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# CAPABILITY STATEMENT

## STEM Educational Services

### Company Overview

STEM Dreams, LLC is an NC HUB-certified minority and woman-owned educational firm specializing in low-cost, high-impact K-12 STEM solutions, curriculum development, and out-of-school time (OST) programming.

Founded and led by veteran engineering educators, STEM Dreams bridges the gap between complex engineering concepts and hands-on, accessible learning for elementary and middle school students.

### Differentiators

- NC Small Business; MWBE Certified
- Pre-Approved Local Vendor: Registered vendor in Wake County and the NC eVP system.
- Higher Ed Engineering Expertise: 30+ years of engineering education and higher-ed experience leadership.
- Low-Cost Material Model: Eliminates expensive lab kit barriers by utilizing upcycled materials, maximizing program accessibility and grant budget efficiency.

### Core Competencies

- Bulk Student Workbooks & Activity Sets: Cost-effective, physical STEM workbooks (e.g., Go Play with Junk series) designed for Title I schools, libraries, and afterschool programs starting at \$1.50–\$1.75/unit.
- K-12 Curriculum & Standards Alignment: Turnkey lesson plans explicitly mapped to NGSS Engineering Design (ETS1) & Physical Science (PS2) and the NC Portrait of a Graduate (Adaptability, Critical Thinking).
- Interactive STEM Camps & Outreach: Custom hands-on workshops, summer camps, and community pop-up events utilizing low-cost and upcycled materials.

### Past Performance

- NC IDEA Grant Recipient (2022): Funded and executed targeted STEM entrepreneurship outreach.
- Public Schools of Robeson County: Delivered in-person STEM and entrepreneurship programming for Lumberton Jr. High School students.
- Published Educational Resources: Author/Publisher of the "Go Play with Junk" STEM workbook series, providing hands-on engineering activities and diverse STEM pioneer profiles (e.g., Dr. Mae Jemison, Captain Winston Scott).
- K-10 Online & In-Person Camps: Successfully delivered interactive STEM enrichment programs across North Carolina.

#### Recommended NC NIGP Commodity Codes for eVP:

715-10 – Books, Curriculum & Educational Materials  
924-05 – Educational Advisory Services  
924-40 – Instructor-Led Classroom Training  
918-38 – Education and Training Consulting

#### NAICS Codes:

611710 – Educational Support Services  
611699 – All Other Miscellaneous  
Schools and Instruction