



# Cabarrus County 4-H

The Ribbon of Hope grant allowed the 4-H group to partner with lots of other agencies to provide over 300 students in grades 6 – 8 with curriculum, resources, and training opportunities centered around inquiry based science activities and included some teacher training in Science, Technology, Engineering, and Math (STEM) activities.

Specific programs included:

- Junkdrawer Robotics.*** Middle school teachers received curriculum guides and were trained in the Junkdrawer Robotics curriculum which reached over 250 students in May and June of 2012.
- STEM Transitional Summer Camp.*** Grant funds supported a STEM transitional summer camp at the STEM Magnet Middle School in July 2012. Topics presented at the five-day camp included veterinary science, wind power, water conservation, and agriculture. The camp was attended by 100 middle school students.
- Biofuels.*** Teachers received science kits and were trained in a biofuels curriculum; 475 middle school students attending STEM classes participated in the Biofuels hands-on project in October 2012. Students constructed “eco-bots” fashioned from pager motors, batteries, toothbrushes, and other supplies to clean up a simulated oil spill consisting of rice and graph paper representing a beach landscape.