

hef

HUDSONVILLE
EDUCATION
FOUNDATION

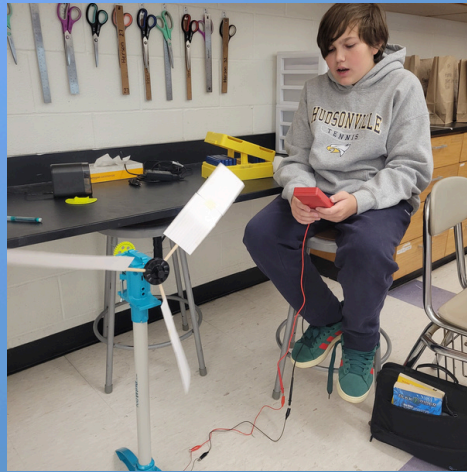


GENERATING IMPACT

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

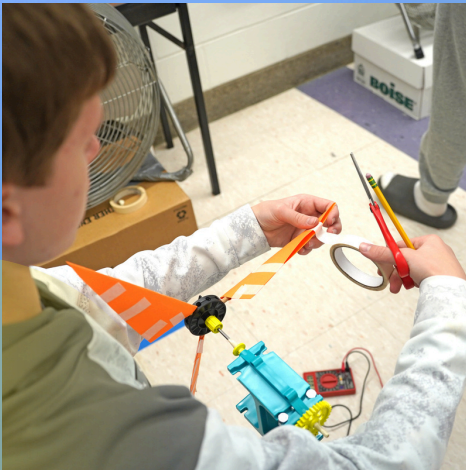
NOTES FROM OUR STUDENT SCIENTISTS:

"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