



GREAT FALLS
COLLEGE

MONTANA STATE
UNIVERSITY



Montana Region II Science & Engineering Fair

March 15, 2018

High School Awards

First Grand Prize

Recipients of the First Grand Prize receive a trip to Intel ISEF, the world's largest international pre-college science competition.

Mackenzie Wiegand
Madison Wiegand

*Silver Nanoparticle Water Filtration
Using UV*

Simms High School

Second Grand Prize

Recipients of the Second Grand Prize receive a trip to Intel ISEF, the world's largest international pre-college science competition.

Christian Bloch

Marine Hydrocarbon Bioremediation

North Toole County High School

Third Grand Prize

Carly Behr

Wisconsin Fast Plants

Conrad High School

Fourth Grand Prize

Sam Mishler

Eliminating Bacteria on Wrestling Mats

Simms High School

Fifth Grand Prize

**Cody Hason
Lane Lerum**

Toxicity in Local Reservoir

North Toole County High School

Sixth Grand Prize

Tori Thomas
Brianna Widhalm

The Storm is Coming, Are Your Calves?

Simms High School

American Meteorological Society

Outstanding achievement for creative scientific endeavor in the areas of atmospheric and related oceanic and hydrologic sciences

Tori Thomas
Brianna Widhalm

The Storm is Coming, Are Your Calves?

Simms High School

Emma Clark

Short Side, Long Side, Carbon Dioxide

Conrad High School

American Psychological Association

Outstanding research in psychological science under the category of behavioral and social sciences or any category related to psychology (e.g., animal sciences, biochemistry, computer science, environmental science, mathematical science, medicine and health).

Maddie Bloom
Ethan Mishler

Put Down the Phones

Simms High School

Association for Women Geoscientists

Best female student project exemplifying high standards of innovativeness and scientific excellence in the geosciences.

Emma Clark

Short Side, Long Side, Carbon Dioxide

Conrad High School

ASU Walton Sustainability Solutions Initiatives

Projects seeking innovative solutions to humanity's most challenging problems.

Mackenzie Wiegand
Madison Wiegand

*Silver Nanoparticle Water Filtration
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Simms High School

Randi Hart
Matt Lewis

*NPK in Growing Media;
Aquaponics vs Soil*

Simms High School

Citizens for Clean Energy

Projects addressing renewable energy, resource conservation and environmental protection or remediation

1st Place
\$120

Christian Bloch

*Marine Hydrocarbon
Bioremediation*

North Toole County High School

2nd Place
\$80

**Cody Hanson
Lane Lerum**

Toxicity in Local Reservoir

North Toole County High School

3rd Place
\$60

Emma Clark

*Short Side, Long Side,
Carbon Dioxide*

Conrad High School

4th Place
\$40

Robert Gliko

The Three Ps of Power

Belt High School

Intel Excellence in Computer Science

Top winner in the Computer Science category.

William Franzen
Wyatt Marshall

Operating System Comparisons

Belt High School

Mu Alpha Theta

Most challenging, original, thorough, and creative
investigation of a mathematics problem.

Cody Smith

Calculating Bank Shot Probability

North Toole County High School

NASA Earth System Science

Best demonstration of insight into Earth's interconnected systems.

Mackenzie Wiegand
Madison Wiegand

*Silver Nanoparticle Water Filtration
Using UV*

Simms High School

Office of Naval Research

The Naval High School Science Awards Program (NSAP) is a U.S. Navy and Marine Corps program that encourages our nation's students to develop and retain an interest in science and engineering.

Wyatt Clark

Flood Prevention within the United States

Conrad High School

Mattison McKamey

Comparing Different Whitening Toothpastes

Cascade High School

Ricoh USA, Inc.

Outstanding efforts in addressing issues of environmental responsibility and sustainable development in science and engineering.

Wyatt Clark

Flood Prevention within the United States

Conrad High School

Society of American Military Engineers

The mission of the SAME STEM Committee is to build a world class STEM program to produce our nation's future engineers and leaders.

**Mackenzie Wiegand
Madison Wiegand**

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Simms High School

**Orion MacDonald
Christopher Stetson**

Not Gone with the Wind

Simms High School

Society for In Vitro Biology

Most outstanding 11th grade exhibit in the areas of plant
or animal in vitro biology or tissue culture.

Maria Becker

Antioxidant Supplements and Plant Germination

North Toole County High School

Stockholm Junior Water Prize

Outstanding water-related research.

Winner

**Mackenzie Wiegand
Madison Wiegand**

*Silver Nanoparticle Water Filtration
Using UV*

Simms High School

Runner-up

Wyatt Clark

*Flood Prevention within
the United States*

Conrad High School

Runner-up

**Cody Hanson
Lane Lerum**

Toxicity in Local Reservoir

North Toole County High School

Yale Science and Engineering Association

The most outstanding 11th grade project exhibiting in the areas
of Computer Science, Engineering, Physics, or Chemistry.

Mackenzie Wiegand
Madison Wiegand

*Silver Nanoparticle Water Filtration
Using UV*

Simms High School