



**Who:** 7th and 8th grade middle school girls

**What:** STEM Outreach Event for middle school girls led by the students of Science and Engineering Magnet National Honor Society.

**Where:** School of Science and Engineering at Yvonne A. Ewell Townview Center, 1201 E 8th St #216, Dallas, TX 75203

**When:** Saturday, October 13th, 2018

**Why:** To encourage and motivate more girls to pursue STEM by introducing them to various STEM fields through hands-on activities, interactive lessons, and unique opportunities in the sciences.\*

**Two Sessions:** 8am-12:30pm and 1pm-5:30pm

**Cost:** Free! Space is limited. Will take first 200 girls. 100 limit per morning and afternoon session.

**Questions?** Contact [SEMSparkSTEM@gmail.com](mailto:SEMSparkSTEM@gmail.com) Website and Registration: [semsparkstem.wordpress.com](http://semsparkstem.wordpress.com) Follow us on Instagram (@SEMSparkSTEM)

*\*More Info on Sessions:*

**Engineering-** Demonstrating principles of physics and engineering by constructing an apparatus designed to create drag and air resistance.

**Environmental science-** Making water filter using items that are part of their everyday life in order to understand how to cleanup after devastating natural events.

**Robotics-** Learning Computer Aided Design to 3-D model objects of choice and programming EV3 to battle it against others.

**Chemistry-** Identifying chemical solutions and establishing basic concepts of chemical properties in order to correctly correlate chemicals to their respective reactions.

We will also have a **SEM Student Panel** and will discuss the **SEM Admission Process** as well and offer key insights to getting in SEM and being able to pursue diverse STEM opportunities. Additionally, each of the workshops above will feature **Female STEM Professionals** who will discuss their careers and why they chose STEM!

