

Location	Acronym	Exhibitor	Exhibit Description
<b>AIM Center - Building 13</b>			
A1	OSHP	Ohio State Highway Patrol	Display technology and techniques used in crash reconstruction and speed enforcement, including the LASER and RADAR measuring devices used.
A2	AWS	American Welding Society	Welding Career information along with live welding demonstration and robot display in Bldg 13.
A3	MVSPE	Miami Valley Society of Plastics Engineers	Showing how tooling and plastics relate to programs at Sinclair.
A4	Segway	Jeff Fryman of Cincinnati	Experience riding and operating a Segway, the personal transporter, with a certified instructor.
A5	DP&L	Dayton Power & Light	Think Hot! Stay Safe! Electrical safety demonstration using 7200 volt overhead distribution setup; Dangers of high-voltage-energy.
A6	NSBE-DAE	National Society of Black Engineers-Dayton Alumni Extension	Scientific and engineering-based experiments will be provided.
<b>Great Hall - Building 12</b>			
1	AFIT-TBP	AFIT-Tau Beta Pi	Airplane wing response to vibration, a gyroscope and groundwater ecology model.
2	NMUSAF	National Museum of the USAF	Learn how an aircraft is controlled in flight and make your own controllable paper aircraft.
3	WSU-PSY	WSU-Psychology Dept.	Interactive demonstrations of various psychological principles.
4	LMC	Lockheed Martin Corporation	Lockheed Martin aircraft display featuring an Ohio Air National Guard pilot demonstrating equipment worn while flying the F-16 fighter.
5	TMS	The Mars Society	Posters and illustrations of Mars Exploration; slide show; hands-on demonstrations.
6	UD-GEO	UD-Geology Dept.	We will be teaching kids about the joys of geology through projects such as fossil finding.
7	4-H-SAC	4-H Camp Clifton-Science Adventure Camp	Come learn how Newton's Laws apply to rockets. Participants will make straw and balloon rocket to test Newton's three Laws of Gravity.
8	ABICS	ABICS Publications	Hands-on demos of the physics of soccer highlighting the linkages between science and sports; competitive handouts will be available.
9	ASCE	American Society of Civil Engineers	Hands-on demonstrations of civil engineering concepts to a wide range of ages.
10	SAE	SAE International	Come design, build, and test your very own skimmer boat! Fun for all ages!
11	SW	SunWatch Indian Village & Archaeological Park	A display featuring ancient technology and modern archaeological methods for interpreting the past.
12	W.O.W! & AIAA	WPAFB-Wizards of Wright & AIAA	See aerospace fundamentals along with marvels of science.
13	Kiwanis	Kiwanis Club of Dayton	Students will be given a Sudoku puzzle. When they return the completed puzzle to the exhibit table, they will receive a candy prize.
14	DARA	Dayton Amateur Radio Assn	We will provide FM Radio Kits for assembly and a display about amateur radio.
15	MVAS	Miami Valley Astronomical Society	Demonstrations and handouts given on astronomy.
16	ACS	American Chemical Society-Dayton Section	Hands-on demonstrations exploring chemistry.
17	WSU-EES	WSU-Earth & Environmental Sciences Dept.	Earthquake: How scientists locate epicenter and estimate magnitude of earthquake. A foot-on and hands-on demonstration of earthquake.
18	UD-ETHOS	Engineering in Technical Humanitarian Opportunities of Service Learning	We will demonstrate different types of renewable and sustainable energy, and how we can help in the U.S. and around the world.
19	WSU-MATH	WSU- Mathematics & Statistics Dept.	Hands-on computer demonstrations of the interplay between algebra and geometry.
20	DRSS	Dayton Regional STEM School	Fortune-telling fish? Can you explain why your fish is moving differently from the person's next to you? BTW The fish is yours to keep!
21	DRSC	Dayton Regional STEM Center	Hands-on activities and demonstrations dealing with Science, Technology, Engineering and Mathematics (STEM) principles.
22	UD-ED	UD-School of Education & Allied Professions	We will have hands-on science activities that practice observations and inferences (you will discover the meaning of this word ).
23	INCOSE	Intern. Council on Systems Engineering-Wright Bros. Chap.	Make paper airplanes to fly and other engineering projects.
24	CSU & NSBE	Central State Univ. & National Society of Black Engineers	Sing a song! Make some noise! Manufacture your own kazoo!
25	WSU-BIO	WSU-Biological Sciences Dept.	Explore the world of biology and the natural sciences. Hands on experiments, live organisms, and new technology in the field of biology.
26	UD-BIO	UD- Biology Dept.	Hands-on experience with vertebrate anatomy for students interested in Biology, Medicine and Veterinary School.
27	AFIT/ENV	AFIT-Systems & Engineering Management Dept.	Visual and hands-on demonstration of using science to protect health.
28	DTMA	Dayton Tooling and Manufacturing Assn	Come see 15 pound combat robots built by local students in action-- and find out how you can build your own!
29	UD-PHY	UD-Physics Dept.	Our exhibit will illustrate resonance phenomena with hands-on experiments.
30	WSU-PHY	WSU-Physics Dept.	Hands-on demonstration and activities illustrating the Laws of Physics.
31	UD-CME & AICHE	UD-Chemical Engineering & American Institute of Chemical Engineers	A hands-on activity where you will be taking common household items and through a chemical reaction making a new fun product.
32	IST	Infocitex Corporation	Hands-on demonstration of fixed wing flight.

33	NPS	National Park Service	Exploring aviation with the Wright brothers in Dayton, Ohio.
<b>Great Hall - Building 12 - continued</b>			
34	CHP	Dayton History-Carillon Historical Park	Our exhibit features the history of technology, including printing and the Wright brothers.
35	ICOD	Inventors Council of Dayton	See a 1/32 scale Wright Flyer in a wind tunnel, a fuel cell car, a time tunnel, rover and rocket guidance demos with 3D stereo pictures, plus more.
36	Kirkmont	Kirkmont Center	Do your own hardness and acid tests on rocks using a variety of rock samples, vinegar and a ceramic tile - there is more at Kirkmont Center.
37	ThinkTV	ThinkTV Network-PBS	Think TV, Dayton's PBS station, offers multimedia interactive educational resources for PreK-12 educators and students in the Miami Valley.
38	IEST & ISA	Institute of Environmental Science & Technology & International Society of Automation	IEST - IR camera, shaker table with balsa airplane and composite mat; ISA - Instrumentation with strain gage, weight balance, and thermocouples.
39	W.O.W! & AIAA	WPAFB-Wizards of Wright & AIAA	See aerospace fundamentals along with marvels of science.
40	CAP	Wright Bros. 282nd Aero Composite Squadron	Hands-on aerospace activities, live radio direction finding exercises, and introduction to CAP activities.
41	ASC	Affiliate Societies Council	General Information including Scout Merit Badge How to help with TF 2011, Donations, etc.
42	SCC-ET	SCC-Electronic Engineering Technology	Display of information about robotics programs.
43	SCC-AVT	SCC-Aviation Technology	Flight Simulator and displays for aircraft maintenance (parts).
44	CLC	Dayton Challenger Learning Center	Interactive robotics and hands-on space related activities. FIRST Lego Robotics team will demonstrate.
45	4-H-R2T2	4-H Club-Really Rad Tech Team	Geographic Information System (GIS) for disaster preparedness. See a tornado simulator and learn how tornados form.
46	NWS	NOAA, National Weather Service	Hands-on display of how wind speed and direction can be measured. Convert Knots to MPH. See a display of current weather information.
47	AMS	American Meteorological Society -Wright Memorial Chapter	Science of local weather and global warming, and a tornado video with free weather stuff are offered.
48	UD-MAE	UD Mechanical & Aerospace Engineering Dept.	Hands-on activity with the theme of energy-sustainability (energy that meets the present needs without hurting future generations).
49	SME & Gosiger	Society of Manufacturing Engineers & Gosiger, Inc.	We will have a laser set up to laser etch pens or dog tags personalized for children.
<b>South Hallway Rooms - Building 12</b>			
Rm 113	DCM & DMA	Dayton Computer Museum & DMA	The Computer Museum room shows how computer engineering has changed a large, room-sized computer so that it now fits on your desk at home.
Rm 119	DARA	Dayton Amateur Radio Assn	We will provide FM Radio Kits for assembly and a display about amateur radio.
<b>South Hallway - Building 12</b>			
H1	ASQ	American Society for Quality	Learning about quality variation and requirements using cereal demonstration.
H2	IIE	Institute of Industrial Engineers	Students determine steps needed to get ready for school within 30 minutes.
H3	PMI	Project Management Institute-Dayton/Miami Valley	Learn to organize tasks locally to meet project requirements. Have fun with simple projects. Become good with planning school projects.
H4	SAFE	SAFE Assn-Wright Bros. Chapter	The exhibit will consist of manikins, an ejection seat and other items related to research and development in the fields of safety and survival.
H5	UD-EOP	UD-Electro-Optics Program	Laser light demonstrations with applications to optical communication celebrating the 50th Anniversary of the Laser.
H6	CFUSA	Camp Fire USA-Dayton Council	Show and tell about lasers and how lasers behave in different materials celebrating the 50th Anniversary of Lasers.
H7	DML	Dayton Metro Library	Library materials supporting science, technology and math will be displayed and discussed.
H8	DMA & DACW	Dayton Microcomputer Assn & Dayton Assn Computing Women	Cracking the case of a desktop PC to have a look inside the box, see how it's put together, and what makes it work.
H9	DLUG	Dayton Linux Users Group	Get free software - games, learning software, and more. Find out how and why it's made.
H10	DTMA	Dayton Tooling and Manufacturing Assn	Come see 15 pound combat robots built by local students in action-- and find out how you can build your own!
<b>Earley Auditorium, Rm 172 - Building 12</b>			
E1	BMD	Boonshoft Museum of Discovery	We will display a FIRST Lego League competition table. Teams will run their robots.
E2	ECOD	Engineers Club of Dayton	Interactive problem solving activities for K-8.
E3	FTFF	First To Fly Foundation	Visit "The First To Fly" and build a Wright Flyer wing rib and fly a simulator of a sport plane. Space glider handouts will be available.
E4	SCC-ETD	SCC-Engineering Technology Design	Solar car racers on a track with flood lights to operate racers. Backhoe simulator. Structural bridge assembly and load readout.
E5	AIAA	American Institute of Aeronautics & Astronautics	Come build a soda-straw rocket and launch it with our rocket launcher. Hit a target and win a prize!
E6	UD-IEEE	UD-Institute of Electrical & Electronic Engineers-Student Section	We'll show how a guitar note is processed and generated through use of MATLAB, the technical computing software for engineering and science.
E7	RRI	Riverside Research Institute	We offer exciting hands-on science activities and 4D interactive animations.
E8	WSU-CECS	WSU-College of Engineering and Computer Science	Interactive K'NEX models, information about engineering and computer science, large motorized K'NEX ball drop and mini Baja vehicle.
E9	FLL	First Lego League	Hands-on display and teaching Lego NXT robot building and programming.