



SERVICE LEARNING AND CIVIC ENGAGEMENT THROUGH HIGHER EDUCATION

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## **STEM KIT WORKSHOPS: ENHANCING STUDENT ENGAGEMENT AND CAREER INTERESTS AT YATES HIGH SCHOOL**

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### **ABSTRACT:**

A hands-on workshop for 30 Yates High School students in Houston introduced drone technology through building and flight activities. Students will explore how drones function and their applications in engineering, agriculture, media, and emergency response. The program combined interactive lessons with practical experience to inspire interest in STEM careers and provided valuable technical skills to students from a school with low test scores.

### **THEMATIC FOCUS:**

**Blockage and Clearance: Physical, infrastructural, financial, or organizational barriers or portals to community engagement.**

### **BIO:**

Stephanie Murrile infuses technology, such as games or web development, with real world issues to solve problems in society using a scientific approach.

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