

2018 Science Expo Award Ceremony

Cisel Hall @ 3 p.m.

- 1. Lukas Rost – “Chicken Food” Lincoln School PK-2-Baker, MT**
 - a. 1st in Grade 1**
 - b. Best Friends Animal Hospital Best Animal Science Project Grades 1-3**
 - c. Top Scorer Grade 1**
- 2. Grace Angell – “Stupendous Stalactites” Mountain View PK-5-Red Lodge, MT**
 - a. 3rd in Grade 1**
 - b. Judges’ Choice Grade 1**
- 3. Maryn Hobby – “Hotter Water, Salt and Stirling Engines” Grace Montessori Academy-Billings, MT**
 - a. Artistic Merit Grades 1-3**
 - b. Science or Engineering Project Grades 1-3**
 - c. 2nd in Grade 1**
- 4. Dale Thompson – “Does Invisible Ink Really Work?”**
 - a. Best Chemistry Project Grades 1-3**
- 5. Harper Downing – “The Effects of Liquid on Paper – Are all Liquids Created Equal?”**
 - a. 3rd in Grade 2**
 - b. Judges’ Choice Grade 2**
- 6. Henry Umphrey – “What Kills Bacteria?”**
 - a. 1st in Grade 2**
 - b. Top Scorer Grade 2**
 - c. Best Biomedical Project Grade 1-3**
- 7. Aidrian Lindley – “The Effects of Subliminal Messages”**
 - a. Materials Science Award Grades 1-12**
- 8. Reilly Gahagan – “Super Sniffers”**

- a. 2nd in Grade 2

9. Pelilah Bahm – “Egg Protein Comparison”

- a. Creativity Grades 1-3

10. Zach Thompson – “Dog Gone Bowl”

- a. Craftsmanship Grades 1-3

11. Justin Kruger – “Will Mold Grow?”

- a. Future Scientist Grades 1-3

12. Dario Miles – “Rabbit Squared – Baby Rabbits”

- a. Judges’ Choice Grade 3

13. Sophie Douglas – “Slippery Slope”

- a. 3rd in Grade 3

14. Arman Dolati – “Lava Lamp”

- a. 2nd in Grade 3

15. Annalee Krise – “Little Sprouts”

- a. Top Scorer Grade 3
- b. 1st in Grade 3
- c. Best Plant Science Project Grades 1-6

16. Keldon Lovell – “Conquering the Force”

- a. Best Physics Project Grades 1-3

17. Sadie Rongstad – “How Cats Respond to the Sounds of Predators and Prey”

- a. ZooMontana Best Animal Sciences Project Grades 1-3

18. Dylan Wilson – “Aqua Rover”

- a. Craftsmanship Grades 4-6

19. Allyson Crazymule – “Sun Dogs”

- a. Creativity Grades 4-6

20. Rylan Moldenhauer – “Floating Egg”

a. 2nd in Grade 4

21. Mercedes Dagsen – “Cookie Crumbles”

a. 1st in Grade 4

b. Top Scorer Grade 4

22. Danica Gamble – “Purrry’s Peek-A-Boo Playground

a. Judges’ Choice Grade 4

23. Adah Rienstra – “Testing Candy for Glucose”

a. Best Chemistry Project Grades 4-6

24. Sofia Riley – “Soapy Security”

a. Best Project by a Female Grades 1-6

25. Kate Sparks – “Food for Friends”

a. Most Unusual or Thought-Provoking Project Grades 1-8

26. Shaylagh Cyphers – “Handy Helper for Chaotic Containers”

a. Best Biomedical Project Grades 4-6

27. Cole Johnson – “All About Horse Digestion”

a. Best Friends Animal Hospital Best Animal Science Project Grades 4-6

28. Cadence Cameron – “Conduction and Deductions”

a. Best Physics Project Grades 4-6

29. Soren Hultgren – “From Our Favorite Entertainment – Radiation?”

a. 3rd in Grade 4

b. Science or Engineering Project Grades 4-6

30. Maurice Carroll – “Electric Lemons”

a. Best Alternative Energy Project Grades 1-5

31. Owen O’Toole – “I Had It On the Tip of My Tongue!”

a. Best Application for Naturopathic Medicine Grades 1-8

32. Grady Gahagan – “Awesome Mix Vol.: Science”

a. 2nd in Grade 5

- 33. Kyla Phillips – “Slime Stretch”**
 - a. Best Use of SI Grades 1-12**
- 34. Ava Arbogast – “Flower Power”**
 - a. Artistic Merit Grades 4-6**
- 35. Sarah Boetticher – “Would Robin Hood Shoot Better Wearing an Eyepatch?”**
 - a. Top Scorer Grade 5**
 - b. 1st in Grade 5**
- 36. Constance Ragsdale – “Constance Ragsdale”**
 - a. Judges’ Choice Grade 5**
- 37. Kymberly Degele – “Equestrian Chair Lift”**
 - a. Future Scientist Grades 4-6**
- 38. Julia Lund – “Backstroke Brace”**
 - a. Best Engineering Design Award Grades 1-5**
- 39. Laramie Pavlovick – “Flex Your Mussels”**
 - a. ZooMontana Best Animal Science Project Grades 4-6**
- 40. Madeline Lorenzen – “Good For Teeth – Bad For Teeth? Testing Dental Erosion In Different Liquids”**
 - a. 3rd in Grade 5**
- 41. Sennett Pizzolato – “Liquid Conductors”**
 - a. Judges’ Choice Grade 6**
- 42. Cora Rienstra – “Fishy Goat Tails”**
 - a. Best Use of Photography Grades 1-6**
- 43. Stran Lytton – “M2E”**
 - a. 3rd in Grade 6**
- 44. Isaac Richardson – “Robot Hand”**
 - a. The Mack Award Grades 1-12**
- 45. Keagan Sandlin – “Mom Said Not to Drink That!”**

a. 2nd in Grade 6

46. Toby Mark – “The Rhythm of Life”

a. Best Electrical Engineering Project Grades 6-8

b. 1st in Grade 6

c. Top Scorer Grade 6

47. Cully Lauver – “Making Bread Rise”

a. Best Use of Photography Grades 7-8

48. Adi Gamble – “Take the Best Shot”

a. 2nd in Grade 7

49. Brynn Barker – “Native Montana Sap”

a. Top Scorer Grade 7

b. 1st in Grade 7

50. Sophia Moore – “What Freezing Method Contributes to Minimal Cell Damage?”

a. Creativity Grades 7-8

51. Olivia Heimer – “Motility, Morphology, and Abnormalities”

a. Future Scientist Grades 7-8

52. Sean Spencer – “Shocking Isn’t It?”

a. Best Physics Project Grades 7-8

53. Andrea Gieser – “The Study of Seed to Leaf Orientation”

a. Best Math Project Grade 7

b. 3rd in Grade 7

54. Avery Gates – “Hot, Hot, Hot!”

a. Best Alternative Energy Project Grades 6-8

55. Toby Henning – “Swinging Time”

a. Science or Engineering Project Grades 7-8

b. Best Engineering Design Award Grades 6-8

- 56. Monique Mondragon – “How to Code Music In Sonic Pi!”**
 - a. Judges’ Choice Grade 7**
- 57. Charlie Gregoroff – “Diet Madness”**
 - a. Best Math Project Grade 8**
- 58. Caleb Mark – “Measuring Anthocyanin Content in a Heritage Breed of Zea Mays”**
 - a. 3rd in Grade 8**
 - b. Best Biomedical Project Grades 7-8**
 - c. Best Plant Science Project Grades 7-8**
- 59. Kailey Campbell & Adree Langley – “Project Mouse”**
 - a. Craftsmanship Grades 7-8**
- 60. Lucyjane Crimm – “Alpaca Behavior”**
 - a. Best Friends Animal Hospital Best Animal Science Project Grades 7-8**
 - b. Artistic Merit Grades 7-8**
- 61. Jayna Henning – “Gluten Glue”**
 - a. 2nd in Grade 8**
 - b. Best Chemistry Project Grades 7-8**
- 62. Daniel Hopf – “Don’t Be Mean Keep the Air Clean”**
 - a. Best Application to Water or Environmental Issues Grades 7-8**
- 63. Allie Skelton – “Kitchen Sponges – Doomed to Grow Bacteria?”**
 - a. 1st in Grade 8**
 - b. Top Scorer Grade 8**
- 64. Ray La Moure & Dayton Gurie – “Ease of Password Hack”**
 - a. Excellence in Computer Science Grades 9-12**
- 65. Haley Richardson & Emily Routen – “Wildfires”**
 - a. Sustainable Development Award Grades 1-12**
- 66. Gavin Carlson – “Renewable Heat”**
 - a. Best Physics Project Grades 9-12**

67. **Thomas Klepps – “The Effects of Video Games on Human Performance”**
 - a. **Future Scientist Grades 9-12**
68. **Kaeden Goffena – “Is There a Relationship Between Convergent Boundaries and Volcano Characteristics?”**
 - a. **NASA EARTH System Science Award Grades 7-12**
69. **Andrew Castles – “Optimization of Light Production by *Aliibivrio fischeri*”**
 - a. **Top Scorer Grade 9**
70. **Henry Parkins – “Sound of Psyche”**
 - a. **Creativity Grades 9-12**
71. **Gabe Smith – “Salt Water Battery”**
 - a. **Best Math Project Grade 9**
 - b. **Best Electrical Engineering Projects Grades 9-12**
72. **Grant Rickard – “The Effects of River Bends on Erosion”**
 - a. **Best Application to Water or Environmental Issues Grades 9-12**
73. **Eva Rickard – “Topsoil Erosion on Hills and Valleys”**
 - a. **Taking the Pulse of the Planet Award Grades 7-12**
74. **Bryn Turnquist – “A ‘Flower’ful Scent”**
 - a. **Craftsmanship Grades 9-12**
75. **Emma Qualls – “Wax Worms: Our Potentially Promising Planet Protectors**
 - a. **Best Place-Based Projecting Incorporating Local, Ecology, Natural History, or Geology**
76. **Rachel Rost – “Yeast Respiration in Different Sugars”**
 - a. **Top Scorer Grade 10**
77. **Teaona Williams – “Identifying Different Rocks”**
 - a. **GeoScience Award Grades 1-12 Female**
78. **Clara Bentler – “H2O: No More Wasting Water!”**
 - a. **Stockholm Junior Water Prize Grades 9-12**

- b. Best Place-Based Projecting Incorporating Local, Ecology, Natural History, or Geology**
- 79. Maisee Brown – “Ace Attack! Effect of Acne Medication on Facial Bacterial Cultures”**
 - a. Best Biomedical Project Grades 9-12**
- 80. Mackenzie Winiers – “Ability of Insulation to Retain Heat When Wet”**
 - a. Computer Science/Engineering/Physics/Chemistry Award Grade 12**
- 81. Sarah Restad – “An Unforgettable Project”**
 - a. Top Scorer Grade 11**
- 82. Ellie Ostermiller – “Safe to Hydrate?”**
 - a. Artistic Merit Grades 9-12**
 - b. Stockholm Junior Water Prize Grades 9-12**
- 83. Saejah Peak – “Family Dynamics and Educational Performance in Billings”**
 - a. Innovative Solutions for Planet’s Sustainability**
- 84. Sarah Maynard – “Comparative Analysis of the Microorganisms Living in Senior High’s and West High’s Weightrooms”**
 - a. In-Vitro Biology Award Grade 11**
- 85. Taylor Herman – “Key Atmospheric Conditions For Severe Thunderstorms”**
 - a. Best Project in Meteorology Grades 9-12**
 - b. Atmospheric Science Award**
- 86. Bo Rost – “The Effects of Iron-Doped apatite Nanoparticles on Yodasoda Phage Infection and Plaque Size in Mycobacterium smegmatis**
 - a. Top Scorer Grade 12**
 - b. 2nd in Grades 9-12**
 - c. Overall Top Scorer Grades 9-12 – MSU Billings Scholarship**

- 87. Aaron Smith & Maddie Reddick – Yields and Strength of Casein Plastics Produced by Various Fat Contents of Milk and Different Concentrations of Glacial Acetic Acid**
- a. Innovative Solutions for Planet’s Sustainability**
- 88. Amber Durden – “The Effects of Subliminal Messages”**
- a. 3rd in Grades 9-12**
 - b. Research in Psychology Award Grades 1-12**
 - c. 2nd Overall Top Scorer Grades 9-12 – MSU Billings Scholarship**
- 89. Lillian Crista – “Bacteriophages”**
- a. Mathematics Award Grades 9-12**
- 90. Hailey Smith – “Dimpled Air Foil”**
- a. Best Engineering Design Award Grades 9-12**
 - b. Interpretation of Theme Award Grades 1-12**
 - c. 1st in Grades 9-12**
 - d. ISEF Award Winner!!!**

Teacher Awards

- 1. Yellowstone County School Best Participation**
 - a. Central Heights Elementary – Corrie Bowman**
- 2. Teacher Scholarship Drawing –**
 - a. Marcus Baue – Hysham School Pre K-8**