# State of Iowa Physics Competition Results

**April 11, 2023**

**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 11, 2022. See <https://chas.uni.edu/physics/outreach/physics-competition> for more information about the Physics Competition.

Approximately 230 students from 24 different schools from 7 Area Education Agencies in the state of Iowa participated in the state competition. Participating high schools include:

* Alburnett
* Cedar Valley Homeschool
* Clear Creek Amana
* Colfax-Mingo
* Davenport Central
* Denver
* Eddyville-Blakesburg-Fremont
* Hempstead
* Iowa Valley
* Manson Northwest Webster
* Maquoketa
* Marquette Catholic
* MFL Mar Mac
* Moulton-Udell
* Nashua-Plainfield
* Nevada
* North Linn
* Ottumwa Christian
* Ottumwa
* Pocahontas Area
* Riceville
* Saydel
* St. Ansgar
* Waukon

The winners for the overall Physics Competition and each event follow. More detailed results are in one Excel spreadsheet also shared with schools. Congratulations to all the participating teachers and students who helped make this year’s state competition a success.

### 2023 State Physics Competition School Team Winners

**Place: Schools: Instructors:**

1st Place Hempstead Brianna Finnegan

2nd Place Eddyville-Blakesburg-Fremont Kristen Birchard

3rd Place Clear Creek Amana Brice Jensen

### 2022 State Physics Competition Event Winners

## Catapult

**Place: Schools: Students: Instructors:**

1st Place Maquoketa Kelsey Graham Kathy Quinlan

Greyson Eltrich

15.3 cm

2nd Place Eddyville-Blakesburg- Nathan Calhoun Kristen Birchard

Fremont Russell McCrea

25.4 cm

3rd Place Denver Garret Evan Jared Pickett

Nate Rabenharst

40.2 cm

## Mousetrap Car

**Place: Schools: Students: Instructors:**

1st Place Nashua Plainfield Kendrick Huck Ben Kalinoff

Garret Rinken

0.4 cm

2nd Place Clear Creek Amana Claire Beitz Brice Jensen

Valeria Herara

Romero

0.6 cm

3rd Place Manson NW Webster Mykenzie Stuhrenberg Jessica Waller

Ashley Westering

1.0 cm

## Bridge Building

**Place: School: Students: Instructors:**

1st Place Marquette Catholic Grace Gerhard Karen Timmerman

Katie Tritz

8870 N/kg

2nd Place Manson NW Webster Korbin Jensen Jessica Waller

Lane Moline

3434 N/kg

3rd Place Hempstead Jett Didelot Brianna Finnegan

John D’Souza

3340 N/kg

## Soda Straw Arm

**Place: Schools: Students: Instructors:**

1st Place Marquette Catholic Grace Gerhard Karen Timmerman

65.5 cm

2nd Place Cedar Valley Homeschool Helen Edwards Jeff Morgan

Reilly Storm

61 cm

3rd Place Marquette Catholic Kory Kintzle Karen Timmerman

Megan Kremer

57 cm

## Measurement

**Place: Schools: Students: Instructors:**

1st Place Pocahontas Area Paige Melohn Brian Bowers

Colin Peterson

123.75

2nd Place Hempstead Jett Didelot Brianna Finnegan

John D’Souza

123.02

3rd Place Cedar Valley Homeschool Jacob Hull Jeff Morgan

Niall Stallman

122.67

**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 Support Services, AEAs, and teachers for helping and supporting the competition; 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! We plan on making some changes to the events. Thanks for your feedback!

**QUESTIONS**

If you have any questions about the 2023 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](mailto:Lawrence.Escalada@uni.edu)).