

# Shoals Community School Corporation

Sue Lanham  
Superintendent

Kendra Wright  
Treasurer

Darla Holt  
Corporation Secretary  
Deputy Treasurer

11741 Ironton Road  
Shoals, Indiana 47581  
Telephone (812)247-2060  
Fax (812)247-2278  
<http://shoals.k12.in.us>

Drexel Turpin  
President  
Eva George  
Vice President  
Annette Taylor  
Secretary  
Ethan Jones  
Member  
Lorna Troutman  
Member

## Job Description: Engineering Design Teacher

The Engineering Design teacher is responsible for delivering high-quality, project-based instruction that engages students in real-world engineering design, problem-solving, and innovation. This position prepares students for postsecondary education and careers in engineering, advanced manufacturing, and STEM-related fields through hands-on learning, industry-aligned practices, and collaboration with community partners.

### Responsibilities:

- Deliver engaging, standards-aligned instruction in robotics and PLTW Engineering courses.
- Facilitate student-driven, project-based learning experiences focused on the engineering design process.
- Guide students through long-term capstone projects involving research, design, prototyping, testing, and iteration.
- Teach and support skills in robotics systems, automation, coding (e.g., Arduino, Python, or similar), and engineering tools.
- Assess student learning using a variety of formative and summative methods aligned to PLTW expectations.
- Maintain a safe, organized lab environment, including proper use of tools, machinery, and equipment.
- Collaborate with CTE staff, counselors, and administration to support student pathways and program growth.
- Participate in PLTW Core Training and ongoing professional development.

### Qualifications:

- Candidates with industry experience in engineering, manufacturing, automation, or related fields are strongly encouraged to apply. Relevant experience may be considered instead of traditional education or certification pathways.
- Experience related to Engineering, Technology Education, STEM field, or related area
- Valid Indiana teaching license (or ability to obtain) in Technology Education, Engineering, or related field.
- Experience with robotics systems, automation, and/or engineering design processes
- Ability to obtain and maintain PLTW certification for Engineering courses.

**Apply at:** <https://www.shoals.k12.in.us/employment>