Problem
Women are underrepresented in Robotics Engineering (RBE)

Solution
Developed a presentation and a hands-on activity to promote interest among middle school girls.

Jitterbug Activity
• Short intro presentation about RBE
• The Jitterbug is a “dancing” robot
• Off-center motor causes vibration
• Kids built simple circuit with motor

Assessment
• Presented to 29 girls and 28 boys
• Collected pre/post survey data
• Compared responses from groups

Data
Number of Girls Interested in RBE Before and After the Event

Number of Boys Interested in RBE Before and After the Event

Conclusions
• Girls’ interest increased
• Overall interest increased
• Kids enjoyed doing the activity
• Event was successful

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References