EVENT
GLAMS – Girls Learning and Applying Math and Science

FOCUS
Facilitate the introduction and exploration of STEM concepts for middle school girls, delivered by current OU engineering students

MORE INFORMATION
wie@ou.edu
www.ou.edu/coe/wie
engage.com – OU Women in Engineering Program
WiE GroupMe

OVERVIEW The mission of GLAMS (Girls Learning and Applying Math and Science) Program is to introduce middle school girls to science, technology, engineering and mathematics (STEM) and to encourage them to explore STEM concepts through fun, hands-on design projects led by current students in the University of Oklahoma (OU) Gallogly College of Engineering (GCoE) and the Mewbourne College of Earth and Energy (MCEE). According to the American Society for Engineering Education (2017), middle school is an optimal time for intervention and numerous studies show that middle school outreach programs for girls can enhance interest in STEM and reduce the perceived disconnect between their own identity and STEM fields (NSF 2016).

EVENT GLAMS is held on the OU campus and hosts approximately one hundred female students in 6th – 8th grade. During the planning phase, current engineering students in the GCoE are appointed to the GLAMS Committee to develop the theme-related STEM concepts and activities that they lead during the program (e.g., building a light saber with batteries, LEDs and copper tape to demonstrate a circuit). Students also share insight about their personal journeys through STEM with the participants. Additionally, around thirty students from the GCoE and MCEE provide service as volunteers throughout the program.

REGISTER Registration links for the upcoming GLAMS can be found here: http://www.ou.edu/coe/student_life/wie/events/glams.