

## Fermi National Accelerator Laboratory

Fermilab is a U.S. Department of Energy national laboratory dedicated to exploring high-energy physics and uncovering the fundamental nature of matter and energy. Since its inception, Fermilab has been a world leader in particle physics, with discoveries including the bottom quark, top quark, and tau neutrino, three of the elementary particles that make up our universe.



## How we support the John C. Dunham STEM Partnership School

The Fermilab Office of Education and Outreach facilitates the connection between the school curriculum and Fermilab scientists, expertise and educational programming. Physicists and ecologists have served as experts and consultants to students and classrooms through direct email and video conferencing. Scientists and engineers have brought their knowledge and enthusiasm to the students at the John C. Dunham STEM Partnership School through interactive presentations on topics such as cryogenics, force and motion, the physics of sports and careers. The Teacher Resource Center is also available for professional development and curriculum support to the teachers and professors of the partnership.



## How we use STEM at Fermilab

Fermilab is home to around 1,750 scientists, engineers, technicians and support staff. Together they explore elementary particles; hunt for dark energy and dark matter; design, operate, and run particle accelerators and detectors; and develop theories and experiments to better understand our cosmos. We also send our staff to schools and bring students and interns to the lab to inspire the next generation of STEM professionals.