



Stories from the classroom

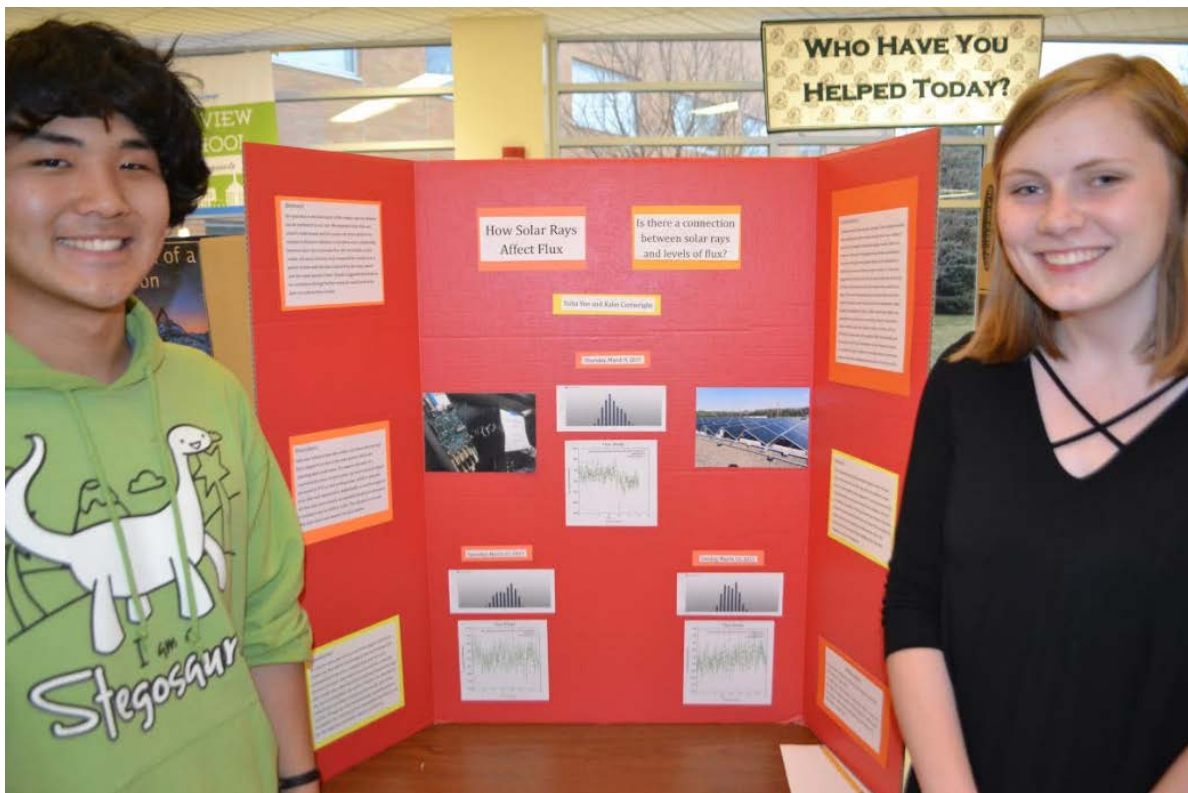
QuarkNet has enabled and encouraged two high schools in the Mounds View School District to offer a Hybrid Particle Physics Research class for our students. Many students, from very diverse backgrounds and interests, have taken advantage of this opportunity to explore their curiosity in high energy physics. Several of these students have chosen to take this class twice and pursue additional research.

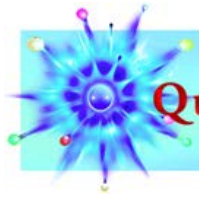
The QuarkNet e-Labs, initially the CMS and Cosmic Ray e-Labs, provide the basic material for the course. Additional class activities, found on the QuarkNet Data Portfolio, help students engage in and understand often complex concepts. The LIGO e-Lab was recently added to offer the students additional learning and research opportunities. The final project for all students follows the QuarkNet model by utilizing a poster session to share and report the students' research findings.

Groups of students, for the past four years, have worked outside of class to produce proposals for the Beamline for Schools competition at CERN.

QuarkNet has given students at Mounds View High School and Irondale High School opportunities to learn about and participate in cutting-edge research. QuarkNet is highly valued in our school district and will continue to provide unique STEM events for our students.

Mike Cartwright
Mounds View High School
Arden Hills, Minnesota
University of Minnesota Center





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