

Mobile Robotics Technology

CHAIR: Rod Murphy, DEPCO Enterprises, LLC

CO-CHAIR: Cameron Collins, DEPCO Enterprises, LLC

CONTEST DATE: April 26, 2018

CONTEST LOCATION: Hutchinson Fairgrounds, Pride of Kansas

CONTEST TIME: 8:00 am

PURPOSE: To evaluate each contestant's preparation for employment in the field of robotics with emphasis on the team approach to problem solving in a work environment. To recognize outstanding students for their excellence and professionalism in the emerging field of mobile robotics.

ELIGIBILITY: Team of two. Open to a team of two active SkillsUSA members enrolled in career and technical education engineering program or a program that integrates robotics, engineering or pre-engineering techniques as an integral component of the instructional program.

CLOTHING REQUIREMENT: Unless the contest chair says otherwise, students are required to wear the Official SkillsUSA Kansas T-shirt and blue jeans (no tares, holes, or bagginess) clean and neat with appropriate shoes for contest or Official SkillsUSA white polo shirt attire.

** Safety glasses with side shields or goggles. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)*

Official SkillsUSA Kansas T-shirt attire



Official SkillsUSA white polo attire



2018 KANSAS STATE CHAMPIONSHIPS (KSC) CONTEST UPDATE



CONTEST UPDATES: Supplied by the contestant:

- Wi-Fi capable computer with C++ or JAVA programming and licensed.
- Programming cable or other connection devices
- Engineering notebook
- All competitors must create a one-page resume' and submit a hard copy to the technical committee chair at orientation. Failure to do so will result in a 10-point penalty.

1. The robot should be built ahead of the contest.
2. Competitors should bring extra parts, tools, batteries, and motors to the contest in their toolboxes.
3. Only parts and components from the Classroom & Competition Super Kit P/N 276-3000 will be allowed for the contest.
4. NO Virtual Programming Challenge Code scoring will be conducted.

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The PDF below covers the materials and guidelines for this year's KSC & NLSC contest challenge.

LINK: [Mobile Robotics Technology: Construction Junction](#)

NOTE: We will be following the Contest rules which are listed on the website and the attachment. Unless the National group makes a late change and comes out with a Rev. B then we will plan to move forward with the Rev. A.

9 Jan, 2018

Final rev A