**High School**

**Grand Awards**

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| 1st Place  \*ISEF Qualifier | Sayre McElroy | Filtering the Invisible | Cascade High School |
| 2nd Place  \*ISEF Qualifier | Tanner Heaton | Development of a Snow Matrix for Indirect Wildlife Assessment | North Toole County High School |
| 3rd Place | Gracie Watson | Solar Desalination | Belt High School |
| 4th Place | Kate Hedstrom | This is a Whole Lot of Bull Crap | Belt High School |
| 5th Place | Parker Berthelote | You Be the Judge: Human vs. AI | North Toole County High School |
| 6th Place | Brayden Hammond  Robert Mayer | Will it Lift | Simms High School |

**Special Awards**

**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 & heath).*

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| Tanner Heaton | Development of a Snow Matrix for Indirect Wildlife Assessment | 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.*

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| Elizabeth Samsal | Geologic Profile of the Elkhorn Mountains | North Toole County High School |

**CITIZENS FOR CLEAN ENERGY**

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

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| Elonzo Benjamin | The Effect of Perforations on Airfoil Aerodynamics | North Toole County High School |
| Janto van Hettinga | Assessing Iron’s Effect on Phytoplankton | North Toole County High School |
| Audrey Rumney | Lipid Production in E. Coli with the Addition of Glucose and Yeast | Cascade 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.*

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| Sayre McElroy | Filtering the Invisible | Cascade 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.”*

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| Janto van Hettinga | Assessing Iron’s Effect on Phytoplankton | 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.*

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| Gracie Watson | Solar Desalination | Belt High School |
| Sayre McElroy | Filtering the Invisible | Cascade High School |

**REGENERON BIOMEDICAL SCIENCE AWARD**

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

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| Sicily Scalese | Green vs. Clean: A Comparative Study of Antimicrobial Properties of Natural and Commercial Cleaning Supplies. | Geyser 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.*

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| Janto van Hettinga | Assessing Iron’s Effect on Phytoplankton | North Toole County High School |

**SOCIETY FOR IN VITRO BIOLOGY**

*Awarded to the most outstanding 11th grade student exhibiting in the area of plant or animal in vitro biology. .*

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| Tanner Heaton | Development of a Snow Matrix for Indirect Wildlife Assessment | 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.*

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| --- | --- | --- |
| Elonzo Benjamin | The Effect of Perforations on Airfoil Aerodynamics | North Toole County High School |
| Brayden Hammond  Robert Mayer | Will it Lift | Simms High School |
| Waylon Myzie | Tree Talk: Assessing Tree’s Susceptibility to Fire Using Ultrasonic Acoustics | North Toole County High School |

**U.S. METRIC ASSOCIATION AWARD**

*The U.S. Metric Association Awards recognizes research involving quantitative measurements and use of the International System of Units (SI), commonly known as the metric system.*

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| Tanner Heaton | Development of a Snow Matrix for Indirect Wildlife Assessment | North Toole County High School |

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

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

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| Colton Sandon | Collection of Water Vapor Using Biomimicry | North Toole County High School |
| Gracie Watson | Solar Desalination | Belt High School |
| Sayre McElroy | Filtering the Invisible | Cascade 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 10th or 12th grade project.*

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| Elizabeth Samsal | Geological Profile of the Elkhorn Mountains | North Toole County High School |