



ADVENTURES IN Science

At IOWA SCHOOL FOR THE DEAF

Iowa School for the Deaf's committed science faculty provides lessons to prepare students for the world everyday. This is no easy feat, as the school's secondary classrooms and labs are nearly 80 years old, with many of the original furnishings intact. Despite a lack of sufficient storage and cramped, sometimes inaccessible, classroom space, ISD's teachers are dedicated to creating the same learning opportunities that hearing students have. Existing equipment and facilities are adapted by experienced teachers in every class to meet current curriculum requirements and inspire students to pursue science and health careers.

ISD's science students study the same curriculum as their hearing peers. A sample of hands-on experiments prepared by science faculty:

■ **Botony** Planting and caring for the school's rain garden which filters impurities from rain water before it passes back into the groundwater. Propagating plants; forcing plants to grow in the off-season through refrigeration.

■ **Chemistry & Environmentalism** Monitoring Pony Creek, as part of the volunteer Iowater program. Students perform more than 40 chemical, physical and biological assessments to provide input on this local watershed. Researching, creating, demonstrating projects on various science principles at the annual science fair.

■ **Biology/Entomology** Conducting field research by tagging and studying Monarch Butterflies to help the University of Kansas track this species' migration habits. Monitoring and studying lab animals' weights, food intakes, sleeping habits and other biological features.

■ **Physics** Practicing bridge construction principles and experiencing the physics of land structures while re-creating world-famous bridges with 5,000 pieces of plastic construction pieces. Experiencing aerodynamics by designing complex paper airplanes to launch the farthest in the class.

Visit www.iowaschoolforthe deaf.org/science center or call 712.366.0571 to discover how you can make the plan for a new science center a reality for ISD's promising young scientists.

