Igniting the Next Generation of Women Engineers & Scientists by Shrinking the Gender Gap in the STEM Field.

A summer residential program where middle and high school females use math and science skills in hands-on projects and experiments and learn exciting engineering concepts. Students will be encouraged to have fun while learning, and to learn while having fun. No prior experience is required.

Eligibility: Female student entering 7th-10th grade
To apply or learn more visit our website: edoc.engr.uconn.edu/spark

**Week I: Engineering Through The Ages:** Explore the past and present while building a more sustainable city for the future
Sunday, July 12 - Saturday, July 18

**Week II: Designing and Flying Drones:** Apply principles of material science, 3D printing, and chemistry to make a drone fly
Sunday, July 19 - Saturday, July 25

**Week III: Coding:** Design apps, make circuits, and learn to apply programming to control the world around you
Sunday, July 26 – Saturday, August 1

**Week IV: Underwater Robotics:** Explore mechanics while building and testing an underwater remotely operated vehicle
Sunday, August 2 – Saturday, August 8

**APPLICATION DEADLINE:** MAY 15th, 2020

For general questions or concerns, contact us at (860) 486-5536 or engr-edpsw@uconn.edu.