

**High School**

**Grand Awards**

1 <sup>st</sup> Place	Jeena Alborano	Regeneration Rates of <i>Dugesia japonica</i> using Glucose Oxidase Enhanced Honey	North Toole County High School
2 <sup>nd</sup> Place	Claire Bucklin	Microplastic Contamination in Montana's Mountains	North Toole County High School
3 <sup>rd</sup> Place	Nicole Nau	Redesigning a Wind Turbine	North Toole County High School
4 <sup>th</sup> Place	Cialeo Smith	Bi-Metal Heatbreak for Creality 3D Printers	Fergus High School
5 <sup>th</sup> Place	Ian Benjamin	The Effect of Archaea on Perchlorates in Martian Soil	North Toole County High School
6 <sup>th</sup> Place	Moroni Smith	Painterbot V2	North Toole County High School

**Special Awards**

**AMERICAN METEOROLOGICAL SOCIETY**

*Outstanding Achievement for creative scientific endeavor in the areas of atmospheric and related oceanic and hydrologic sciences.*

Claire Bucklin	Microplastic Contamination in Montana's Mountains	North Toole County High School
Nicole Nau	Redesigning a Wind Turbine	North Toole County High School

**AMERICAN PSYCHOLOGICAL ASSOCIATION**

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

Reese Von Bergen	How many sugars are in your smoothie?	Stanford High School
------------------	---------------------------------------	----------------------

**ASM MATERIALS EDUCATION FOUNDATION**

*The ASM Materials Education Foundation's most outstanding exhibit in materials science.*

Cialeo Smith	Bi-Metal Heatbreak for Creality 3D Printers	North Toole County High School
--------------	---	--------------------------------

**ASSOCIATION FOR WOMEN GEOSCIENTISTS**

*Open to female students whose projects, in the opinion of the judges, exemplify high standards of innovativeness and scientific excellence in the geosciences.*

Claire Bucklin	Microplastic Contamination in Montana's Mountains	North Toole County High School
----------------	---	--------------------------------

### **CITIZENS FOR CLEAN ENERGY**

*The Great Falls-based Citizens for Clean Energy organization (CCE) recognize science fair projects that address clean renewable energy, environmental protection, resource conservation or ecosystem restoration.*

### **MU ALPHA THETA**

*The Mu Alpha Theta Award is for the individual or group project that demonstrates the most challenging, original, thorough, and creative investigation of a problem involving mathematics accessible to a high school student.*

Jeena Alborano	Regeneration Rates of Dugesia japonica using Glucose Oxidase Enhanced Honey	North Toole County High School
----------------	---	--------------------------------

### **NASA EARTH SYSTEM SCIENCE**

*The NASA Earth System Science Award will be given to the project that best demonstrates insight into Earth's interconnected systems.*

Ian Benjamin	The Effect of Archaea on Perchlorates in Martian Soil	North Toole County High School
--------------	---	--------------------------------

### **NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)**

*Awarded to the student whose research emphasizes NOAA's mission of Science, Service, and Stewardship: "To understand and predict changes in climate, weather, oceans, and coasts, To share that knowledge and information with others, and To conserve and manage coastal and marine ecosystems and resources."*

Nicole Nau	Redesigning a Wind Turbine	North Toole County High School
------------	----------------------------	--------------------------------

### **OFFICE OF NAVAL RESEARCH**

*The Office of Naval Research (ONR) is committed to supporting science, technology, engineering, and mathematics (STEM) initiatives and programs for our nation's young people. On behalf of the U.S. Navy and U.S. Marine Corps, the ONR is pleased to support regional and state Science and Engineering Fairs.*

Cialeo Smith	Bi-Metal Heatbreak for Creality 3D Printers	Fergus High School
Moroni Smith	Painterbot V2	North Toole County High School

### **REGENERON BIOMEDICAL SCIENCE AWARD**

*Awarded to the student demonstrating impressive command of biomedical science and research.*

Baylee Herman Macy Herman	Testing Different Mask and Mask Filter Material	Simms High School
------------------------------	---	-------------------

### **RICOH USA**

*Awarded to the student demonstrating outstanding efforts in addressing issues of environmental responsibility and sustainable development in his/her science and engineering project.*

Nicole Nau	Redesigning a Wind Turbine	North Toole County High School
------------	----------------------------	--------------------------------

### **U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)**

*The U.S. Agency for International Development recognizes one individual or team project with the potential to make an impact on addressing international development challenges.*

Jeena Alborano	Regeneration Rates of Dugesia japonica using Glucose Oxidase Enhanced Honey	North Toole County High School
----------------	---	--------------------------------

### **U.S. AIR FORCE**

*The Air Force Research Laboratory is proud to support Science, Technology, Engineering, and Mathematics (STEM) initiatives for our nations' youth.*

Nicole Nau	Redesigning a Wind Turbine	North Toole County High School
------------	----------------------------	--------------------------------

### **U.S. METRIC ASSOCIATION**

Cialeo Smith	Bi-Metal Heatbreak for Creality 3D Printers	Fergus High School
--------------	---	--------------------

### **U.S. STOCKHOLM JUNIOR WATER PRIZE**

*The Stockholm Junior Water Prize (SJWP) recognizes outstanding water-related research at the high-school level.*

Claire Bucklin	Microplastic Contamination in Montana's Mountains	North Toole County High School
----------------	---	--------------------------------

### **YALE SCIENCE & ENGINEERING ASSOCIATION**

*Awarded to the most outstanding 11th grade project exhibiting in the areas of Computer Science, Engineering, Physics or Chemistry, though in extraordinary cases it may be awarded to a 10<sup>th</sup> or 12<sup>th</sup> grade project.*

Moroni Smith	Painterbot V2	North Toole County High School
--------------	---------------	--------------------------------