

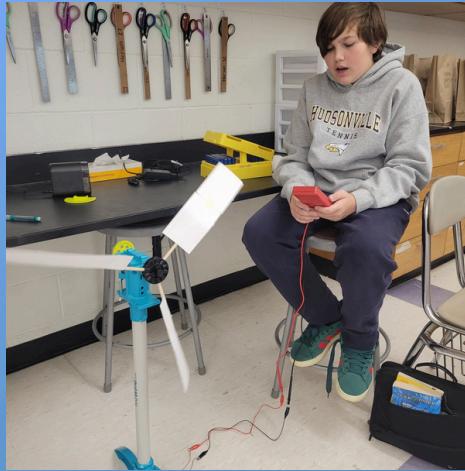


GENERATING IMPACT

HEF GRANT-FUNDED WIND TURBINE EQUIPMENT TRANSFORMS SCIENTIFIC SCENARIOS INTO MEMORABLE EXPERIMENTS



STUDENTS HAVE ACCESS TO EXPANDED MATERIAL OPTIONS



NEW EQUIPMENT EMPHASIZES AUTHENTIC LEARNING AND PROBLEM SOLVING THROUGH ENGINEERING



RESULTS INCLUDE HIGHER ACADEMIC RIGOR AND DEVELOPMENT OF CAREER-READY TECHNICAL SKILLS

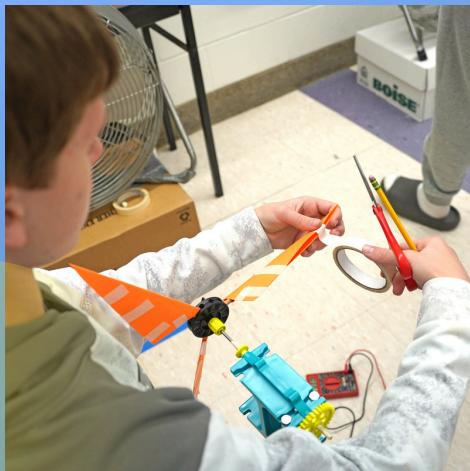
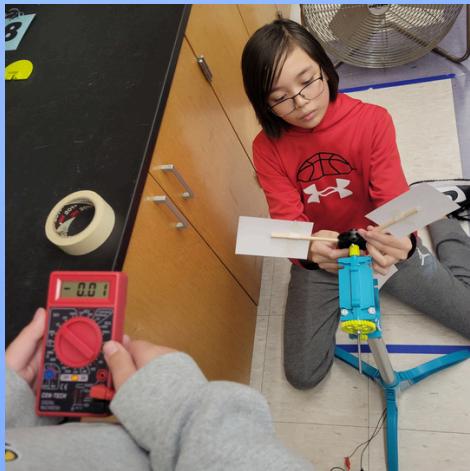
NOTES FROM OUR STUDENT SCIENTISTS:

"SUPER AWESOME BECAUSE WE GOT TO SEE THE DIFFERENT TYPES OF BLADES WORK."

"IT'S REALLY FUN BECAUSE YOU CAN ACTUALLY SEE HOW MUCH ELECTRICITY IS MADE AND IT FEELS LIKE A REAL LIFE WIND TURBINE."

"IT'S REALLY COOL BECAUSE WE GOT TO SEE HOW WIND TURBINES ACTUALLY WORK AND BE ABLE TO BUILD THEM."





THE GRANT DETAILS:

- PRIOR TO 2025, THE ELECTRICITY PROJECT INVOLVED A MANUAL STUDENT STRATEGY TO SPIN A STRAW VIA THE USE OF A FAN, PAPER, AND WASHERS.
- GRANT FUNDS LED TO THE PURCHASE OF TURBINE EQUIPMENT AND ELECTRONIC MEASUREMENT TOOLS.
- USING INDUSTRY-STANDARD TOOLS CHALLENGES STUDENTS TO USE EVIDENCE-BASED PROBLEM SOLVING, ALLOWING THEM TO CREATIVELY OPTIMIZE THEIR DESIGNS BASED ON REAL-TIME ELECTRICAL FEEDBACK.
- STUDENT-CENTERED EXPERIENTIAL LEARNING OPPORTUNITIES PROVIDE FOR DEEPER STUDENT LEARNING, MORE ENGAGEMENT, AND MORE MEANING.

-GRANT AWARD WINNER: STACY HERSON, TEACHER – 7TH GRADE SCIENCE