

State of Iowa Physics Competition Results

April 9, 2019

SUMMARY

The University of Northern Iowa Department of Physics hosted the State of Iowa Physics Competition from 9:30 am to 12:30 pm in the UNI McLeod Center on Tuesday, April 9, 2019. See <https://www.physics.uni.edu/outreach/uni-physics-olympics> for more information about the Physics Competition.

Approximately 150 students from 21 different schools from 7 Area Education Agencies in the state of Iowa participated in the state competition. Participating schools include:

- Alburnett High School, Alburnett, IA
- Cardinal High School, Eldon, IA
- Cedar Falls High School, Cedar Falls, IA
- Clear Creek Amana High School, Tiffin, IA
- Colfax-Mingo High School, Colfax, IA
- Davis County High School, Bloomfield, IA
- Decorah High School, Decorah, IA
- Denver High School, Denver, IA
- Eddyville Blakesburg Fremont High School, Eddyville, IA
- Greene County High School, Jefferson, IA
- Iowa Valley High School, Marengo, IA
- Manson NW Webster High School, Manson, IA
- Maquoketa High School, Maquoketa, IA
- Marquette Catholic High School, Bellevue, IA
- MFL MarMac High School, Monona, IA
- Moravia High School, Moravia, IA
- Nashua-Plainfield High School, Nashua, IA
- New London High School, New London, IA
- Ogden High School, Ogden, IA
- St. Ansgar High School, St. Ansgar, IA
- Turkey Valley High School, Jackson Junction, IA

St. Ansgar (Devin Schwiesow, instructor) placed first, Marquette Catholic (Karen Timmerman, instructor) placed second, and Colfax Mingo (Clint Pudenz, instructor) placed third in the overall school team competition based on team totals for the 5 events. Three teams tied for 3rd place so a tie-breaker had to be used with Colfax Mingo having the greatest # of wins in head-to-head competition for all events between these teams.

The winners for the overall Physics Competition and each event follow this summary section. More detailed results on an Excel spreadsheet are in separated document have been shared with participating schools. Congratulations to all the participating teachers and students who helped make this year's state competition a success.

2019 State Physics Competition School Team Winners

Place: 1st Place **Schools:** St. Ansgar (39 points) **Instructors:** Devin Schwiesow

Students:

Jadyn Anderson, Sam Hemann, Mackenna Pannhoff, Morgan Hemann, Sophie Wold, Jack Sieviert, Sarah Phelps, Chloe Levan, Emily Hemann, & Gabby Finberg

2nd Place Marquette Catholic (31 points) Karen Timmerman

Students:

Matthew Brinker, Jacob Keil, Carson Michels, Julian Nam, Garret Krieg, Cayleigh Whitlow, Brooklyn Moore, Sunny Novtl, Jeb Schwager, & Halle Kilburg

3rd Place Colfax Mingo (22 points) Clint Pudenz

Students:

Delaney Underwood, Reghan Robinette, Will Thornton, Hagden Harlow, Endall Earls, Jordan Atwood, Kyla Lampman, Holister Koenig, & Delaney Underwood

Status of Awards:

Trophies and team medals will be sent to schools.

2018 State Physics Competition Event Winners

Note (sc) represents school teams and (ev) represents event teams.

Catapult

Place:	Schools:	Students:	Instructors:
1 st Place	MFL MarMac (sc) (54 cm)	Summer Schulte Hannah Schulte	Cheryl Drowns
2 nd Place	Ogden (sc) (54.5 cm)	Allea Klauenberg Mckayla Dozier	John Fuller
3 rd Place	Marquette Catholic (sc) (76.7 cm)	Matthew Brinker Jacob Keil	Karen Timmerman

Status of Awards:

Medals awarded on the day of the competition. Medals will be mailed to Marquette Catholic.

Mousetrap Car

Place:	Schools:	Students:	Instructors:
1 st Place	St. Ansgar (sc) (3 cm)	Mackenna Pannhoff Morgan Hemann	Devin Schwiesow
2 nd Place	Davis County (sc) (5 cm)	Jeffrey Stevens Clayton Garmon	Leroy Pankey
3 rd Place	Cardinal (ev) (6 cm)	Logan Grove Frank Smith	Dylan Hastings

Status of Awards:

Medals awarded on the day of the competition.

Bridge Building

Place:	School:	Students:	Instructors:
1 st Place	Manson NW Webster (ev) (7.179 N/g)	Ben Quade Savannah Michalski	Jessica Waller
2 nd Place	Clear Creek Amana (sc) (6.987 N/g)	Abby Crow Anna Fox	Brad Muhlenbruck
3 rd Place	Marquette Catholic (sc) (6.762 N/g)	Garret Krieg Ethan Pfiffner	Karen Timmerman

Status of Awards:

Medals awarded on the day of the competition. Medals will be mailed to Marquette Catholic.

Soda Straw Arm

Place:	Schools:	Students:	Instructors:
1 st Place	St. Ansgar (sc) (59 cm)	Sarah Phelps Chloe Levan	Devin Schwiesow
2 nd Place	Marquette Catholic (sc) (58 cm)	Brooklyn Moore Sunny Novtl	Karen Timmerman
3 rd Place	Turkey Valley (sc) (55 cm)	James Schmitt Gage Gruenberg	Caroline Scheidel

Status of Awards:

Medals awarded on the day of the competition. Medals will be mailed to Marquette Catholic.

Challenge Problem

Place:	Schools:	Students:	Instructors:
1 st Place	St. Ansgar (sc) (198.73)	Emily Hemann Gabby Finberg	Devin Schwiesow
2 nd Place	Denver (ev) (193.09)	Quinlan Manross Natalee Lyons	Jared Pickett
3 rd Place	Greene County (sc) (191.72)	Linsey Kitt Kassie Lamoureux	Laura Buxton

Status of Awards:

Medals awarded on the day of the competition. Medals will be mailed to Denver.

CONGRATULATIONS AND THANK YOU!

Congratulations to everyone who placed and participated in this year's State Competition!!! A big thank you goes out to the Rules/Advisory Committee; UNI Physics Department, UNI STEM, AEAs, and teachers for helping and supporting the competition; Kyle Steinacher and Brooke Croshier-Sidebotham and the UNI McLeod Center for allowing us to have this venue, and to all the volunteers who helped with preparation, set up, judging, scoring, and clean up!! We couldn't have done it without you! THANK-YOU! Hope to see you next year!

QUESTIONS

If you have any questions about the 2019 State of Iowa Physics Competition, check out our website provided at the beginning of this document or contact Larry Escalada via email (Lawrence.Escalada@uni.edu).