

# CUYAHOGA VALLEY CAREER DEVELOPMENT STEM CAREER EXPO PROGRAM



BUSINESS BOOTHS Cafeteria	9:30-12:00	Disciplines denoted by colors:	Science Technology & Math Engineering
COLLEGE CORNER Cafeteria	9:30-12:00		
CAREER PANELS	9:30-10:00 AND 11:00-11:30		

SCIENCE	TECHNOLOGY/MATHEMATICS	ENGINEERING
<i>Conference Room A</i>	<i>IDL Lab (Room 511)</i>	<i>Energy Systems Classroom (Room 551)</i>
Panel: Genetics Counselor Chemist Pharmacist	Panel: IT Managers (2) Actuary Director of Engineering	Panel: Mechanical Engineer Process Development Chemical/Environment Engineer

Sponsored by:



# Cuyahoga Valley Career Center

## STEM Expo 2/5/11

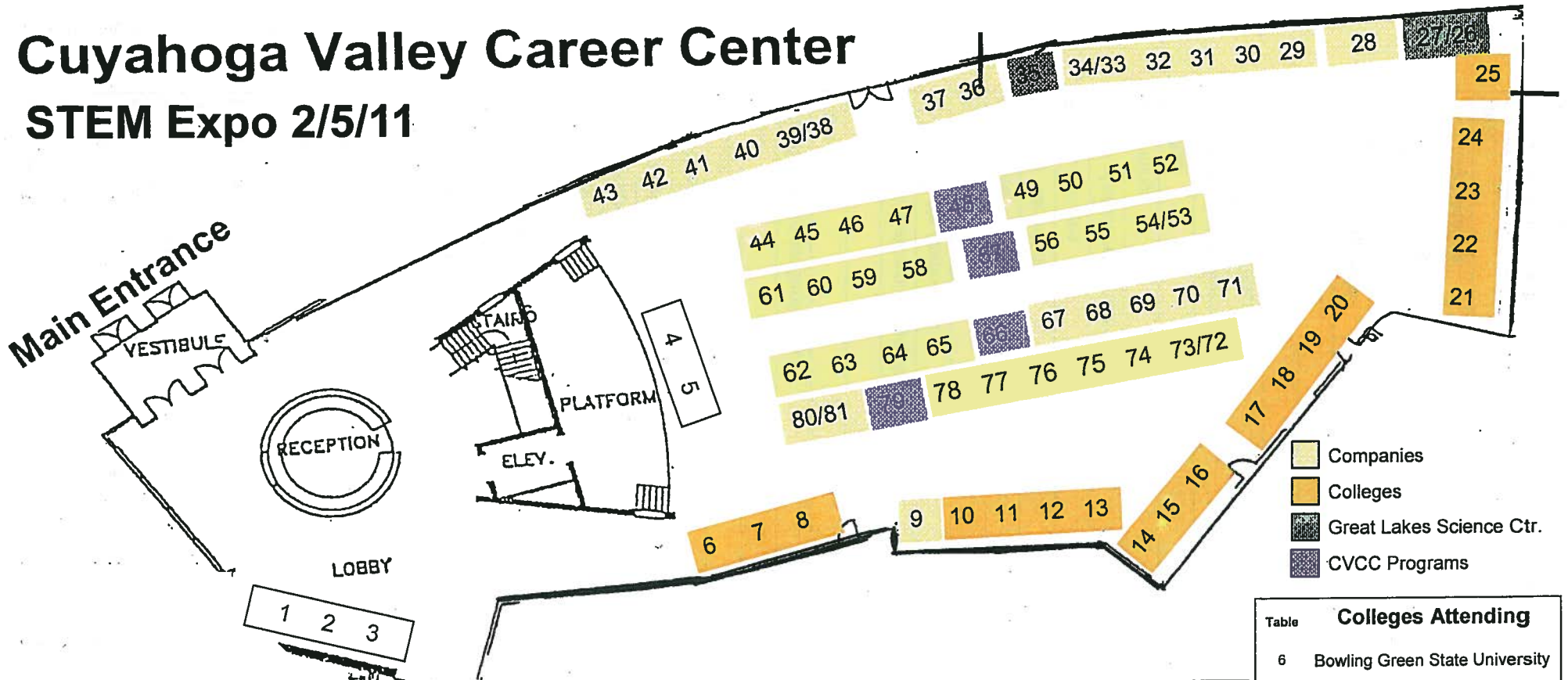


Table #	Company
1-3	Registration/Information
4-5	Refreshments, CVCC Fundraiser
6-8,10-25	Colleges & Universities—see list at right
9	Society of Women Engineers
26-27	Great Lakes Science Center
28	NASA
29	Nalco Co
30	AIChE
31	Sherwin-Williams
32	CampTech, Inc.
33-34	Progressive
35	CVCC Computer Networking Academy
36	CISCO
37	Mutual Shareholder Services, LLC
38-39	Moen
40	Microsoft
41	Cleveland Engineering Society (CES)
42	CVCC Information

Table #	Company
43	Exit Survey
44	Hard Hatted Women
45	Metrics Marketing Group
46	American Society of Materials (ASM)
47	SSP Fittings
48	CVCC Energy Systems
49	National Association of Women in Construction
50	Lockheed Martin
51	Valtronic USA Inc
52	Parker Hannifin Corporation
53-54	STEMout
55	Product Tree
56	URS
57	CVCC Computer Aided Design
58	Rockwell Automation
59	American Society of Mechanical Engineers (ASME)
60	US Dept of Agriculture, Natural Resource Conservation Service
61	The Lubrizol Corporation

Table #	Company
62	CCG Energy Solutions
63	The RoviSys Company
64	Swagelok
65	ARSC Aerospace
66	CVCC Engineering Technology
67	Keyland Polymer
68	Cleveland Metroparks
69	Cuyahoga County Coroner's Office
70	Akron Children's Hospital
71	Jina Demeo
72-73	Cleveland Clinic
74	Metro Health Medical Center
75	Summit Dental Specialist
76	Thai Massage Cleveland
77	Summa Western Reserve Hospital
78	Twinsburg Fire Department
79	CVCC Health Careers
80-81	University Hospitals

Table	Colleges Attending
6	Bowling Green State University
7	Case Western Reserve Univ.
8	Cuyahoga Community College
10-13	Cleveland State University
14	Kent State University
15	Miami University
16	Mount Union College
17	NEOUCOM
18	Ohio College of Podiatric Med.
19	Ohio Northern University
20	Ohio University
21	The Webb Institute
22	University of Akron
23	University of Cincinnati
24	University of Dayton
25	University of Toledo

Companies are listed alphabetically on back.

# STEM WEBSITES

STEM	
<a href="http://stemcareer.com/topcareers">http://stemcareer.com/topcareers</a>	Has great resources for students, parents, and educators, including top STEM careers, media tutorials, and key links to STEM disciplines and degree profiles.
<a href="http://www.thefutureschannel.com/">http://www.thefutureschannel.com/</a>	The Futures Channel produces and distributes high quality multimedia content that connects mathematics, science, technology and engineering to the real world of careers and achievement, providing a context and purpose for what students are learning, and allowing them to envision their own successful futures. Each week a selection of new movies and educator favorites are featured on the website.
<a href="http://www.sallyrides.com">www.sallyrides.com</a>	An innovative science content company dedicated to supporting girls' and boys' interests in science, math, and technology. Dr. Sally Ride, America's first woman in space, founded this to create quality programs and products that educate, entertain, engage and inspire.
<a href="http://www.acinet.org/acinet">www.acinet.org/acinet</a>	Use this CareerOneStop site sponsored by the U.S. Department of Labor to watch videos about different STEM careers and take online quizzes to see what jobs might fit you best.
<a href="http://nasajobs.nasa.gov">http://nasajobs.nasa.gov</a>	Discover the world of STEM career opportunities available to students and graduates at NASA; includes a special section for students on education, employment, and research and development.
SCIENCE	
<a href="http://www.tryscience.com">www.tryscience.com</a>	Your gateway to experience the excitement of contemporary science and technology through on and offline interactivity with science and technology centers worldwide.
<a href="http://www.sciencebuddies.org/">http://www.sciencebuddies.org/</a>	The award-winning, non-profit Science Buddies empowers K-12 students, parents, and teachers to quickly and easily find free project ideas and help in all areas of science from physics to food science and music to microbiology. Whether your goal is to find a fun science activity for your kids or win the international science fair, sciencebuddies.org puts comprehensive, scientist-authored tools, tips, and techniques at your fingertips.
<a href="http://www.pbs.org/safarchive/5_cool/53_career.html">http://www.pbs.org/safarchive/5_cool/53_career.html</a>	Thinking about a future in science? Ever wonder just what scientists do every day? Or what it takes to prepare for a science career? Check out what these real-life scientists have to say about how they chose their work, what they do every day and why they enjoy being scientists.

<a href="http://www.tryscience.org/parents/se_2.html">http://www.tryscience.org/parents/se_2.html</a>	Opportunities to explore and benefit from science abound in your community. To help you find out about science resources in Akron, check out online guides to resources in these Partnership for Science Literacy sites. A generic version of the guide provides useful information and hints on science activities for parents and families everywhere. This rich, interactive site encourages kids to try science with field trips to science centers around the world, experiments to do on line and at home, and cool science adventures.
<a href="http://www.exploratorium.edu/explore/hands-on.html">http://www.exploratorium.edu/explore/hands-on.html</a>	This easy-to-use page on the website of the Exploratorium, the renowned science center in San Francisco, offers many hands-on science activities and knowledge resources in 10 different categories. You can learn about candy or even how to make a mummy!
<a href="http://www.marinecareers.net">www.marinecareers.net</a>	Explore marine-related careers such as oceanography, ocean engineering, and marine biology by viewing profiles of people working in these fields; includes salary and education information.
<b>TECHNOLOGY</b>	
<a href="http://www.nwcet.org/">http://www.nwcet.org/</a>	The National Workforce Center for Emerging Technologies (NWCET) is an NSF Advanced Technology Education Center in Information Technology located at <a href="#">Bellevue College</a> , in Bellevue, Washington. Has info about IT scholarships.
<a href="http://computingcareers.acm.org/">http://computingcareers.acm.org/</a>	Provides information that will help you prepare for a career in this area. In particular, we hope this site can help you decide how to develop the skills you need to be successful in a computing career. The stories on this site tell about real people in real jobs, giving a sense of the excitement and motivation computing careers can give you.
<a href="http://www.ncwit.org/?gclid=CM237feV51OCFRSpIgodmDifrQ">http://www.ncwit.org/?gclid=CM237feV51OCFRSpIgodmDifrQ</a>	NCWIT is the National Center for Women & Information Technology. It is a coalition of over 250 prominent corporations, academic institutions, government agencies, and non-profits working to increase the participation of girls and women in computing and IT. Provides virtual mentors for engineering and IT college students at <a href="http://www.mentornet.net/">http://www.mentornet.net/</a> .
<a href="http://www.it-careers.org/">http://www.it-careers.org/</a>	Has an electronic computer career resource center that lists some of the most popular career paths, and provides information on educational and training requirements, job descriptions, and more.
<a href="http://information-technology.careerbuilder.com/?ch=IT">http://information-technology.careerbuilder.com/?ch=IT</a>	Provides valuable information about careers in IT (such as computer scientist or database administrator), as well as news about the IT industry.
<a href="http://www.ehow.com/computer-programmer/">http://www.ehow.com/computer-programmer/</a>	Lots of great information about being a computer programmer, including duties, requirements, salaries and benefits. Some short videos of computer programmers talking about their jobs.

<b>ENGINEERING</b>	
<a href="http://www.engineeryourlife.org">www.engineeryourlife.org</a>	To encourage high school girls to explore engineering careers, the National Academy of Engineering designed this website just for them. Visit the site to read about female engineers and learn about cool new opportunities for women in engineering.
<a href="http://www.nacmebacksme.org">www.nacmebacksme.org</a>	The National Action Council for Minorities in Engineering has created a special website for students, parents, and teachers featuring helpful information about engineering careers, becoming an engineer, and paying for college.
<a href="http://www.tryengineering.org">www.tryengineering.org</a>	Find out if engineering is right for you by participating in hands-on experiments and online games, getting answers to your STEM career and education questions from current engineering students and professionals, and researching summer engineering and college programs.
<a href="http://engineering.suite101.com">http://engineering.suite101.com</a>	Learn about the engineering profession, including the branches of engineering, what engineers do, and the contributions of engineers to society.
<a href="http://www.asee.org/k12/index.cfm">www.asee.org/k12/index.cfm</a>	American Society for Engineering Education has many resources, including a great powerpoint.
<a href="http://www.discoverengineer.org">www.discoverengineer.org</a>	Facts, information, activities and resources relating to careers in engineering.
<a href="http://www.engineeringsights.org">www.engineeringsights.org</a>	A Sightseer's Guide to Engineering takes you to engineering creations across the U.S. to discover the countless sights that tell the engineering story.
<a href="http://www.engineeringand.com">www.engineeringand.com</a>	Covers development in engineering and features examples of how engineering intersects with the economy, society, education, and national interests.
<a href="http://www.jets.org">www.jets.org</a>	Junior Engineering Society is a national non-profit educational organization dedicated to promoting engineering and technology careers. Provides academic competitions, educational activities and career guidance resources.
<a href="http://www.tryengineering.org">www.tryengineering.org</a>	IBM website that is a great resource for students (8-18), parents, teachers and school counselors. The portal about engineering careers helps young people understand what engineering means and how it can be part of their future.

<b>MATH</b>	
<a href="http://www.whymath.org/">http://www.whymath.org/</a>	The Society for Industrial and Applied Mathematics (SIAM) has developed <i>Why Do Math</i> to showcase exciting mathematical and computational science topics at a popular science/lower collegiate level. This website shows that an undergraduate mathematics education can be an entryway to rewarding and engaging career opportunities. For more information about <b>SIAM</b> visit the website: <a href="http://www.siam.org">www.siam.org</a> .
<a href="http://www.ams.org/programs/students/high-school/high-school">http://www.ams.org/programs/students/high-school/high-school</a>	American Mathematical Society website includes profiles of people employed in mathematical careers, <b>and a listing of sites</b> on Mathematics Help, Local Math Clubs and Events, Online Magazines for High School Students, Posters and Tools, Careers, Math Competitions and Contests.
<a href="http://www.careercornerstone.org/mathematics/mathematics.htm">http://www.careercornerstone.org/mathematics/mathematics.htm</a>	The Sloan Career Cornerstone Center offers resources to explore career paths in actuarial science, mathematics, and statistics. Each section offers resources on earnings, employers, and universities offering degrees in each field. In addition, the preparation areas provide insight into the courses a student might take, and the importance of internships or other work experiences. For each field, there are links to professional societies that can provide support and resources and career path forecasts for each field.
<a href="http://weusemath.com/careers">http://weusemath.com/careers</a>	Sponsored by BYU Mathematics Department, this fun website includes up-to-date career information, interesting examples of how math applies to real life, new discoveries in math, math tidbits, unsolved math problems, tips on how to succeed in math, and other resources.
<a href="http://www.maa.org/careers/profiles.html">http://www.maa.org/careers/profiles.html</a>	The MAA (Mathematical Association of America) provides career profiles that cover a wide variety of careers for which a background in the mathematical sciences is useful. They provide practical answers to the question: "Why should I study math?" Most of those profiled use mathematics on a daily basis, while others rely on the general problem solving skills acquired in their mathematics courses. There is also a print brochure available with select profiles.
<a href="http://www.coolmath.com/careers.htm">http://www.coolmath.com/careers.htm</a>	Do you like math, but don't know what you can do with it when you get out of school? Do you have a job in mind, but don't know how much math education (BS, MS or Ph.D.) you'll need? Check out this website.