove Lutheran School District , "Ballistics"
Caleb Mahin, Kidder Co. Tappen School District , "Building the Right Catapult"
Andrea Slater, Trenton School District , "Future Of Ferro Fluids?!?"

Yale Science And Engineering Association

Project in Areas of Computer Science, Engineering, Physics, or Chemistry

1 Winner: Senior Division: A Medallion And A Certificate
Nicholas Knoblich, Ashley School District , "Magnetic Water Treatment"

Optometry

North Dakota Optometric Association

Project Related to Optometry

2 Winners: Junior Division: A Cash Award of \$50 And a Certificate
Katelyn Fastnacht, Ellendale School District , "A Clear Solution"
Kelsey Guttormson, Tioga School District , "Crazy Colors"

North Dakota Optometric Association

Project Related to Optometry

2 winners: Senior Division: A Cash Award of \$50 And a Certificate
Micah Johnson, Milnor School District , "What Electronic Device Affects Eyesight the Most"
Ashley Fontaine, Park River School District , "Does Warping Matter?"

Pharmacology, Pharmacy, Nursing

UND College of Nursing

Project Related to Nursing or Nutrition

1 winner: Junior Division: Monetary award of \$50 and a certificate

Betsy Asp, Hankinson School District , "The Enhancing Impacts of Herbs on Garden Beans"

UND College of Nursing

Project Related to Nursing or Nutrition

1 winner: Senior Division: Monetary award of \$100 and a certificate

Jennifer Riemann, Hankinson School District , "The Antibacterial and Preserving Abilities of Wildflower Extracts"

North Dakota Pharmacists Association

Project in Field of Pharmacology

1 Winner: Junior Division: A Cash Award of \$75 And a Certificate

Bailey Hagen, Trenton School District , "You Can't Resist Me!"

North Dakota Pharmacists Association

Project in Field of Pharmacology

1 Winner: Senior Division: A Cash Award of \$100 And a Certificate

Tanner Coppin, Hankinson School District , "The Agricultural Impact of Curlycup Gumweed on Barley Cultivars"

North Dakota Area Health Education Center

Project Related to Nursing or Nutrition

1 Winner: Junior or Senior Division: A Kindle/Nook e-Reading Tablet And a Certificate

Lindsey Stein, Hankinson School District , "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

North Dakota Area Health Education Center

Project Related to Science of Human Nutrition

1 Winner: Junior or Senior Division: A Kindle/Nook e-Reading Tablet And a Certificate

Jennifer Riemann, Hankinson School District , "The Antibacterial and Preserving Abilities of Wildflower Extracts"

Physics and Physical Science

UND Department of Physics

Project in Physics Category

1 winner: Junior Division: Monetary award of \$50 and a certificate

Tanner Sehn, Linton School District , "Stretch It to Test It"

UND Department of Physics

Project in Physics Category

1 winner: Senior Division: Monetary award of \$50 and a \$250 UND Physics scholarship and a certificate

Ben Schuler, Wishek School District , "Light Speed II"

North Dakota Physics Teachers

Project in Area of Physics or Physical Science

1 Winner: Senior Division: A Savings Bond of \$50 And a Certificate

Emme Hulm, Strasburg School District , "Heat Loss vs Roof Types"

North Dakota Physics Teachers

Project in Area of Physics or Physical Science

1 Winner: Junior Division: A Savings Bond of \$50 And a Certificate

Josh Holm, Valley/Edinburg School District , "Effect of Design on Bridge Efficiency"

Psychology and Behavioral Sciences

UND College of Arts and Sciences

Project in Fields of Social or Behavioral Sciences

1 Winner: Junior Division: Monetary award of \$50 and a certificate

Natalie Duppong, Glen Ullin School District , "Are You in Your Right Mind"

UND College of Arts and Sciences

Project in Fields of Social or Behavioral Sciences

1 Winner: Senior Division: Monetary award of \$100 and a certificate

Ashley Morman, Wishek School District , "Fact or Fate"

Virginia George Inheritance Fund

Project in Social or Behavioral Science

1 Winner: Senior Division: Monetary award of \$125 and a certificate and a \$300 UND Scholarship

Morgan Uriell, Lakota School District , "talkin 2 my friends"

Virginia George Inheritance Fund

Project in Social or Behavioral Science

1 Winner: Junior Division: Monetary award of \$75 and a certificate

Sarah Lynch, Williston Trinity Christian School District , "Test Scores & Tunes"

American Psychological Association

Project Related to Psychology

1 Winner: Junior or Senior Division: A Certificate

Ashley Fontaine, Park River School District , "Does Warping Matter?"

Social Sciences

North Dakota Council for the Social Sciences

Project in the Field of Social Science

1 Winner: Junior Division: A Cash Award of \$75 And a Certificate

Morgan Ellingson, Valley/Edinburg School District , "Gender Differences in Short-term Memory"

Sweepstakes

VWR International

Project in Area Determined by NDSSEF Judging

2 Winners: Junior or Senior Division: A Cash Award of \$50 And a Certificate

Bailey Hagen, Trenton School District , "You Can't Resist Me!"

Lindsey Stein, Hankinson School District , "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

Tissue Culture

Society for In Vitro Biology

Project in the Area of Tissue Culture

1 Winner: 11th Grader Division: A Certificate

Matthew Schaeftbauer, Strasburg School District , "Dairy Farmers Dream III"

U.S. Air Force

United States Air Force

Project That Has Applications Useful to Air Force

3 Winners: Junior or Senior Division: A Travis and Wells Charging Stand, A Computer Backpack, A Leeds Scripto Flash Jotter, and a certificate

Sarah Telehey, Williston Trinity Christian School District , "Strong Soil - Safe Roads"

Caleb Meyer, Hope School District , "Natural Selection"

Abbie Sondeland, Valley/Edinburg School District , "Safety of Fabrics Around Open Flame"

U.S. Army

United States Army

Project in Mathematics/Computer Science

1 Winner: Senior Division: A Savings Bond of \$50 A Presentation Folder, And A Certificate

Vahid Fazel-Rezai, G.F.Red River School District , "Mathematical Flowers: Patterns in Dots Generated by Intersecting Points"

United States Army

Project in Life Sciences

1 Winner: Senior Division: A Savings Bond of \$50 A Presentation Folder, And A Certificate

Ellen Schnabel, Ashley School District , "Natural Antibiotics: Do They Exist"

United States Army

Project in Engineering

1 Winner: Senior Division: A Savings Bond of \$50 A Presentation Folder, and a certificate

Bill Klose, Valley/Edinburg School District , "Placement of Trailer's Axle for Best Weight Displacement"

United States Army

Project in Physical Science

1 Winner: Senior Division: A Savings Bond of \$50 A Presentation Folder, and a certificate

Tyler Toepke Floyd, Wishek School District , "Size Does Matter, But Does Shape?"

United States Army

Project in All of the ISEF Categories

1 Winner: Senior Division: Received a Certificate In a Presentation Folder, A \$100 Savings Bond, and a Silver Medallion for Science Excellence

Gage Metzen, Hankinson School District , "The Phytoremediation Properties of Aquatic Plants on River Water"

U.S. Navy

United States Navy

Project (All Categories Considered)

3 Winners: Senior Division: An Educational Recognition Award Valued at \$75, A Medallion, And a Certificate

Dre Steinwehr, Hankinson School District , "The Biocidal Attributes of the Family Lamiaceae"

Tanner Coppin, Hankinson School District , "The Agricultural Impact of Curlycup Gumweed on Barley Cultivars"

Lindsey Stein, Hankinson School District , "The Comparison of Commercial Bactericides on Phaseolus vulgaris Production"

United States Navy

Project (All Categories Considered)

3 Winners: Junior Division: A Medallion And a Certificate

Hayley Fingarson, Valley/Edinburg School District , "Eliminating Bacteria From Dish Cloths"

Hunter Pinke, Wishek School District , "What are the breaking points of different species of wood"

Grady Mauch, Hankinson School District , "The Pesticidal Aspects of the Aster Family on Beta vulgaris"

Veterinary Medicine

North Dakota Veterinary Medical Association

Project Related to Veterinary Medicine

1 Winner: Senior Division: A Cash Award of \$100 And a Certificate

Jonathan Ketterling, Wishek School District , "Advanced Genetic Intervention"

North Dakota Veterinary Medical Association

Project Related to Veterinary Medicine

1 Winner: Senior Division: A Cash Award of \$75 And a Certificate

Matthew Schaeftbauer, Strasburg School District , "Dairy Farmers Dream III"

North Dakota Veterinary Medical Association

Project Related to Veterinary Medicine

1 Winner: Junior Division: A Cash Award of \$25 And a Certificate

Paige Buck, Hankinson School District , "A Comparative Study of Poultry Supplements on Gallus domesticus"

Auxiliary to the North Dakota Veterinary Medical Association

Project Related to Veterinary Medicine

1 Winner: Junior Division: A Cash Award of \$50 And a Certificate

Maycie Brunelle, Trenton School District , "Would You Drink It?"

Water Quality

American Water Works Association

Project Related to Drinking Water Quality

1 Winner: Junior Division: A Cash Award of \$75 And a Certificate

Grace Schuler, Wishek School District , "Hydroponics: Well Water vs. Reverse Osmosis"

American Water Works Association

Project Related to Drinking Water Quality

1 Winner: Senior Division: A Cash Award of \$75 And a Certificate

Nicholas Knoblich, Ashley School District , "Magnetic Water Treatment"

North Dakota Water Environment Association

Project Related to Water Quality

1 Winner: Senior Division: A Cash Award of \$75 And a Plaque

Gage Metzen, Hankinson School District , "The Phytoremediation Properties of Aquatic Plants on River Water"

North Dakota Water Environment Association

Project Related to Water Quality

1 Winner: Junior Division: A Cash Award of \$75 And a Plaque

Matthias Larson, Oak Grover Lutheran School District , "Snails Choice: Native Invasive"

North Dakota Rural Water Systems Association

Project Related to Water Quality

1 Winner: Senior Division: A Cash Award of \$100 And a Certificate

Kelsey Gaukler, Hankinson School District , "The Analysis of Lake Water Quality and Its Effects on Crayfish Growth"

Water Environment Federation

Project Related to Water Quality or Water Conditions

1 Winner: Junior or Senior Division: A Certificate

Gage Metzen, Hankinson School District , "The Phytoremediation Properties of Aquatic Plants on River Water"