

This project explores how technology can help solve real-world challenges in our community through hands-on student learning. Students at Powell High School designed and built a multi-purpose shelter to support their livestock, apply problem-solving, engineering concepts, and modern tools to create practical and sustainable solutions.

To develop foundational skills, students began by constructing birdhouses. This introductory project helps them become familiar with tools, materials, and basic design principles while building confidence and precision. As they advance, students incorporate technology such as digital design tools and accurate measurement techniques into more complex shelter projects.

The students also present their completed work, encouraging collaboration, creativity, and community engagement. These showcases demonstrate how technology can be used to address everyday needs while promoting innovation and responsibility.

In conclusion, integrating technology into hands-on projects empowers students to think critically and solve real-world problems. By connecting classroom learning to practical applications, students gain valuable skills and experience that prepare them to make meaningful contributions to their community.