**SIXTH GRADE**

**BIOLOGICAL SCIENCE CATEGORY**

**Individual Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | Bree Chilton | Spice up Your Health | Sunburst Junior High |
| 2nd Place | Cadence Sudbrok | Save More, Spend Less | Sunburst Junior High |
| 3rd Place | Gabriel Barille | Antibacterial vs. Homemade Cleaners | Our Lady of Lourdes |

**So**

**Team Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | Hope Crookston  Nora Lunde  Spencer Miller-Hughes | Testing AI Voices | Sun River Middle School |
| 2nd Place | Linden Aikens  Parker Arndt  Lynndee Bushnell | Would Gum Do the Trick? | Belt Middle School |

**PHYSICAL SCIENCE CATEGORY**

**Individual Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | Levi Taylor | I Feel the Need for Speed | Sunburst Junior High |
| 2nd Place | Aiden Eike | Spudtacular Launch: Which Propellant Packs the Most Punch | Moore Middle School |
| 3rd Place | Kaden Ro | Swim and Sodium | Our Lady of Lourdes |

**Team Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | Kaleb Broaddus  Hunter Engleman | Blind Stick Sensor | Sun River Middle School |
| 2nd Place | Cassandra Dobbins  Pam Hegg | The Turning Point | Sun River Middle School |
| 3rd Place | Jared Barnes  Wyatt Wichman | The More Fizz the More Rizz | Moore Middle School |

**MERIT AWARDS**

|  |  |  |  |
| --- | --- | --- | --- |
| Behavioral Science | Linden Aikins  Parker Arndt  Lynndee Bushnell | Would Gum Do the Trick? | Belt Middle School |
| Chemistry | Kaden Ro | Swim and Sodium | Our Lady of Lourdes |
| Computer Systems & Robotics | Cassandra Dobbins  Pam Hegg | The Turning Point | Sun River Middle School |
| Consumer Science | Elizabeth Slawson | Flour Power: Exploring the Relationship Between Flour and Muffin Density | Moore Middle School |
| Energy: Chemical/Physical | Aiden Eike | Spudtacular Launch: Which Propellant Packs the Most Punch | Moore Middle School |
| Engineering | Levi Taylor | I Feel the Need for Speed | Sunburst Junior High |
| Environmental | Kira Schutz | What Solution Removes Pesticides the Best | Our Lady of Lourdes |
| Medicine and Health | Cadence Sudbrock | Save More, Spend Less | Sunburst Junior High |
| Microbiology | Bree Chilton | Spice Up Your Health | Sunburst Junior High |
| Physics & Astronomy | Bruin Bristol | Surface Secrets | Moore Middle School |
| Plant Science | Logan Laue | What Light Will Do the Best for Plants | Ulm Junior High |

**Seventh Grade**

**BIOLOGICAL SCIENCE CATEGORY**

**Individual Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | Isabell Martinez | Choose Your Bacteria! | Our Lady of Lourdes |
| 2nd Place | Colette Bucklin | An Analysis of the Origins of Microplastics in Beef Products | Sunburst Junior High School |
| 3rd Place | Grayson Buckley | The Remedial Effect of King Oyster Mushrooms on Alkaline Contaminated Soil | Sunburst Junior High School |

**Team Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | Khasia Gaylord  Blaire Keaster  Kenady Keaster | Shoot Dem’ Hoops | Belt Middle School |
| 2nd Place | Kolben Aikins  Jett Marn | Is it Real…Or Fake | Belt Middle School |
| 3rd Place | Paisely Eisch  Khaila Gaylord  Dakota Keller | Real of AI | Belt Middle School |

**PHYSICAL SCIENCE CATEGORY**

**Individual Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | Lane Wood | Making a Wearable Air Particulate Sensor | Sunburst Junior High |
| 2nd Place | Hunter Fenger | Assessing the Emotional Intelligence of AI | Sunburst Junior High |
| 3rd Place | Shyanne Herman | The Spark in Your Sip: Analyzing Conductivity in Sport Drinks | Sun River Middle School |

**Team Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | Mia Bossen  Tory Bossen | Which Detergent Makes Fireproof Clothes Combustible? | Geyser Middle School |
| 2nd Place | Nathan Foster  Landon Johnson  Ernest Weythman | Top Shot | Belt Middle School |
| 3rd Place | Mason Albert  Breydon Drake | Wicked Water Wheels | Belt Middle School |

**MERIT AWARDS**

|  |  |  |  |
| --- | --- | --- | --- |
| Animal Science | Bryten Clark | How Does Temperature Affect a Meal Worm | Whitewater Public Schools |
| Behavioral Science | Makenzi South | Rainbow to Reality: How Difference Color LED Lights Affect the Heart Rate of Middle School Students | Sun River Middle School |
| Biochemistry | Aryana Ghahari | Pinecones Tested in Water and Fire | Our Lady of Lourdes |
| Chemistry | Mia Bossen  Tory Bossen | Which Detergent Makes Fireproof Clothes Combustible? | Geyser Middle School |
| Computer Systems & Robotics | Hunter Fenger | Assessing the Emotional Intelligence of AI | Sunburst Junior High |
| Consumer Science | Haris Bumgarner | Sweet Dreams are Made of Cheese | Belt Middle School |
| Energy: Chemical/Physical | Odin Morris | Awesome Acceleration | Belt Middle School |
| Engineering | Lane Wood | Making a Wearable Air Particulate Sensor | Sunburst Junior High |
| Environmental | Colette Bucklin | An Analysis of the Origins of Microplastics in Beef Products | Sunburst Junior High |
| Medicine and Health | Brylee Brachtenbach | Can Peppermint Improve Reaction Time? | Our Lady of Lourdes |
| Microbiology | Hailey Carroll | Testing the Reliability of the 5-Second Rule | Sunburst Junior High |
| Plant Science | Gabriel Flores | Plants vs. Soil Erosion | Our Lady of Lourdes |

**Eighth Grade**

**BIOLOGICAL SCIENCE CATEGORY**

**Individual Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | Lillian Sunbrock | The Effect of Food Dyes on Fruit Flies | Sunburst Junior High |
| 2nd Place | Emily Roberts | Understanding Color Preference in Animals | Sunburst Junior High |
| 3rd Place | Lily Madill | Forest Regeneration | Our Lady of Lourdes |

**Team Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | June Bock  Kaydence Scheffelmaier | Do You Remember? | Belt Middle School |
| 2nd Place | Cheyenne Miller  Maci Mokate | The Effect of Honey Exposure on Preventing Ultraviolet Radiation Damage | Sunburst Junior High |
| 3rd Place | Lily Goodman  Reagan Lodge | Coffee Vs. BP | Belt Middle School |

**PHYSICAL SCIENCE CATEGORY**

**Individual Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | Cruz Drazich | Testing the Strength of Electromagnets | Our Lady of Lourdes |
| 2nd Place | Marek Hart | Home Heat Shield | Our Lady of Lourdes |
| 3rd Place | Sam Fallo | Lifted | Moore Middle School |

**Team Projects**

|  |  |  |  |
| --- | --- | --- | --- |
| 1st Place | Tenley Jones  Olivia Knudsen | Pans Vs Cookies | Belt Middle School |
| 2nd Place | Gabrield Burt  Lane Meek | R/C Blocker | Geyser Middle School |
| 3rd Place | Tatum Enos  Easton Pasha | PSI Power | Belt Middle School |

**MERIT AWARDS**

|  |  |  |  |
| --- | --- | --- | --- |
| Animal Science | Emily Roberts | Understanding Color Preference in Animals | Sunburst Junior High |
| Behavioral Science | June Bock  Kaydence Scheffelmaier | Do You Remember? | Belt Middle School |
| Biochemistry | Lillian Sudbrock | The Effect of Food Dyes on Fruit Flies | Sunburst Junior High |
| Chemistry | Leila Budeski  Elizabeth Gillespie | Rust Restoration | Belt Middle School |
| Consumer Science | Tatum Enos  Easton Pasha | PSI Power | Belt Middle School |
| Energy: Chemical/Physical | Tenley Jones  Olivia Knudsen | Pans Vs Cookies | Belt Middle School |
| Engineering | Sam Fallo | Lifted | Moore Middle School |
| Environmental | Olin Oestreich | Bats Breaking Wind | Moore Middle School |
| Medicine & Health | Katie Anderson  Emma Shimerdla | Color Vision | Belt Middle School |
| Microbiology | Aron Darby | Bacteria and Light | Our Lady of Lourdes |
| Physics & Astronomy | Marek Hart | Home Heat Shield | Our Lady of Lourdes |

**SPECIAL AWARDS**

**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.*

|  |  |  |
| --- | --- | --- |
| Tucker McAlpine  Dartanian Widhalm | More Power | Sunburst Junior High |
| Cassandra Dobbins  Pam Hegg | The Turning Point | Sun River Middle School |
| Ray Segnella | Reducing Atmospheric Carbon Dioxide | Sunburst Junior High |
| Olin Oestreich | Bats Breaking Wind | Moore Middle School |
| Gabriel Conchas | Windmills | Our Lady of Lourdes |

**DOD STEM LEADERSHIP PRIZE**

*The DOD STEM Leadership Prize, sponsored by the Department of Defense, is awarded to the student or team demonstrating excellence in STEM, as well as problem-solving skills and determination to overcome challenges throughout the research project.*

|  |  |  |
| --- | --- | --- |
| Cruz Drazich | Testing the Strength of Electromagnets | Our Lady of Lourdes |

**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. NSAP recognizes the accomplishments of eligible students at regional and state science and engineering fairs and the International Science and Engineering Fair (ISEF) in producing and presenting quality science and engineering projects.*

|  |  |  |
| --- | --- | --- |
| Kaden Ro | Swim and Sodium | Our Lady of Lourdes |
| Levy Taylor | I Feel the Need for Speed | Sunburst Junior High |
| Aiden Eike | Spudtacular Launch: Which Propellant Packs the Most Punch | Moore Middle School |
| Lane Wood | Making a Wearable Air Particulate Sensor | Sunburst Junior High |

**LEMELSON EARLY INVENTOR PRIZE**

*The Lemelson Early Inventor Prize, sponsored by The Lemelson Foundation, is a $100 award to be given at Broadcom MASTERS-affiliated fairs in 2020.*

|  |  |  |
| --- | --- | --- |
| Kaleb Broaddus  Hunter Engleman | Blind Stick Sensor | Sun River Middle School |

**THERMO FISHER JUNIOR INNOVATORS CHALLENGE NOMINEES**

*Thermo Fisher Scientific JIC nominations are available to the top 10% of the estimated middle school (grades 6, 7, & 8) participants. Nominees complete the Thermo Fisher JIC online application. Entries are judged during the summer, and in early fall, the Top 300 students are named. From among the Top 30, 30 students are selected as finalists and win an all-expense-paid trip to the national finals week in Washington, DC to showcase their projects, compete in teams and visit historical sites and organizations that celebrate innovation. The top prize is a $25,000 education award with numerous other awards and prizes offered throughout the process to both students and educators.*

|  |  |  |
| --- | --- | --- |
| Cadence Sudbrock | Save More, Spend Less | Sunburst Junior High |
| Bree Chilton | Spice Up Your Health | Sunburst Junior High |
| Kaden Ro | Swim or Sodium | Our Lady of Lourdes |
| Kira Schutz | What Solution Removes Pesticide the Best | Our Lady of Lourdes |
| Levi Taylor | I Feel the Need for Speed | Sunburst Junior High |
| Aiden Eike | Spudtacular Launch: Which Propellant Packs the Most Punch | Moore Middle School |
| Isabell Martinez | Choose Your Bacteria | Our Lady of Lourdes |
| Colette Bucklin | An Analysis of the Origins of Microplastics in Beef Products | Sunburst Junior High |
| Grayson Buckley | The Remedial Effect of King Oyster Mushrooms on Alkaline Contaminated Soil | Sunburst Junior High |
| Lane Wood | Making a Wearable Air Particulate Sensor | Sunburst Junior High |
| Lillian Sudbrock | The Effect of Food Dyes on Fruit Flies | Sunburst Junior High |
| Cruz Drazich | Testing the Strength of Electromagnets | Our Lady of Lourdes |
| Tenley Jones | Pans Vs Cookies | Belt Middle School |
| Olivia Kudsen |