



## SkillsUSA Championships and STEM

Most all of the SkillsUSA competitions have STEM components.

The contests listed below have either a focus on Science, Technology, Engineering and Math or a lesser amount and are noted accordingly.

Leadership Development Contests	STEM Focused	STEM Related
Action Skills (Special Needs)		No strong relationship/Basics
American Spirit		Scientific Inquiry
Chapter Business Procedure		Math
Chapter Display		Math/Science
Community Service		Scientific Inquiry
Employment Application Process (Special Needs)		Scientific Inquiry
Extemporaneous Speaking		No strong relationship /Basics
Job Interview		Scientific Inquiry
Job Skill Demonstrations A and Open		Scientific Inquiry
Occupational Health and Safety		Science
Opening and Closing Ceremonies		Scientific Inquiry
Outstanding Chapter		Math/Science
Pin Design (State Conference)		Math
Prepared Speech		No strong relationship /Basics
Promotional Bulletin Board		Math
Quiz Bowl		Math/Science
T-shirt Design		Math
Occupationally Related Contests	STEM Focused	STEM Related
Career Pathways Showcase		Math/Science
Customer Service		Scientific Inquiry
Engineering Technology/Design	All STEM	
Entrepreneurship	Math/Science	
First Aid/CPR	Math/Science	
Health Knowledge Bowl	Math/Science	
Health Occupations Professional Portfolio	Math/Science	
Medical Math	Strong Math	
Medical Terminology	Strong Science	
Principles of Engineering/Technology	Science, Technology/Math	
Related Technical Math	Strong Math	
Skilled and Technical Sciences	STEM Focused	STEM Related
3-D Visualization and Animation	Science/Technology/Math	
Advertising Design	Math	
Architectural Drafting	Math/Science	
Audio/Radio Production	Math/Science	
Automated Manufacturing Technology	All STEM	
Automotive Refinishing Technology	Science/Technology/Math	
Automotive Service Technology	Science/Technology/Math	
Aviation Maintenance Technology	All STEM	
Basic Health Care Skills (HS Only)	Science /Technology/Math	
Broadcast News Production	Science /Technology/Math	

<b>Skilled and Technical Sciences</b>	<b>STEM Focused</b>	<b>STEM Related</b>
Building Maintenance (Special Needs)		Math/Science
Cabinetmaking	All STEM	
Carpentry	All STEM	
CNC Milling Technology	All STEM	
CNC Turning Technology	All STEM	
Collision Repair Technology	Science/Technology/Math	
Commercial Baking	Math/Science	
Computer Maintenance Technology	All STEM	
Computer Programming	All STEM	
Cosmetology	Math/Science	
Crime Scene Investigation	Science/Technology/Math	
Criminal Justice	Math/Science	
Culinary Arts	Math/Science	
Dental Assisting	Science /Technology/Math	
Diesel Equipment Technology	Science/Technology/Math	
Digital Cinema Production	Science /Technology/Math	
Early Childhood Education		Math/Science
Electrical Construction Wiring	Science/Technology/Math	
Electronics Technology	Science /Technology/Math	
Esthetics	Math/Science	
Firefighting	Math/Science	
Graphic Communications	Science/Technology/Math	
Heating, Ventilation, Air-Conditioning and Refrigeration	Science/Technology/Math	
Industrial Motor Control	Science /Technology/Math	
Internetworking	All STEM	
Major Appliance and Refrigeration Technology	Science/Technology/Math	
Marine Service Technology	Science/Technology/Math	
Masonry	Math/Science	
Mechatronics	All STEM	
Medical Assisting	Science/Technology/Math	
Mobile Electronics Installation	Science/Technology/Math	
Mobile Robotics Technology	All STEM	
Motorcycle Service Technology	Science/Technology/Math	
Nail Care	Science/Technology/Math	
Nurse Assisting	Science/Technology/Math	
Photography	Science/Technology/Math	
Plumbing	Science/Technology/Math	
Power Equipment Technology	All STEM	
Practical Nursing	Science /Technology/Math	
Precision Machining Technology	All STEM	
Residential Systems Installation and Maintenance	Science/Technology/Math	
Restaurant Service	Math/Science	
Robotics and Automation Technology	All STEM	
Screen Printing Technology	Science/Technology/Math	
Sheet Metal	All STEM	
TeamWorks	All STEM	
Technical Computer Applications	All STEM	
Technical Drafting	Science/Technology/Math	
Telecommunications Cabling	Science/Technology/Math	
Television (Video) Production	Science/Technology/Math	
Web Design	Science/Technology/Math	

<b>Skilled and Technical Sciences</b>	<b>STEM Focused</b>	<b>STEM Related</b>
Welding	Science/Technology/Math	
Welding Fabrication	Science/Technology/Math	
Welding Sculpture	Science/Technology/Math	
<b>Demonstration Contests</b>	<b>STEM Focused</b>	<b>STEM Related</b>
Community Action Project		No strong relationship/ Basics
Graphic Imaging Sublimation	Science/Technology/Math	
Humanoid Robotics	Science/Technology/Math	
Interactive Application and Video Game Development	Science/Technology/Math	
Urban Search and Rescue	All STEM	