



STUDENT REGISTRATION FORM

Women Can Do
Thursday, October 17, 2019
Vermont Technical College, Randolph Center, VT

- The conference is open to female and gender non-conforming students in grades 9-12 and their chaperones.
- VWW must receive **signed parent/guardian forms scanned and emailed or postmarked no later than 10/04/19**; students must return completed forms to their school **before that date**.

Name: _____

Grade: _____ DOB: _____ What high school do you attend? _____

Are you enrolled in a career/technical center? ___ Yes ___ No

If yes, which career/technical center do you attend? _____

Parent/Guardian Printed Name: _____

Parent/Guardian Emergency Phone #: _____

Parent/Guardian Email: _____

Women Can Do is a partnership with Vermont Technical College. As part of this conference, Vermont Technical College would like to send you program and enrollment information. Please check here if you do NOT wish to receive this information.

Please list 5 workshop choices.

- See printed list of workshops or find it online at: vtworksforwomen.org/wcdregistration.
- You will be assigned to TWO workshops and the Action Expo. PLEASE NOTE: some workshops are double sessions. If you choose one of these, you will only attend one workshop and the Action Expo.

1. _____
2. _____
3. _____
4. _____
5. _____

Return this form to your school coordinator along with the **signed Parent/Guardian Permission and Release Form** (on reverse side or attached to this form). We must have **both forms** completed to register you for the conference.

SCHOOL REGISTRATION DEADLINE: **October 4, 2019**

REGISTRATION FEE: **\$25 per person**

Registrations are processed on a first-come, first-served basis. Participants may be turned away due to lack of space.

Workshops take place both inside and outside, so please dress appropriately, including:

- Warm, protective footwear, preferably boots
- Layers for warm or cold conditions
- A jacket that protects you from cold, rain and wind



WOMEN CAN DO PARENT/GUARDIAN PERMISSION & RELEASE FORM

Vermont Works for Women (VWW) and Vermont Technical College (Vermont Tech) are pleased that your child/ward will be attending the Women Can Do! Conference on October 17, 2019 at Vermont Tech. This is an exciting opportunity for hands-on experiences with science, technology, engineering, math (STEM) and the skilled trades. Throughout the conference, safety will be our first priority. Participants will receive thorough instruction in the safe use of all materials and equipment. Please be aware that activities may involve hands-on use of power tools, welding equipment, climbing a fire truck ladder, and other activities that carry inherent risks. We therefore ask that you review the workshop descriptions thoroughly. Vermont Works for Women will not individually monitor each student. If there are any activities your child/ward does NOT have your permission to attend, it is your responsibility to notify your child's school or school chaperone. Chaperones will be responsible for monitoring individual student participation. If you have questions about a particular workshop offering, please call 802-655-8900 x104 or email womencando@vtworksforwomen.org. Workshop descriptions are available at vtworksforwomen.org/wcdregistration.

- I have reviewed the workshop descriptions, and I am aware that my child/ward will be trying various tools and equipment at supervised stations at the Action Expo.
- Vermont Works for Women and Vermont Technical College have permission to use my child's/ward's photographic image (video and still) for publicity purposes.
- I understand that the workshop and Action Expo instructors and VWW staff reserve the right to deny participation to anyone whom they judge to be an undue risk to themselves or others.
- I understand that the Women Can Do! Conference is a smoke-free event. I understand that my child/ward will not be allowed to smoke at or around conference activities, and I will communicate this to her prior to the conference.
- I, for myself, my family members, my heirs, my assigns, and any other person acting on my behalf, hereby release and forever discharge Vermont Works for Women, its employees, volunteers, directors, and agents from any and all liability, action, cause of action, and claim or for any injury, loss, or damage that may arise out of my participation in Vermont Works for Women programs. This release specifically includes, but is not limited to, any claim for negligence or gross negligence by Vermont Works for Women, its employees, volunteers, directors, or agents.
- I agree to indemnify and hold harmless Vermont Works for Women, its employees, volunteers, directors, and agents from any and all liability, costs, expenses, or damages, including the costs of defense, attorney's fees, and expenses in connection with my participation in the program, as well as all costs or attorney's fees incurred to enforce this agreement.
- I agree that any dispute that may arise under this agreement shall be brought only in Vermont and shall be governed by and construed under the laws of the State of Vermont. If any portion of this agreement is found to be illegal, void, unenforceable, or against public policy, the remaining portions of the agreement shall not be affected and shall remain in full force and effect to the fullest extent permissible by law.

I have read the above information and give my permission for my child/ward _____
(print student's full name) to attend the Women Can Do! Conference on October 17, 2019 at Vermont Technical College.

- Does your child/ward have any special needs that require accommodations in order to participate fully and safely in the conference? ___ yes ___ no
If yes:
 - Is this something your child's school provides accommodations for on field trips? ___ yes ___ no
 - Please provide any other information that may be helpful for us to know in order to support your child.

Signature of Parent or Guardian

Date



WOMEN CAN DO WORKSHOP DESCRIPTIONS

*Indicates this is a **DOUBLE SESSION**. If a student selects a **DOUBLE SESSION** (e.g. Hello Cows!, Women in Film, and Are You Farmer's Market Ready? workshops) it will be the only workshop they attend for the day.

ARCHITECTURE, ENGINEERING AND MANUFACTURING

- **LEGO MANUFACTURING - Chris Kiegle, GlobalFoundries** Experience the manufacturing process in a fun and interactive Lego-based activity, with engineers from GlobalFoundries, the local chip maker in Essex Jct, Vermont. This workshop will introduce you to the challenges encountered and skills required in creating an efficient chip manufacturing process. We will emphasize STEM skills and create solutions -- all while playing with Legos!
- **SIMPLE MOTORS & CIRCUITS: TODAY'S TECHNOLOGICAL BUILDING BLOCKS -- Sara Lestage, IBM Systems** Learn how to create simple circuits with pipe cleaners, small batteries and diodes - the basic parts of every cell phone, laptop or other electronics we use all and every day. If some simple circuit rules are followed, they can be any shape and color so creative types are encouraged! We'll also build a very simple motor showing the basic concept of how every vehicle we ride in every day works. We'll even work on putting the two together!
- **THE MARSHMALLOW CHALLENGE – Missa Aloisi, Hinge, Inc.** This exercise is used to teach and develop individuals in the attributes of collaboration, innovation and creativity. The Marshmallow Challenge reminds us that in order for a project to be a success, we need to identify the assumptions we are making in the project and test these early on and often.
- **WHAT IN THE WORLD IS LANDSCAPE ARCHITECTURE? – Sophie Suavé, Dubois & King** Everyone knows what (building) architects do, but come find out what landscape architects do – from designing Grandma's garden to determining the look and feel of a streetscape. If you are looking to combine skills in both the arts and sciences, to impact accessibility in public space, or to build resiliency facing climate change, then come learn how landscape architecture tackles this challenges. In this workshop, you will learn to look at outdoor space, identify relationships between the built and natural world and how to graphically express your ideas while problem solving.
- **#WOMENCANDOARCHITECTURE – Devin Bushey, et al., E4H Environments for Health Architecture** Our workshop will engage attendees in a mini design charrette. We will offer a quick synopsis of an architectural design problem and challenge them to solve it. Students will be given a preliminary floor plan, design problem outlines, and access to our 2D & 3D design software. Final solutions will be viewed in 3D through our VR (virtual reality) set up.

COMPUTERS AND COMMUNICATIONS

- **CODING BASICS: VIDEO GAME DESIGN – Devin McCormick, Malina Kirn, Dealer.com** Learn how to code, edit, and personalize your own simple video game, and learn the basics of software engineering.
- **SOFTWARE DREAM TEAM – Sarah Karandy, Inntopia** Interested in a software career? Come learn about the hottest, fastest, and most widely practiced software development process: AGILE. Students will try out real-life roles on an agile software team such as developers, quality assurance, scrum masters, and product owners! You will use crafts and fun projects to create a product for your customer and take it through the development process. And you'll learn some of the most current industry lingo,



too! This workshop will introduce you to multiple career pathways and options in software development.

- **WEB DESIGN: LOOK INTO MY CRYSTAL BALL – Roseanne Nelson, Darcy Rothman, Harpreet Dheer-Dixon, VSAC** Sometimes web design is like looking into a crystal ball to determine what the end user is looking for. There are a number of facts to be aware of to successfully implement a web page that meets the end user's expectations. You will learn some common mistakes and skills needed to be a successful web developer.
- **WOMEN IN FILM: BE IN YOUR OWN MUSICAL!* – Bess O'Brien, Kingdom County Productions** Learn about theater production and breaking into the film industry from filmmaker Bess O'Brien. Students participating in this workshop will also learn the art of storytelling by sharing your own personal stories for the Listen Up Project: a real, original musical based on the lives of VT teens, touring Vermont in fall 2020!

CONSTRUCTION AND TRANSPORTATION

- **DIGGING IN THE DIRT – Tammy Ellis, Trevor Starr, VT Agency of Transportation** Come and experience the world of transportation maintenance with us. We will offer the opportunity for participants to experience several different types of construction equipment from the operator's seat. Excavation equipment will be used in a real world practical application, "digging in the dirt". Participants can also experience the operation of a front end loader and road grader in a controlled parking lot setting with experienced mentors. We will also have several other popular pieces of equipment on display. Climb aboard, take the controls, and learn how to maneuver heavy equipment!
- **CITY PLANNING: STREETS & ROADS – Michele Boomhower, Dr. Emily Parkany, VT Agency of Transportation** Join Transportation Professionals for an introduction to transportation policy, planning, and practice. We'll focus on one aspect of the planning profession - allocating road space. Come learn how to design streets and roads to meet community goals and needs!
- **EXPLORING CAREERS IN CONSTRUCTION – Jennifer Landon, Associated Builders & Contractors NH/VT** Construction is more than swinging a hammer! In this workshop, you'll play a couple games and learn about the vast amount of high-paying career opportunities in this STEM industry. Come learn how you can build your career in construction!
- **INSPECTION QUEENS – Rose Buckley, Jess Kehler, US Inspect** Women in real estate is nothing new, female realtors are quite common, however a female HOME INSPECTOR? Well, that raises some eyebrows!!! While not a common career for women, more and more women are entering the field and making lucrative careers in the home inspection industry. Meet one such inspector from Maryland, Rose Buckley, and get your hands on some tools of the trade. You will conduct activities of a real home inspection, and learn what impact women are having in the inspection world, and how you can become a part of it!

LAW ENFORCEMENT & PUBLIC SAFETY

- **CRIME SCENE INVESTIGATION – Jennifer Harlow, Jennifer Barrett, Orleans County Special Investigations/State's Attorney** Test your powers of logic and deduction to assess a crime scene and determine which items should be photographed and collected as evidence. Learn from police detectives what it is really like to be a crime scene investigator and what it takes to become one.



- **FISHY CSI– Jenna Reed, Cassidy Shaw, Sean Fowler, Vermont Fish and Wildlife** Join Vermont Fish and Wildlife Game Wardens and Fisheries Biologists. Learn about being a warden and how to conduct investigations to determine whether a person has committed a crime. Then help the Fish health biologist perform a fish necropsy to collect samples and test for the presence of bacteria, viruses and parasites. After all information is collected help determine the cause of a fish die off, was it natural causes, a fish disease or human pollution.
- **WHY I WEAR THE BADGE – Gail Lund-Rowell, Chief Loretta Stalnaker, Orange County Sheriff/Royalton Police** Law enforcement is a job with serious responsibilities and the rewards of making a positive difference in your community. Check out the equipment police officers use, participate in a mock traffic stop activity, and investigate whether a career in policing might be a good match for your talents and interests.

MEDICINE & HEALTH

- **REAL LIFE HEROES: RESPIRATORY THERAPISTS – Faye Tolar, Tracy McGuinness, Vermont Tech College** Delivery of effective respiratory care by respiratory therapists requires a deep understanding of the pathophysiology of the lungs, heart, vascular system, and kidneys. During the hands-on session, participants will perform arterial puncture on an arm manikin, manually ventilate artificial lungs with a manual resuscitator, experience chest physical therapy with an airway clearance procedure, intubate an airway manikin, and measure simple spirometry, while learning the essential functions of respiratory therapists!
- **THERE’S A HEALTH CAREER FOR EVERYONE – Carlinne DeLima, Eleanor Thomas, VT AHEC** Did you know there are over 350 careers in healthcare?! If you are interested in health and medicine, this workshop is for you! Learn more about the many options in health care and learn skills that are used in a clinical environment. Students will get hands on experience in taking vital signs and engage in activities related to infection control!

PROFESSIONAL & LIFE SKILLS

- **MAKING SENSE OF YOUR DOLLARS – Rachel Feldman, Marina Haslam, VSECU** We can all flip a coin, but can you make heads or tails of your checkbook? Do you want to learn the secrets to turning your cents into dollars? Then come hang out with Rachel and Marina and get the master key to your independence: control over your own money! When you’re financially independent, you don’t have to depend on anyone but yourself – which is what boss women do. As an added bonus, you’ll get inside tips on how to join the real world on your own terms, and with financial savvy on your side.
- **THE ART OF NEGOTIATION: DON’T LEAVE \$ ON THE TABLE – Lindsey Lathrop, Lindsey Lathrop Coaching** You're not too young to learn to negotiate! Don't leave money on the table! Coach Lindsey asked for her first raise at age 16. The magic: belief that she deserved more. And then she made the ask. You can learn how, too.

SCIENCE & NATURAL RESOURCES

- **CAREERS IN WATER QUALITY: MORE THAN JUST TAPS & TINKLES – Liz Royer, Diana Butler, VT Rural Water Association** Where does your drinking water come from? Where does it go when you flush your toilet? The water quality industry provides a wide range of careers in the environmental field. Try out



activities related to water treatment and chemistry, mapping and maintenance of valves and pipes, and finding leaks and illegal discharges!

□ **WHODUNIT? SOLVING BIRD MYSTERIES WITH TECHNOLOGY** – **Katherina Gieder, Amy Alfieri, VT Fish & Wildlife** So you know that whodunit thriller mystery show you simply can't turn away from? Find out how you can turn that into a real life career with this workshop that will unravel the mystery of why a bird species that was doing just fine minding its own business is now suddenly in the fast lane towards extinction. Time is running out and it's up to you to solve the mystery by identifying species, recording data, and decoding what it all means using computer coding.

□ **HELLO, COWS!*** – **Liz Kenton, Kim Crowe, Dairy Farm Students, Vermont Tech College/UVM Extension** Are you a dairy farmer, or might want to be? There's a lot more to cows than milk! VTC Dairy Management students will host a barn tour and discussion including common herd care tasks, breeding, nutrition, and selfies with the calves.

SKILLED TRADES

□ **ARE YOU READY FOR FARMER'S MARKET?*** – **Jerry Cassels, Paine Mountain School District** You will be after you complete this workshop! You will use hands-on methods like woodworking, painting and other crafting styles to develop your own handmade product. We will also supply you with strategies on branding your product, promoting, advertising and selling. Remember everyone is an artist!

□ **LIGHT UP YOUR LIFE** – **Danielle Bombardier, IBEW** Your life would be very different if you didn't have electricity, but how much do you know about this powerful energy that surrounds us? Each participant will have access to a tool box where they can explore the hand tools of an electrician. We will also be building a lamp and cord project. You will literally Light up Your Life!

□ **ANOTHER BRICK IN THE WALL** – **Adam Jackson, Artistone of Vermont** Remember the little pig who built its house out of brick? It was the only one to withstand the Big Bad Wolf! Come pick up a trowel, spread mortar, and begin to learn the craft of bricklaying and how to build sturdy structures that could last a lifetime. It could be your new career in a field that is underserved.

□ **BEHIND THE BUILD** – **Tia Garcia, HELM Construction Solutions** Have you ever thought about all of the steps involved to take a building and design idea and transform it to a reality? In this workshop, you will learn about the many steps through the design and build process, from digital drawings to printed blueprints to actual assembly of a high performance wall. You will even get to use tools such as drills and pneumatic staplers to construct a high performance wall assembly. No experience needed!

