



Texas Technology Student Association - Work-Based Learning and Expanded Learning Opportunities

Program of Study: Drone (Unmanned Flight)

Career Cluster: Transportation, Distribution, and Logistics

Classification of Competitive Event	Name of Event	Classification #	Link
National Qualifying Events	Drone Challenge (UAV)		https://tsaweb.org/competitions-programs/tsa/high-school-competitions/1
	Engineering Design		https://tsaweb.org/competitions-programs/tsa/high-school-competitions/1
	VEX Robotics		https://tsaweb.org/competitions-programs/tsa/high-school-competitions/2
Unique to Texas On-Site Events	Drone Competition	HU108	https://texastsarulebook.org/category/unique-to-texas-events
Unique to Texas Projects			
<i>Photography</i>	B/W Aerial - 1 photo with aerial perspective	HP6204	https://texastsarulebook.org/high-school-category-projects/photography
	Color Aerial - 1 photo with aerial perspective	HP6205	https://texastsarulebook.org/high-school-category-projects/photography
<i>Applied Technical Science</i>	ROBOTICS PROGRAMMING		
	Robotic Programming (must have printout of program with entry) teach pendant method	HP8094	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
	Robotic Programming (must have printout of program with entry) any computer based program (C++, Java, etc.)	HP8095	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
	Robot using two sensors & only 1 controlling unit	HP8096	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
	Robot using 3-4 sensors & only 1 controlling unit	HP8097	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
	Robot using 3-4 sensors & 2 or more controlling units	HP8098	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
	Robot using 5 or more sensors & only 1 controlling unit	HP8099	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
	Robot using 5 or more sensors & 2 or more controlling	HP8100	https://texastsarulebook.org/high-school-category-projects/applied-technical-science

Static display of a robotic application that moves materials/parts for delivery to an assembly line or inventory area	HP8101	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
Static display of a robotic application that welds materials or assembles parts for a product	HP8102	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
Static display of a robotic application that involves working with a hazardous material or safety application	HP8103	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
Static display of a robotic application not mentioned above	HP8104	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
B.E.S.T. Robot Display: must include the robot (may or may not be in working condition), engineering notebook from the contest, photos and/or DVD of the robot in action at actual event.	HP8105	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
F.I.R.S.T. Robot Display: must include the robot (may or may not be in working condition), engineering notebook from the contest, photos and/or DVD of the robot in action at actual event.	HP8106	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
F.T.C. Robot Display: must include the robot (may or may not be in working condition), engineering notebook from the contest, photos and/or DVD of the robot in action at actual event.	HP8107	https://texastsarulebook.org/high-school-category-projects/applied-technical-science
VEX Robot Display (not the TSA NQE VEX event): must include the robot (may or may not be in working condition), engineering notebook from the contest, photos and/or DVD of the robot in action at actual event.	HP8108	https://texastsarulebook.org/high-school-category-projects/applied-technical-science

Other robot system application not listed above. The display must include photos and/or DVD of the robot in action at actual event.

HP8109

<https://texastсарulebook.org/high-school-category-projects/applied-technical-science>