

STATE QUALIFIERS

JUNIOR DIVISION

2006

STATE FAIR FINALISTS (BLUE RIBBON)

1	102 Bea Fisher	Ashley
2	105 Michell Wishek	Wishek
3	113 Jonathan Juelfs	Tappen
4	117 Jennifer Dotson	Wishek
5	125 Tim Stichel	Ashley
6	126 Christine Wanner	Wishek
7	129 Andrea Toepke-Floyd	Wishek
8	132 Nicholas Weippert	Tappen
9	133 Erica Thielges	Wishek
10	135 Carly Kinzler	Ellendale
11	139 Josh Morrissey	Ellendale
12	142 Skylar Helfenstein	Ashley
13	148 Kristy Bosch	Wishek
14	151 Phillip Aipperspach	Wishek
15	153 Alissa Bettenhausen	Wishek
16	154 Kassie Kinzler	Ellendale

ALTERNATES TO STATE FAIR (HONORABLE MENTION RIBBON)

Rank in order with 1 the best of the alternates.

1	103 Kiley Fuller	Ellendale
2	111 Donovan Flaherty	Ellendale
3	127 Kris Lauder	Ellendale
4	141 Amber Ketterling	Wishek

SENIOR DIVISION

STATE FAIR FINALIST (BLUE RIBBON)

1	202 Bridget Rekow	Ellendale
2	260 Michael Kapp	Tappen
3	243 Shannon Klein	Wishek
4	238 Denielle Glas	Wishek
5	201 Adam Bettenhausen	Wishek
6	226 Laura Juelfs	Tappen
7	253 David Bjergaard	Jamestown
8	220 Jamie Feil	Ashley
9	221 Rachelle Hildenbrand	Ellendale
10	249 Jeff Diemert	Ellendale

11	223 Megan Riederer	Jamestown
12	225 Nick Knight	Ellendale
13	206 Kelcey Holm	Ellendale
14	239 Alex Entzi	Ashley
15	207 John Roeder	Wishek
16	236 Krista Martin	Ellendale

ALTERNATES TO STATE FAIR (HONORABLE MENTION RIBBON)

Rank in order with 1 the best of the alternates.

1	213 Elizabeth Rerick	Ashley
2	259 Emily Bolinger	Edgeley
3	218 Sean Blumhardt	Ellendale
4	210 Logan Redmond	Ellendale

TO BE NAMED AT THE STATE SCIENCE FAIR IN FARGO APRIL 7, 2006.

OUTSTANDING YOUNG SCIENTIST - SR. DIVISION

**RUNNER UP - JAMESTOWN COLLEGE NATURAL SCIENCE DIVISION
\$8,000 SCHOLARSHIP TO JAMESTOWN COLLEGE**

1	#N/A	#N/A
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**SWEEPSTAKE AWARD - TRAVELING TROPHY TO SCHOOL AND FROM
JAMESTOWN COLLEGE NATURAL SCIENCE DIVISION \$10,000 SCHOLARSHIP**

1	#N/A	#N/A
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NATIONAL AWARDS

AMERICAN METEOROLOGICAL SOCIETY

The American Meteorological Society offers two Certificates of Outstanding Achievement to student exhibitors in **Junior or Senior Division** with participation in the atmospheric and related oceanic and hydrologic sciences.

1. (Certificate) -	102 Bea Fisher	Ashley
2. (Certificate) -	155 Heather Fouch	Wishek

AMERICAN PSYCHOLOGICAL ASSOCIATION

This award recognizes outstanding research in psychology under the category of behavioral and social sciences.

1. (Certificate) -	124 MiKayla Ebel	Jamestown
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ASM INTERNATIONAL FOUNDATION

This award recognizes the winner in **Junior or Senior Division** of the best materials engineering project. Criteria for the award is: 1) best use of materials-related concepts and 2) demonstration of some aspect of the materials paradigm, i.e., structure-processing-properties-performance relationships.

1. (Certificate & Medallion) - 148 Kristy Bosch Wishek

ASSOCIATION FOR WOMEN GEOSCIENTISTS

The Association for Women Geoscientists is pleased to provide an Award Certificate to female students in **Junior or Senior Division** whose projects, in the opinion of the judges, exemplify high standards of innovativeness and scientific excellence in the geosciences. Special consideration will be given to projects that increase the public awareness of the geosciences, illustrate the interdisciplinary nature of the geosciences, or promote the sensitivity to the earth as a global system.

1. (Certificate) - 238 Denielle Glas Wishek

DISCOVERY YOUNG SCIENTIST CHALLENGE (JR DIVISION ONLY)

The Discovery Young Scientist Challenge is designed to award students in **Junior Division** for their knowledge of science and their ability to communicate effectively about science.

1. (Certificate, lapel pin) -	102 Bea Fisher	Ashley
2. (Certificate, lapel pin) -	105 Michell Wishek	Wishek
3. (Certificate, lapel pin) -	113 Jonathan Juelfs	Tappen
4. (Certificate, lapel pin) -	139 Josh Morrissey	Ellendale
5. (Certificate, lapel pin) -	125 Tim Stickel	Ashley
6. (Certificate, lapel pin) -	142 Skylar Helfenstein	Ashley
7. (Certificate, lapel pin) -	129 Andrea Toepke-Floyd	Wishek
8. (Certificate, lapel pin) -	132 Nicholas Weippert	Tappen
9. (Certificate, lapel pin) -	133 Erica Thielges	Wishek
10. (Certificate, lapel pin) -	135 Carly Kinzler	Ellendale

HERBERT HOOVER YOUNG ENGINEER AWARD

The **Junior or Senior Division** student should have a good grasp of engineering fundamentals, demonstrate competence in one or more engineering disciplines, and show good communication skills by effectively explaining his/her project.

1. (Certificate & Medallion) - 153 Alissa Bettenhausen Wishek

INTEL EXCELLENCE IN COMPUTER SCIENCE

Each affiliated fair that has a computer science category may offer **one** Intel Excellence in Computer Science Award to the top first place winner of the Computer Science category in the **Senior Division** portion of the fair.

1. (Certificate, \$200) - 208 Frankie Westlind Edgeley

INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING

Award to the student in the *Junior or Senior Division* for the best project that applies optics or photonics principles.

1. (Certificate, Entrance into Drawing for \$100)- 235 Caitlin Miller Ashley

MU ALPHA THETA

Mu Alpha Theta wishes to provide **one** award to the project demonstrating the most challenging, thorough, and creative investigation of a problem involving modern mathematics.

1. (Certificate) - 229 Matthew Kapp Tappen

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

The National Society of Professional Engineers and Professional Engineers in Industry is pleased to provide an award to recognize the most outstanding engineering project.

1. (Certificate, supporting material, one-year subscription to Engineering Times) - 210 Logan Redmond Ellendale

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

Award to the individual, selected from among all the general award categories, whose research emphasizes NOAA's mission to understand and predict changes in Earth's environment and conserve and manage coastal and marine resources to meet our Nation's economic, social, and environmental needs.

1. (Certificate) - 150 Jessica Woehl Jamestown

RICOH SUSTAINABLE DEVELOPMENT AWARD

Award to the individual, selected from among all the general award categories, whose principles and technical innovations offer the greatest potential for increasing our ability to grow environmentally friendly and socially responsible businesses.

1. (Subscription to Science News Magazine) - 225 Nick Knight Ellendale

SCIENTIFIC AMERICAN AWARD

Award is presented to five students for their outstanding achievement in education. No criteria is established for the award as it is presented at your discretion to *Junior or Senior Division* participants.

1. (Subscription to Scientific American) - 207 John Roeder Wishek
2. (Subscription to Scientific American) - 102 Bea Fisher Ashley
3. (Subscription to Scientific American) - 147 Jennifer Mahin Tappen
4. (Subscription to Scientific American) - 243 Shannon Klein Wishek
5. (Subscription to Scientific American) - 226 Laura Juelfs Tappen

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

The U.S. Public Health Service offers a special challenge for students in **Junior or Senior Division** to develop science projects in regional science fairs that creatively illustrate and expand upon the following:

1. Regular physical activity throughout life is important for maintaining a healthy body, enhancing psychological well being, and preventing premature death.
2. A healthy diet and regular physical activity are both important for maintaining a healthy weight.
3. Tobacco use is a major risk factor for heart disease, stroke, lung cancer, and chronic lung diseases-all leading causes of death.

1. (Certificate) - 244 Tyler Meidinger Ashley

U.S. METRIC ASSOCIATION

The U.S. Metric Association is providing one certificate to be presented to the student in **Junior or Senior Division** whose project involves a significant amount of quantitative measurement and which best uses the SI metric system for those measurements.

1. (Certificate) - 153 Alissa Bettenhausen Wishek

WATER ENVIRONMENTAL FEDERATION

This award is presented to the best science fair project in **Junior or Senior Division** related to water quality, water resource management, water protection, water or wastewater treatment.

1. (Certificate) - 155 Heather Fouch Wishek

YALE SCIENCE AND ENGINEERING AWARD

The Yale Science and Engineering award is presented to the most outstanding **11th grade student** exhibiting in the areas of Computer Science, Engineering, Physics, or Chemistry.

1. (Certificate) - 211 Andrew Mittlieder Tappen

MILITARY AWARDS

U.S. AIR FORCE

Planner, Scientific Calculator, Flash Driver, Pen & Pencil Set

JR. DIVISION

1	147 Jennifer Mahin	Tappen
2	153 Alissa Bettenhausen	Wishek

SR. DIVISION

1	207 John Roeder	Wishek
2	260 Michael Kapp	Tappen

U.S. ARMY

The Army Awards Program provides recognition to outstanding student exhibitors in the categories of Engineering, Environmental Sciences, Life Sciences, Mathematics/Computer Sciences, and Physical Sciences. Exhibitors in **grades 9 through 12** are eligible for recognition.

Categories:

1. **Engineering:** (Certificate) - 243 Shannon Klein Wishek
2. **Environmental Sciences:** (may include projects in Earth and Space or Environmental Sciences) - (Certificate) - 202 Bridget Rekow Ellendale
3. **Mathematics/Computer Science:** (Certificate) - 207 John Roeder Wishek
4. **Life Sciences:** (may include projects in Behavioral and Social Sciences, Medicine and Health, Microbiology, Zoology, or Botany) - (Certificate) - 135 Carly Kinzler Ellendale
5. **Physical Sciences:** (may include projects in Biochemistry, Chemistry, or Physics) (Certificate) - 238 Denielle Glas Wishek
6. **Select 3 individuals from the above categories (No Ranking Necessary)**
 1. Army Black Polo Shirt - 202 Bridget Rekow Ellendale
 2. Army Black Polo Shirt - 135 Carly Kinzler Ellendale
 3. Army Black Polo Shirt - 207 John Roeder Wishek

OUTSTANDING CATEGORY WINNER: *Select from # 6* (Medallion) -

207 John Roeder Wishek

7. 10 Additional Projects Can Be Recognized

1. (Certificate) - 117 Jennifer Dotson Wishek
2. (Certificate) - 151 Phillip Aipperspach Wishek
3. (Certificate) - 132 Nicholas Weippert Tappen
4. (Certificate) - 143 Kelsey Mertz Ellendale
5. (Certificate) - 153 Alissa Bettenhausen Wishek
6. (Certificate) - 260 Michael Kapp Tappen
7. (Certificate) - 201 Adam Bettenhausen Wishek
8. (Certificate) - 226 Laura Juelfs Tappen
9. (Certificate) - 206 Kelcey Holm Ellendale
10. (Certificate) - 225 Nick Knight Ellendale

U.S. NAVY/U.S. MARINES

Students in **Junior and Senior Divisions** whose projects are considered to demonstrate excellence in science or engineering can be recognized as U.S. Navy and Marine Corps Distinguished Achievement winners.

JR. DIVISION

1. (Certificate & Medallion) - 133 Erica Thielges Wishek
2. (Certificate & Medallion)- 142 Skylar Helfenstein Ashley
3. (Certificate & Medallion) - 148 Kristy Bosch Wishek

SR. DIVISION

1. (Certificate & Medallion) - 243 Shannon Klein Wishek
2. (Certificate & Medallion) - 207 John Roeder Wishek
3. (Certificate & Medallion) - 260 Michael Kapp Tappen

REGIONAL AWARDS

BEST BEHAVIORAL & SOCIAL SCIENCE PROJECTS

PROGRESS ENTERPRISES

The award is presented to the most outstanding project in *Junior and Senior Division* related to Behavioral & Social Sciences. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

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|--------------------|------------------|-----------|
| 1. (Plaque) - | 124 MiKayla Ebel | Jamestown |
| 2. (Certificate) - | 116 Kinsey Holm | Ellendale |

SR. DIVISION

- | | | |
|--------------------|-----------------------|--------|
| 1. (Plaque) - | 215 Kaylyn Stroh | Tappen |
| 2. (Certificate) - | 251 Stephanie Bechtle | Wishek |

BEST BOTANY PROJECTS

DICKEY AND LAMOURE EXTENSION SERVICE OFFICES

The award is presented to the most outstanding project in *Junior and Senior Division* related to Botany. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

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|--------------------|-------------------------|--------|
| 1. (Plaque) - | 126 Christine Wanner | Wishek |
| 2. (Certificate) - | 151 Phillip Aipperspach | Wishek |

SR. DIVISION

- | | | |
|--------------------|-------------------|-----------|
| 1. (Plaque) - | 202 Bridget Rekow | Ellendale |
| 2. (Certificate) - | 220 Jamie Feil | Ashley |

BEST MEDICAL PROJECTS

WISHEK COMMUNITY HOSPITAL

The award is presented to the most outstanding project in *Junior Division* related to the medical field. Plaque to first place winner and certificate to second place winner.

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|--------------------|-------------------------|-----------|
| 1. (Plaque) - | 135 Carly Kinzler | Ellendale |
| 2. (Certificate) - | 129 Andrea Toepke-Floyd | Wishek |

ELLENDALE AVERA ST. LUKES CLINIC

The award is presented to the most outstanding project in *Senior Division* related to the medical field. Plaque to first place winner and certificate to second place winner.

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| 1. (Plaque) - | 225 Nick Knight | Ellendale |
|---------------|-----------------|-----------|

2. (Certificate) - 223 Megan Riederer Jamestown

BEST CHEMISTRY PROJECTS

AMERICAN CHEMICAL SOCIETY (Red River Valley Section)

Award is presented to the Outstanding Chemistry or Chemistry Related Project.

1. (Certificate, \$100 Savings Bond) - 238 Denielle Glas Wishek

J FAMILY FARMS

Award is presented to the Outstanding *Junior and Senior Division* Chemistry or Chemistry Related Project. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

1. (Plaque) - 132 Nicholas Weippert Tappen
2. (Certificate) - 125 Tim Stickel Ashley

SR. DIVISION

1. (Plaque)- 242 Shantel Slaughter Tappen
2. (Certificate)- 226 Laura Juelfs Tappen

MISCELLANEOUS - Scientific Principles

NORTHLAND FINANCIAL OF MEDINA

Award to the project in the *Junior Division* for best illustration of scientific principles, i.e., the best use of the scientific method.

1. (Certificate, \$50) - 147 Jennifer Mahin Tappen

CAVENDISH FARMS

Awarded to the project for best illustration of scientific principles, i.e., the best use of the scientific method.

1. (Certificate, \$50) - 202 Bridget Rekow Ellendale

ENVIRONMENTAL SCIENCES

NORTH DAKOTA ARABIAN HORSE ASSOCIATION

Awarded to the project in the *Junior Division* related to environmental sciences. Plaque to the first place winner and certificate to the second place winner.

1. (Plaque) - 109 Tyler Meidinger Wishek
2. (Certificate) - 155 Heather Fouch Wishek

NORTH DAKOTA PINTO HORSE ASSOCIATION

Award to the project in the **Senior Division** related to environmental sciences. Plaque to the first place winner and certificate to the second place winner.

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|--------------------|-------------------|-----------|
| 1. (Plaque) - | 202 Bridget Rekow | Ellendale |
| 2. (Certificate) - | 206 Kelcey Holm | Ellendale |

CONSERVATION/ENVIRONMENTAL

COALITION FOR CONSERVATION AND ENVIRONMENTAL EDUCATION

A large purple rosette ribbon is presented for a Grand Champion Environmental Award in **Junior or Senior Division** for regional competition.

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|------------------------------|-----------------------|--------|
| 1. (Purple Rosette Ribbon) - | 234 Traci Christensen | Wishek |
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WILDLIFE

CONSERVATION-STUTSMAN COUNTY WILDLIFE FEDERATION

JR. DIVISION

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|--------------------|---------------------|--------|
| 1. (Plaque) - | 109 Tyler Meidinger | Wishek |
| 2. (Certificate) - | 106 Brayden Salzer | Ashley |

SR. DIVISION

- | | | |
|--------------------|-------------------|-----------|
| 1. (Plaque) - | 226 Laura Juelfs | Tappen |
| 2. (Certificate) - | 202 Bridget Rekow | Ellendale |

BEST ENERGY PROJECTS

DAKOTA VALLEY ELECTRIC COOPERATIVE

The award is presented to the most outstanding project in **Junior Division** related to energy or energy principles. Plaque to first place winner and certificate to second place winner.

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|--------------------|-----------------|--------|
| 1. (Plaque) - | 119 Devin Olson | Wishek |
| 2. (Certificate) - | #N/A | #N/A |

MONTANA DAKOTA UTILITIES ENERGY AWARD

The award is presented to the most outstanding project in **Senior Division** related to energy or energy principles. Plaque to first place winner and certificate to second place winner.

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|--------------------|-------------------|-----------|
| 1. (Plaque) - | 210 Logan Redmond | Ellendale |
| 2. (Certificate) - | 240 Annie Kee | Ellendale |

BEST ENGINEERING PROJECTS

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

The award is presented to the most outstanding project in **Junior and Senior Division** related to Engineering. Plaque to first place winner and certificate to second place winner in each division.

JR. DIVISION

- | | | |
|--------------------|-------------------------|--------|
| 1. (Plaque) - | 153 Alissa Bettenhausen | Wishek |
| 2. (Certificate) - | 148 Kristy Bosch | Wishek |

SR. DIVISION

- | | | |
|--------------------|-------------------|--------|
| 1. (Plaque) - | 243 Shannon Klein | Wishek |
| 2. (Certificate) - | 203 Tiffany Bauer | Tappen |

BEST MATHEMATICS/PHYSICS PROJECTS

WISHEK STEEL & MANUFACTURING

The award is presented to the most outstanding project in **Junior Division** related to Mathematics and Physics. Plaque to first place winner and certificate to second place winner.

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| 1. (Plaque) - | 147 Jennifer Mahin | Tappen |
| 2. (Certificate) - | 122 Jared Mittleider | Tappen |

SAYLER IMPLEMENT INC. - WISHEK

The award is presented to the most outstanding project in **Senior Division** related to Mathematics and Physics. Plaque to first place winner and certificate to second place winner.

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|--------------------|-----------------------|--------|
| 1. (Plaque) - | 211 Andrew Mittlieder | Tappen |
| 2. (Certificate) - | 229 Matthew Kapp | Tappen |

CONSERVATION/AGRICULTURAL

STUTSMAN COUNTY SOIL CONSERVATION

The award is presented to the best conservation-agriculture project in **Junior and Senior Divisions**. Plaque to first place winner and certificate to second place winner in each division.

JR. DIVISION

- | | | |
|--------------------|---------------------|--------|
| 1. (Plaque) - | 109 Tyler Meidinger | Wishek |
| 2. (Certificate) - | 113 Jonathan Juelfs | Tappen |

SR. DIVISION

- | | | |
|--------------------|-------------------|-----------|
| 1. (Plaque) - | 202 Bridget Rekow | Ellendale |
| 2. (Certificate) - | 206 Kelcey Holm | Ellendale |

DRINKING WATER RELATED

RURAL WATER USERS ASSOCIATION

The award is presented to the most outstanding project in ***Junior or Senior Division*** related to drinking water.

1. (Plaque & \$50) - 127 Kris Lauder Ellendale

BEST ZOOLOGY PROJECTS

PRAIRIE VETERINARY HOSPITAL, WISHEK VETERINARY CLINIC, ELLEDALE ANIMAL HOSPITAL

The award is presented to the most outstanding project in ***Junior and Senior Divisions*** related to Zoology. Plaque to first place winner and certificate to second place winner.

JR. DIVISION

1. (Plaque) - 106 Brayden Salzer Ashley
2. (Certificate) - 132 Nicholas Weippert Tappen

SR. DIVISION

1. (Plaque) - 249 Jeff Diemert Ellendale
2. (Certificate) - 221 Rachelle Hildenbrand Ellendale

MICROBIOLOGY

TITAN MACHINERY

The award is presented to the most outstanding project in ***Junior and Senior Divisions*** related to microbiology. Plaque to the first place winner and certificate to second place winner.

JR. DIVISION

1. (Plaque) - 129 Andrea Toepke-Floyd Wishek
2. (Certificate) - 104 Paige Bosch Tappen

SR. DIVISION

1. (Plaque) - 225 Nick Knight Ellendale
2. (Certificate) - 223 Megan Riederer Jamestown

WATER QUALITY

DICKEY RURAL WATER USERS ASSOCIATION

The award is presented to the most outstanding project in ***Junior and Senior Divisions*** related to water quality. Plaque to the first place winner and certificate to second place winner.

JR. DIVISION

1. (Plaque) - 132 Nicholas Weippert Tappen

2. (Certificate) -	102 Bea Fisher	Ashley
SR. DIVISION		
1. (Plaque) -	206 Kelcey Holm	Ellendale
2. (Certificate) -	253 David Bjergaard	Jamestown