ENGINEERING & TECHNOLOGY

Dept. RO

4-H members must be currently enrolled in the Kansas 4-H STEM project to exhibit in this department. Exhibits must have been completed during the current 4-H year.
Each exhibitor may enter one exhibit per class.

ROBOTICS

4-H members enrolled in 4-H STEM-Robotics for updated County and State Fair guidelines please contact the Extension office or http://robotics.engtech4ks.com.

JR Division—7 and 8-year-old

5505 - Robot made from a commercial (purchased) kit.

5506 - Robot designed and constructed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.

5507 - Programmable robot made from a commercial (purchased) kit.

5519 - Robot designed and constructed by exhibitor or from a commercial kit, that is operated by a remote-controlled device

5543 - Junk Drawer Robotics-based curriculum robot

Intermediate Division - 9 to 13 years old 5509 - Robot made from a commercial (purchased) kit.

5510 - Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.

5511 - Programmable robot made from a commercial (purchased) kit.

5546 - Robot designed and constructed by exhibitor or from a commercial kit that is operated by a remote-controlled device.

5544 - Junk Drawer Robotics-based curriculum robot.

Senior Division- 14 years and up

5513 - Robot made from a commercial (purchased) kit

5514 - Robot designed by exhibitor. The robot must not be a mere modification of an existing robot kit or plan.

5515 - Programmable robot made from a commercial (purchased) kit.

5547 - Robot designed and constructed by exhibitor or from a commercial kit that is operated by a remote-controlled device.

5545 - Junk Drawer Robotics-based curriculum robot

Team Robotics Project

5517 - Robot designed and constructed by two or more 4-H Robotics project members. The robot must not be a mere modification of an existing robot kit or plan. The robot may be a programmable type that is made from a commercial (purchased) kit. This division is designed to encourage teamwork and cooperation among fellow 4-H Robotics members. As with many high-tech projects today, no one person designs and builds a robot alone. It takes brainstorming, planning, problem solving, and cooperation of an entire team to complete a given robotics project.

A Grand and Reserve Grand Champion will be selected from all Engineering & Technology Class Champions and Reserve Champions.