

2016 Career Workshop Sessions

Students: Please indicate your top five choices on your registration form.

#	Workshop Title	Career	Description
OD74	A Female Police Officer's Job	Public Safety	Why there aren't more women in law enforcement and how you can better prepare yourself to compete in this field.
OD5	Bones, Bugs & Splints - Oh My!	Nurse/Medical	Take a look into a day in the operating room! From casts, to intubation, to gowns and gloves!
OD60	Breakout EDU	Technology/Engineer	This interactive workshop will have participants using collaboration, problem-solving, and engineering skills to solve a series of challenges to "unlock" the key to stop the Mad Engineer.
OD58	Calculating for Tomorrow	Accountant	If you like helping people, solving puzzles, and even math - you might want to consider a career in Accounting! Help others manage their taxes, evaluate risks, and perform financial reporting. Find out what this great career path is all about!
OD91	CEO Like a Girl	Entrepreneur	If you've ever watched Shark Tank, you know that simple ideas can have a huge impact. In this workshop you will discover what it's like to be an entrepreneur by developing an innovative idea for a product, creating a product and preparing an "elevator speech". Talk to women who have jump started their own business and learn about entrepreneurship by turning "half baked" ideas into revolutionary products or services.
OD9	Chiropractic: Living in Balance	Chiropractor	What is a chiropractor? How are they different from medical doctors? Learn about the role of chiropractors and how they keep the lives of their patients in balance. This is a hands-on workshop with a bonus salad-in-a-jar meal prep!
OD10	Cryptography – Toy Ciphers, Secret Codes & More!	Computer Scientist/Math	What is Cryptography? And how do we use it every day? Using skills in math and computer science, we will try to understand a secret message!
OD92	Designing Labels	Mechanical Designer	How are QR codes and barcodes designed? Learn about this exciting career and how we support businesses in our work. Hands-on activities!
OD11	DNA – The Genetic Information of Life	Scientist/Researcher	All living organisms have DNA, which is a blueprint for all cellular processes. Learn about the many fascinating things you can extract DNA from, and what scientists have learned from this information. Learn about the different careers that require an understanding of DNA, and extract DNA from fruit!
OD12	Doctor for a Day	Doctor/Medical	Experience what it is like to be a doctor for a day! Learn about human anatomy by viewing and touching real human specimens. Learn and practice basic physical exam procedures and what it takes to be a doctor!



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OD71	Environmental Chemistry: Health & Climate Impacts of Air Particles	Chemistry	Chemistry impacts many areas of our lives, including the environment. Students in this workshop will participate in a hands-on activity to identify the health and climate impacts of atmospheric particles.
OD89	Facing Change Head On: Broadening Horizons to Embrace the Unknown	Social & Environmental Scientist	Change is the only constant in life. The idea of staying in a single career, let alone a single job, in the 21 st Century is often a rarity. Learn how to embrace the opportunities that come with change and find ways to bring your own ideas to life!
OD46	Fear Factor Tasting Challenge	Dietician	Explore the many aspects of a career in dietetics. Taste new foods while discussing how nutrition impacts overall health, and how registered dietitians impact customers, patients and all citizens.
OD7	Field of Streams	Environmental & Public Health Laboratory Science	The fields of environmental and public health laboratory science are critical to understanding how water quality impacts our lives. Button up your lab coat and discover <i>YOUR</i> field of dreams...or rather, <i>streams!</i>
OD16	Food and Nutrition - Testing Your Senses	Dietician	Dietitians advise people on what to eat in order to be healthy, or to reach a health-related goal. Learn more about being a dietician in this workshop, and test your senses by creating and tasting new foods!
OD47	Holding it All Together	Mechanical Engineer	From hand-held GPS to communicating with the Mars Rover, learn how mechanical engineers at Rockwell Collins put all the pieces together. Test your mechanical skills with a hands-on building competition.
OD93	I Like Math & Science...But I'm Not an Engineer	Supply, Logistics, Costing & Finance	You might be thinking that science, technology, engineering, and math (STEM) skills aren't important because you're not interested in becoming an engineer. But almost <i>all</i> jobs require some STEM-related skills. This workshop will explore opportunities in the fields of supply chain, cost and logistics. Experience each of these fields through the creation, assembly and testing of a product.
OD37	I Want to be a Veterinarian	Veterinarian	So you'd like to be a vet? There is more to being a vet than just giving vaccines to cats and dogs. Learn what happens behind the scenes including how illnesses and conditions are diagnosed
OD48	It's a Material World	Materials Engineer	Learn how materials make or break the world around us from a Rockwell Collins materials engineer. Test your material knowledge with a fun hands-on challenge.
OD21	It's Not a Stretch – You can be an Engineer, too!	Engineer	Learn how engineers design and make plastics that you encounter every day. Create your own stretchy putty to take home with you.
OD90	Making Websites Come Alive	Software Developer	Join this workshop to learn the career opportunities and misconceptions about software engineering, or coding. Try your hand at



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OD81	Math in the Real World	Statistician	Do you love numbers, or data, or gathering and organizing information? Do you want to make an impact that you can see? Statistics helps people make important decisions every day. Come and learn about this great career path!
OD88	Music to My Ears	Music Therapist	Music can inspire, and music can help heal. Learn about a career in music therapy, and how music helps clients with social skill development, focusing attention and other areas.
OD96	Occupational Therapy	Occupational Therapist	No description available.
OD26	Physical Therapy	Physical Therapist	Discover how physical therapists use technology and exercise to improve the lives of their patients, whether as result of sports injuries, accidents or medical condition.
OD85	Plan A City You Want to Live In	City Planner	What makes a place somewhere you want to call home? What goes into city planning? Learn how to build a city of your own with City of CR leaders in a fun and interactive way that includes a budget for your team to plan and create your city!
OD36	Programming from Scratch	Computer Programmer	Learn about problem solving with programming through an introduction to the MIT Scratch programming software! Students will be able to create their own programming projects and take them home on a flash drive that will also include other resources to expand their computer and programming experience.
OD49	Putting the Power into Electronics	Electrical Engineer	Rockwell Collins produces hand held GPS and radios that communicate with the Mars Rover; learn how electrical and systems engineers power the world and beyond! Test your electrical skills with a hands-on experiment.
OD98	Science for Nature Lovers	Naturalist	Do words like "forestry", "conservation" and "environment" make you smile? Well join this hands-on workshop to learn more about careers that support our natural resources.
OD97	Technology in Wildlife Research	Naturalist	Learn about the various technologies used in wildlife research, such as telemetry and mapping. Participants in this session will have the opportunity to handle live animals, such as turtles!
OD75	Technology Tour	Graphic Artist	Digital artists and graphic designers have the best tools! This beginning level workshop will sample the software and systems that graphics artists use to transfer their creative ideas through their fingertips!

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OD55	The CSI of the Hospital	Lab Researcher	What happens to your blood after it is collected? Why are different colored tubes used? Why does your doctor order laboratory testing? Meet the people behind the scenes and find out what really happens to your blood and body fluids! Help diagnose patients and aid the doctor in treatment. After all, 70-80% of any diagnosis starts in the laboratory. It's time to discover the mysteries the body holds.
OD14	The Face Behind the Mask	Nurse/Medical	Participate in a mock surgery with suturing or stitching, breathing tube insertion, and electrocautery (clotting or stopping bleeding).
OD17	The Fruit Shapes Adventure	Food Engineer	Participate in the fun processing steps to make fruit shapes. Learn about equipment needed, ingredients used, and how the product looks at various stages—including sensory taste testing of the final product!
OD72	The Science Behind Firefighting	Firefighter	What are the challenges of firefighting and how can my school classes help me within this career? We will take a look at the physical laws of science and how it applies to everyday operations within the fire service. Learn how math, science and more can save lives and their important role in dealing with a burning building.
OD35	There Is Science In My Make-up	Chemist/Engineer	Learn the chemistry behind what makes cosmetics look, smell, and feel good. Then make your own lip gloss, bath salts and shower gel to take home with you!
OD82	Vision Therapy	Optometry	Nearly all humans are born with the potential for good eyesight, but vision – the ability to identify, interpret and understand what is seen – is learned and developed, starting at birth. Learn about optometry and how vision therapy trains the entire visual system which includes eyes, brain and body.
OD57	We Build This City: Design Like an Architect	Architect	Working in a team and using various design tools, such as sketching, model making and writing, you will design a city community center. The site, size and building needs will be established by your “client”. It will be up to your team to respond to these needs in a creative and inspiring way! Let's build!
OD94	When All Else Fails, Read the Instructions	Technical Writer	In a complex world, precise instructions save time and make products easier to use. Creating instructions takes collaboration from the entire development team. Our presentation will demonstrate how it's done!
OD100	Wild Card		Workshop sessions are sometimes added to the conference after registration materials are posted. If you like surprises, request this session number on your registration form! Possibilities include pharmacist, banker/finance, computer programmer/coder, or other exciting STEM careers!