

<b>Exhibitor</b>	<b>Acronym</b>	<b>Exhibit Description</b>	<b>Building</b>	<b>Location</b>
Air Camp, Inc.	ACI	Information about the STEM fields related to aviation and aeronautics and table top flight simulators.	Great Hall	21
Air Force Institute of Technology	AFIT	A variety of technology hands-on demos including gyroscopic effects, aircraft dynamics, navigation, and flight	Great Hall	37
Air Force Institute of Technology Scientific Test & Analysis Techniques Ctr.	AFIT-SC	Demonstration of design of experiments and statistical analysis using nerf guns.	Great Hall	2
Air Force Institute of Technology SPIE Student Chapter	AFIT-SPIE	Fundamental optics and photonics principles including diffraction, refraction, and interference.	Great Hall	36
All American Soap Box Derby	AASBD	Learn about the science that goes into constructing and racing gravity powered vehicles.	Great Hall	11
American Chemical Society Dayton Section (ACS)	ACS	Chemistry demos for all ages to demonstrate chemical and physical process from our everyday lives.	Great Hall	5
American Institute of Aeronautics & Astronautics Dayton-Cincinnati	AIAA	Straw-rocket design, build, launch; paper airplanes, paper helicopters, origami engineering	Earley Auditorium	E3
American Society for Quality - Dayton Section	ASQ	Measurements, quality charting, gages for students to try	South Hall	H2
American Society of Civil Engineers	ASCE	Build structures with toothpicks and gumdrops!	Great Hall	55
American Welding Society	AWS	Students will be able to make a weld in virtual environment with commercial weld simulator	Great Hall	42
Boonshoft Museum of Discovery	BMD	Broad scope of programs that represent the museum.	Great Hall	1
Buildit Challenge	BC	Learn about Buildit Challenge events.	Great Hall	9
Carillon Historical Park	CHP	History of Dayton and Dayton industry with an emphasis on letterpress printing.	Great Hall	33
CAVU Group	CAVU	Color change or from the heat of your hand and how electronic sensors work.	Great Hall	10
Central State University	CSU-NSBE	See how math, science, and machines allow us to make many things!	Great Hall	16
Central State University	CSU-USDA	Explore Science, Technology and Agriculture in the world around you.	Great Hall	40
Chaminade Julianne Catholic High School	CJ-STEMM	Engineering challenges with , puzzles, brain busters, biomimicry, design and construction.	Earley Auditorium	E2

City of Dayton Fire Department	CODFD-1	The scienc and technology for fighting fires.	Great Hall	50
City of Dayton Fire Department	CODFD-2	Fire fighting and rescue equipment.	Great Hall	54
City of Dayton; Dept. of Water	CODH2O	Explanation of Dayton's Water resources and how to protect them.	Great Hall	15
Civil Air Patrol	CAP	STEM demonstrations and hands-on activities.	Earley Auditorium	E7
Dayton Amateur Radio association	DARA-1	Assemble and test FM and Crystal radio kits.	South Hall	H9
Dayton Amateur Radio association	DARA-3	Satellite demonstrations and more. Assembly of a model satellite.	Great Hall	51
Dayton Amateur Radio association	DARA-2	Visit a communication van with several radios and work stations for normal and emergency communications.	Great Hall	53
Dayton Challenger Learning Center	DCLC	Informational table about the organization along with student make and take activities.	Great Hall	45
Dayton Computer Museum	DCM	History of computer development, examples of older and newer home computers.	South Hall	H8
Dayton Linux Users Group	DLUG	Learn about open source software, open source hardware.	South Hall	H7
Dayton Metro Library	DML	Opportunities for hands-on creativity and experimentation in many different subject area.	Great Hall	8
Dayton Microcomputer Association	DMA	Have a look at what artificial intelligence is all about.	South Hall	H6
Dayton Power and Light	DPL	Electrical safety presentation "Think Hot Stay Safe "	Bldg. 18	Bldg. 18
Dayton Regional STEM Center	DRSC	Learn about the world of Science, Technology, Engineering, and Math and the 2019 Science Saturdays season.	Great Hall	12
Engineering and Science Hall of Fame	ESHOF	A photo display of Hall of Fame Inductees.	Great Hall	56
Engineers Club of Dayton	ECoD-2	Experience flying a F-16 in a flight simulator.	Earley Auditorium	E5
Engineers Club of Dayton	ECoD-1	Brain teaser puzzles, math questions on gear ratios, etc., cryptography and ciphers, optics, and bridge building,	Earley Auditorium	E6
FTC 5029 PowerStackers Robotics	FTC 5029 PS	Robotic demonstrations and competitions.	Earley Auditorium	E4

Greater Miami Valley Math Circle/Computer Science Circle	GMVMC-CSC	Get informational about the Greater Miami Valley Math Circle, Computer Science Circle, and Ohio Math Competition.	Great Hall	4
Institute of Environmental Sciences & Technology	IEST&ISA	Environmental science, contamination control, electronics mgr. , and pharamaceual process.	Great Hall	44
Institute of Industrial and Systems Engineers	IISE	"Get Ready" Project Planning exercise to help learn the steps to plan a project.	South Hall	H1
Inventors Council of Dayton	ICOD	Learn how to organize science projects, term papers, team projects and home study for success.	Great Hall	32
Leaders Emerging and Developing	LEAD	Learn about a local e-STEM Chapter which is partnered with the National Society of Black Engineers.	Great Hall	22
Mister C	MC	Using science, media, music, and humor to engage with STEAM Learning.	Great Hall	6
Montgomery County Safe Communities	MCSC	Hands-on driving simulator to demonstrate the consequences of distracted driving.	Great Hall	27
Museum of the USAF	NMUSAF	Neutral buoyancy demo.	Great Hall	3
NOAA/National Weather Service	NOAA/NWS	All about weather and water!	Great Hall	14
Ohio Tuition Trust Authority, CollegeAdvantage	OTTA	Information on college expenses and financing.	Great Hall	18
Omni Medical Systems	OMS	Rresearch, design and development of mechanical and electromechanical systems.	Great Hall	17
Project Management Institues Dayton/Miami Valley Chapter	PMI-Dayton	Organize science projects, term papers, team projects and home study for success.	South Hall	H3
Proto BuildBar	PB	WELCOME TO PROTO, THE WORLD'S FIRST BUILDBAR	Great Hall	35
SAFE Wright Brothers Chapter	SAFE WBC	Air Force safety technology demonstrations.	South Hall	H4
Sinclair College National UAS Training and Certification Center	SCC-UAS	Wind tunnel demos, flight simulation and indoor drone flying demonstrations.	Bldg 13	Bldg13
Sinclair Community College - Energy Education Center	SCC-EEC	Ride an energy bikes to experience the required power to energize LED, CFL and incandescent light bulbs.	Earley Auditorium	E1
Sinclair Community College Biology Department	SCC -BIO	Explore Biology! Stain and look inside your own cells! Learn about how living cells may be used to manufacture proteins.	Great Hall	34
Sinclair Community College Computer Aided Technology	SCC-CAM/IET	See a 3 axis CNC mini-mill doing engraving and other manufacturing technology.	Great Hall	47

Sinclair Community College, ACT, Robotics	SCC -ACT	Display of robotics in action.	Great Hall	39
Sinclair UAV Indoor Flying Pavilion	SCC-UAV	Unmanned aerial systems flying demonstrations.	Bldg. 18	Bldg. 18
Society of Automotive Engineers	SAE	Make and test a balloon-powered vehicle to see if it meets specific performance criteria.	Great Hall	46
South Ohio section of the Society of Women Engineers	SOSWE	Create make and take origami figures and devices, play Plinko and learn about different types of engineering.	Great Hall	28
The Mars Society	TMS	Images and news about Mars Exploration. Hands on activities.	Great Hall	49
ThinkTV	ThinkTV	Hands on activities that insight into jobs around Science, Technology, Engineering and Math.	Great Hall	13
Thurgood Marshall STEM High School	TG-STEM	Tri fold Chart of pictures of students in activities of the STEM Pathways.	Great Hall	26
U.S. Army Corps of Engineers	USACE	Technology of life jackets.	Great Hall	41
University of Dayton - American Institute for Chemical Engineers	UD-AIChE	Make GAK slime using a simple chemical reaction.	Great Hall	30
University of Dayton Geology Club	UD-GC	STEM & earth science - Sunday only.	Great Hall	48
University of Dayton Optics Association	UD-OA	Learn about the field of optics with polarizers, lenses, lasers, fibers etc.	South Hall	H5
University of Dayton Society of Physics Students	UD-SPS	Create a robotic program to control robot movements.	Great Hall	31
University of Findlay	UF	Explore how animals are designed (engineered) to live in diverse habitats.	Great Hall	7
WPAFB Educational Outreach	WPAFB-EO	Engage in several different hands on STEM activities.	Great Hall	43
Wright Memorial Public Library	WMPL	Explore Wright Library 's makerboxes!	Great Hall	19
Wright State Institute of Electrical and Electronic Engineering	WSU-IEEE	Student STEM projects including small electronics, and 3D printing.	Great Hall	24
Wright State National Society of Black Engineers	WSU-NSBE	Small hands on STEM activity for students.	Great Hall	23
Wright State University - Engineers Without Borders	WSU-EWB	Learn about a rainwater catchment systems and the basic fluid dynamics behind filtration processes.	Great Hall	25

Wright State University - Society of Women Engineers	WSU-SWE	SWE has given women engineers a unique place and voice within the engineering industry.	Great Hall	29
Wright State University Biological Sciences Program	WSU-BIO	Explore the world of biology from molecules to ecosystems. Hands-on demonstrations and live organisms.	Great Hall	20
Wright Stuff Rocketeers	WSR-703	A display of various models of rockets , how they workand a live static firing of a rocket motor.	Great Hall	52
Yaskawa America Inc., Motoman Robotics Division	YAI-Motoman	Experience multiple interactive robotic programing opportunities.	Great Hall	38