



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

Program of Study: Teaching and Training

Career Cluster: Education and Training

Classification of Competitive Event	Name of Event	Classification #	Link
National Qualifying Events	Children's Stories		https://tsaweb.org/competitions-programs/tsa/high-school-competitions
	Future Technology Teacher		https://tsaweb.org/competitions-programs/tsa/high-school-competitions/2
Unique to Texas On-Site Events			
Unique to Texas Projects			
<i>Applied Technical Science</i>	A comprehensive display encompassing selected learning activities interfacing at least 2 school disciplines. (Math, Science, English, etc.)	HP8000	https://www.texastsa.org/rulebook/category-projects/high-school/
<i>Multidisciplinary</i>	A comprehensive display encompassing selected learning activities interfacing more than 4 school disciplines (Science, Math, etc.)	HP8001	https://www.texastsa.org/rulebook/category-projects/high-school/
<i>School Display</i>	School Display - Activities in more than 2 curriculum areas	HP8113	https://www.texastsa.org/rulebook/category-projects/high-school/
	School Display - Communication Technology	HP8114	https://www.texastsa.org/rulebook/category-projects/high-school/
	School Display - Power/Energy/Tranpiration	HP8115	https://www.texastsa.org/rulebook/category-projects/high-school/
	School Display - Manufacturing/Construction	HP8116	https://www.texastsa.org/rulebook/category-projects/high-school/
	School Display - Bio-Tech	HP8117	https://www.texastsa.org/rulebook/category-projects/high-school/

	CNC/CAM [ARCHITECTURE] 3D Printer/Rapid Prototype - single part	HP5371	https://www.texastsa.org/rulebook/category-projects/high-school/
	CNC/CAM [ARCHITECTURE] 3D Printer/Rapid Prototype - 2-5 parts	HP5372	https://www.texastsa.org/rulebook/category-projects/high-school/
	CNC/CAM [ARCHITECTURE] 3D Printer/Rapid Prototype - 6-10 parts	HP5373	https://www.texastsa.org/rulebook/category-projects/high-school/
	CNC/CAM [ARCHITECTURE] 3D Printer/Rapid Prototype - 11 or more parts	HP5374	https://www.texastsa.org/rulebook/category-projects/high-school/
	CNC/CAM [BIOMED] 3D Printer/Rapid Prototype - single part	HP5375	https://www.texastsa.org/rulebook/category-projects/high-school/
	CNC/CAM [BIOMED] 3D Printer/Rapid Prototype - 2-5 parts	HP5376	https://www.texastsa.org/rulebook/category-projects/high-school/
	CNC/CAM [BIOMED] 3D Printer/Rapid Prototype - 6-10 parts	HP5377	https://www.texastsa.org/rulebook/category-projects/high-school/
Wood - Manual Turning	PEN OR PENCIL INDIVIDUALLY	HP5500	https://www.texastsa.org/rulebook/category-projects/high-school/
	PEN AND PENCIL SET	HP5501	https://www.texastsa.org/rulebook/category-projects/high-school/

	LENGTH NOT TO EXCEED 12"	HP5502	https://www.texastsa.org/rulebook/category-projects/high-school/
	LENGTH NOT TO EXCEED 24"	HP5503	https://www.texastsa.org/rulebook/category-projects/high-school/
	LENGTH NOT TO EXCEED 36"	HP5504	https://www.texastsa.org/rulebook/category-projects/high-school/
	LENGTH OVER 36"	HP5505	https://www.texastsa.org/rulebook/category-projects/high-school/
<i>Wood - Indoor</i>	Various Sizes	HP5510-HP5522	https://www.texastsa.org/rulebook/category-projects/high-school/
<i>Wood - Outdoor</i>	Various Sizes	HP5525-HP5537	https://www.texastsa.org/rulebook/category-projects/high-school/
<i>Metal - Decorative</i>	Various Sizes	HP5550-HP5573	https://www.texastsa.org/rulebook/category-projects/high-school/
<i>Metal - Functional</i>	Various Sizes	HP5580-HP5603	https://www.texastsa.org/rulebook/category-projects/high-school/
<i>Trailers</i>	Trailers - Single Axle	HP5610	https://www.texastsa.org/rulebook/category-projects/high-school/
	Trailers - Double Axle	HP5611	https://www.texastsa.org/rulebook/category-projects/high-school/
<i>Foundry</i>	FINISHED CASTING SINGLE PART	HP5620	https://www.texastsa.org/rulebook/category-projects/high-school/
	FINISHED CASTING MULTIPLE PARTS	HP5621	https://www.texastsa.org/rulebook/category-projects/high-school/
	FINISHED FOUNDRY PRODUCT (4 CAST PARTS OR LESS)	HP5622	https://www.texastsa.org/rulebook/category-projects/high-school/
	FINISHED FOUNDRY PRODUCT (5 CAST PARTS OR MORE)	HP5623	https://www.texastsa.org/rulebook/category-projects/high-school/
	ROUGH CASTING SINGLE PART	HP5624	https://www.texastsa.org/rulebook/category-projects/high-school/
	ROUGH CASTING MULTIPLE PARTS	HP5625	https://www.texastsa.org/rulebook/category-projects/high-school/
<i>All Other Materials</i>	PVC - Various Sizes	HP5650-HP5654	https://www.texastsa.org/rulebook/category-projects/high-school/
	MANUAL TURNED PEN OR PENCIL INDIVIDUALLY	HP5655	https://www.texastsa.org/rulebook/category-projects/high-school/
	MANUAL TURNED PEN AND PENCIL SET	HP5656	https://www.texastsa.org/rulebook/category-projects/high-school/
	MANUAL TURNING LENGTH NOT TO EXCEED 12"	HP5657	https://www.texastsa.org/rulebook/category-projects/high-school/
	MANUAL TURNING LENGTH NOT TO EXCEED 24"	HP5658	https://www.texastsa.org/rulebook/category-projects/high-school/
	MANUAL TURNING LENGTH NOT TO EXCEED 36"	HP5659	https://www.texastsa.org/rulebook/category-projects/high-school/
	MANUAL TURNING LENGTH OVER 36"	HP5660	https://www.texastsa.org/rulebook/category-projects/high-school/
	INJECTION MOLDING	HP5661	https://www.texastsa.org/rulebook/category-projects/high-school/
	VACUUM FORMING	HP5662	https://www.texastsa.org/rulebook/category-projects/high-school/
	CASTING	HP5663	https://www.texastsa.org/rulebook/category-projects/high-school/
	REINFORCED RESINS	HP5664	https://www.texastsa.org/rulebook/category-projects/high-school/
	NON-ACRYLIC	HP5665	https://www.texastsa.org/rulebook/category-projects/high-school/

	COMPOSITE	HP5666	https://www.texastsa.org/rulebook/category-projects/high-school/
	ACRYLICS	HP5667	https://www.texastsa.org/rulebook/category-projects/high-school/
	COMBINATION OF ANY MATERIAL	HP5668	https://www.texastsa.org/rulebook/category-projects/high-school/
	FABRIC	HP5669	https://www.texastsa.org/rulebook/category-projects/high-school/
	GLASS-FLAT	HP5670	https://www.texastsa.org/rulebook/category-projects/high-school/
	GLASS-GLASSWARE	HP5671	https://www.texastsa.org/rulebook/category-projects/high-school/
	LEATHER	HP5672	https://www.texastsa.org/rulebook/category-projects/high-school/
	PAPER	HP5673	https://www.texastsa.org/rulebook/category-projects/high-school/
	Combination of Any 2 Materials Various Sizes	HP5700-HP5712	https://www.texastsa.org/rulebook/category-projects/high-school/
	Restoration FURNITURE	HP5800	https://www.texastsa.org/rulebook/category-projects/high-school/
	MECHANICAL/MACHINE DEVICES	HP5801	https://www.texastsa.org/rulebook/category-projects/high-school/
	ELECTRICAL/APPLIANCES	HP5802	https://www.texastsa.org/rulebook/category-projects/high-school/
	TOYS	HP5803	https://www.texastsa.org/rulebook/category-projects/high-school/
	Recycled Materials WOOD	HP5900	https://www.texastsa.org/rulebook/category-projects/high-school/
	METAL	HP5901	https://www.texastsa.org/rulebook/category-projects/high-school/
	ELECTRICAL/ELECTRONICS	HP5902	https://www.texastsa.org/rulebook/category-projects/high-school/
	PLASTIC	HP5903	https://www.texastsa.org/rulebook/category-projects/high-school/
	COMBINATION OF 2+ RECYCLED MATERIALS	HP5904	https://www.texastsa.org/rulebook/category-projects/high-school/
	Applied Technical Science - Manufacturing A comprehensive display of students assembly and/or maintenance of production machines or equipment.	HP8081	https://www.texastsa.org/rulebook/category-projects/high-school/
	A display of an organization chart for a manufacturing company including job descriptions	HP8082	https://www.texastsa.org/rulebook/category-projects/high-school/
	A display of a study of the types, grades & strength of selected materials used in manufacturing (Metal, wood, polymers, others)	HP8083	https://www.texastsa.org/rulebook/category-projects/high-school/
	A display of several production career opportunities including (a) employment opportunities, (b) education or training needed, (c) job descriptions, (d) effective methods of securing jobs, and (e) future long term employment outlook	HP8084	https://www.texastsa.org/rulebook/category-projects/high-school/

	A display of an entrepreneur production venture which must include: (a) minimum, (b) organizational chart, (c) sales forecast, (d) market survey, (e) two product samples	HP8085	https://www.texastsa.org/rulebook/category-projects/high-school/
	A display to demonstrate computer applications in production systems	HP8086	https://www.texastsa.org/rulebook/category-projects/high-school/
<i>Applied Technical Science - Materials</i>	A display of materials testing	HP8087	https://www.texastsa.org/rulebook/category-projects/high-school/