The Artisan Report

Preparation • Passion • Perseverance

April 2021

CVTE Principal Report…….

Academy C

In recognition of Women's History Month, Academy C has highlighted notable women in the trade areas represented in our CVTE Academy.

Automotive

Kathrine Blodgett

Do you know how the windows on cars don't have a glare and why aircrafts can take off during the iciest of times? We have Katharine Blodgett to thank for that. Blodgett, the first women physicist/chemist to work for General Electric discovered a way to create an "invisible" glass surface, what we know today as non-reflective windows. Katherine is also credited with developing poison gas absorbents, a method for de-icing aircraft wings, which was instrumental during WWII. She was also the first woman awarded a Ph.D. in Physics from the University of Cambridge.

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Michael P. Watson *Principal*
Robert J. Watt *Principal*

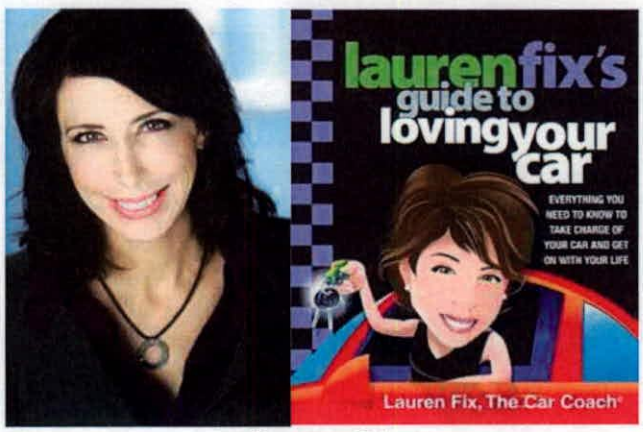
Business Technology

Mary Kay

Probably one of the most significant impressions left upon women's opportunities to succeed in business was from the positive and giving attitude of Mary Kay Ash. Mary Kay entered the world of selling for a company called Stanley Home Products.

Throughout her career, she won numerous awards and upon retirement decided to take the entrepreneurial plunge and build her "dream business". And what a business it was, Mary Kay Cosmetics has gone on to change the lives of millions. Success did not come easy to Mary Kay, her husband died one month before the company launch but her philosophy endured, "If you think you can, you can. And if you think you can't, you're right."

Collision Technology



Lauren Fix

Lauren Fix is an award-winning author of three automotive books, was the National Automotive Correspondent for Time Warner Cable and has appeared on Oprah, TODAY, 20/20, Regis & Kelly, The View, CNBC, CNN, FOX News, HLN and MSNBC, to name a few. Born and raised in Detroit, Lauren is from a family of autobody professionals/mechanics and began working on cars at the age of 10. It wasn't long before she was totally immersed in the car culture, restoring and driving her own beloved rides. Today, Lauren's passion is to educate drivers across America. She is a member of SAE (Society Of Automotive Engineers), a certified ASE (Automotive Service Excellence) technician and an active member of numerous automotive associations.

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Diesel Technology

Laura Schwab is President of Aston Martin in the Americas and has been for nearly five years since she took the position in October 2015.

Laura Schwab

Aston Martin is an English car manufacturer of high-end hand-build luxury cars and a popular export to America. Her role includes overseeing the sales, service, marketing and communications to and with Aston Martin's customers and dealers in North, Central and South America.

Since joining the team, she has made efforts to ensure more women are working in the company, with around 50% of the management staff now female.

Schwab has become a powerful woman in her own right, in addition to her commitment of helping other women climb the ladder to become more successful in the industry as well.

Cosmetology

Sherri Doss has transformed the world of beauty pro education and has made many strides to bring the industry into the twenty-first century. Known for her over-the-top rhinestone glasses and sparkly style, Doss manages to shine wherever she goes.

Sherri Doss

She began her career at 19 as a nail artist and then became a hair stylist at age 23 saying "I see myself as a full-service kind of a gal!" Now, VP of Redken Education Worldwide, Doss travels globally helping salon professionals realize the Redken motto that if they **LEARN BETTER**, they will **EARN BETTER** and ultimately **LIVE BEST.**

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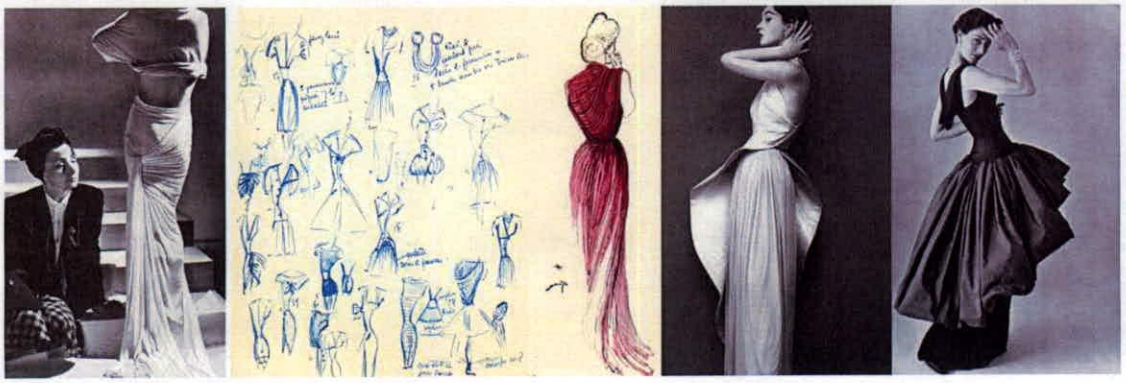
Fashion Design Technology

It is not often that fashion acquires genius but, once in a while, it shows up.

Unadorned in her trademark beige turban and straightforward manner of dress, Madame Grès became elusive except to the commitment she held to the art form she adored — the couture.

Madame Grès, or simply Grès as she would be known, experimented with fabric and form to achieve perfection. A trained sculptor, her approach informed mathematical agility to designing with fabric. She was not known to use a pattern to create, nor toiles (muslins), and she minimized needle and thread use because, as she often stated, she had no other choice. "From the beginning…I didn't have the knowledge. I took the material and worked directly on it. I used the knowledge I had, which was sculpture,"



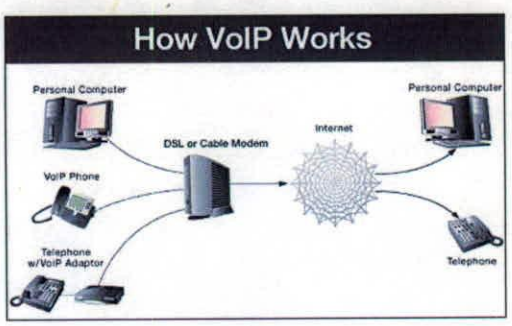
Madame Grès

Appreciation for Grès' work has allowed her most essential pieces to be preserved by time, allowing her commitment to the couture she loved and her legacy to stay alive.

Information Technology

In 2013, Marian Croak an African American was inducted into Women in Technology International's hall of fame, a move that recognizes her remarkable achievements in tech. Croak holds over 135 patents, primarily in voice-over Internet protocol (VoIP), some in other areas. She has another 100 patents currently under review.

Marian Croak



Today, Marian is a Sr. VP at AT&T, serves as a mentor for women in AT&T labs, and sits on the board for the Holocaust, Genocide and Human Rights Education Center.

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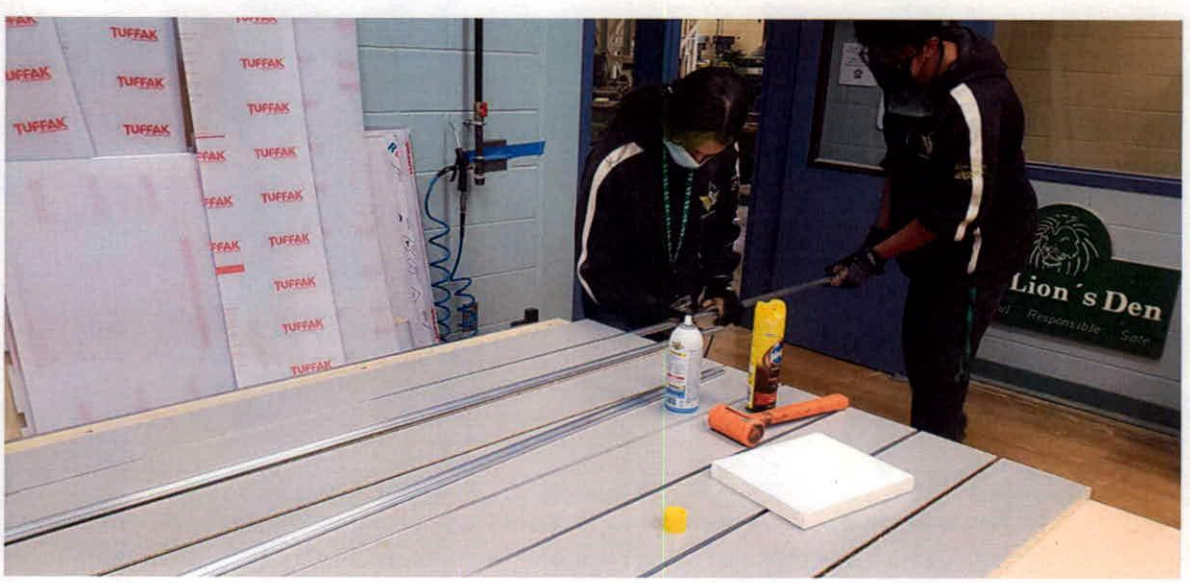
Community Outreach, Carpentry, Marine, HVAC

HVAC students are using old firehoses to create hose figures that will be used by Legal and Protective students as part of their rescue training.

Carpentry seniors used the CNC machine to create the panels for the walls in the Den, which is located in the main foyer. The panels were designed with grooves that will support shelving in the new school store.



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On March 25th the Off-Campus Construction students completed Phase 2 of the Artisan Imprint Medallion installation. Students installed the medallions at the Gulf Hill Bucket, the Dartmouth Grange, the Andre McCoy Center, and the New Bedford DPI. It was great that the students were able to be part of such a meaningful day for our school as their actions honored past graduates and the strong ties the school has with the community.

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Academy A

Environmental Engineering

The Environmental Engineering junior and senior students are working towards completing a HAZWOPER 24-hour introduction training course. HAZWOPER is required for employees visiting an Uncontrolled Hazardous Waste Operation mandated by the Government.

This course covers broad issues pertaining to the hazard recognition at work sites. OSHA has developed the HAZWOPER program to protect the workers working at hazardous sites and devised extensive regulations to ensure their safety and health. This course, while identifying different types of hazards, also suggests possible precautions and protective measures to reduce or eliminate hazards at the work place.

At the conclusion of this course, the students will be able to:

- Understand the purpose of OSHA and its role in regulating occupational safety
- Use Site Characterization to establish problems that may exist in your workplace and measures that can be implemented to eliminate hazards
- Identify hazardous materials existent in the workplace and the possible methods, symptoms and preventative measures of exposure
- Encourage the use of Material Safety Data sheets (MSDS) to identify and properly handle hazardous materials
- Familiarize yourself with materials, compounds and mixtures that may present flammable, explosive, chemical or radiological hazards
- Emphasize the importance of personal protective equipment in limiting hazardous exposure
- Establish an effective Site Control Program to limit the risk of exposure to only those working in the hazardous work zone
- Implement procedures for treating workers in the event of hazardous exposure

Course outline

- Agencies & Regulations
- Toxicology
- Types of Hazards
- Hazard Communication
- Levels of Protection
- Respirators
- Detecting Hazardous Materials
- Hazardous Waste
- Confined Spaces
- Fall Protection
- Decontamination
- Site Safety Planning
- Site Emergencies

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Cooperative Education

We currently have one hundred seven students working for cooperative education employers with several students awaiting to begin their new Co-op positions. A few of our Junior students, with CVTE instructor's endorsement, have started working with cooperative education employers. Employers from industries that have been shut down due to Covid-19 are beginning to call looking for students. Providing students can meet the Co-op requirements we may have many more students participating in the Cooperative Education program.

Work Permits

Students who are going to work, not affiliated with Co-op, and are under 18 years of age, require a work permit. The Youth Work Permit Application has been uploaded to the GNBVT website. The link is: https://www.gnbvt.edu/wp-content/uploads/2021/03/Youth-Work-Permit-Application.pdf. You can find the work permit application by going to the GNBVT website and selecting the Education tab and then going to the Co-op/Placement web page. The application is located at the bottom of the page titled Youth Work Permit Application.

Academic Principal Report.....

Science Department

Our senior Biotechnology teacher has been collaborating with the Legal and Protective Services teachers. Scott Atkinson and Patty Allen have been working together regarding biotechnology equipment and instruction. Mr. Atkinson has been mentoring Ms. Allen on microscope techniques, fingerprint analysis, blood spatter analysis, hair and fiber analysis, and other basic biotechnology skills. The goal is to have the students learn these techniques in their shop and then have them take the Senior Biotechnolgy class as an elective to go more in depth on the science of these techniques.

With the help of Allen Duarte, our grant liaison, the science department has been working on a grant for the Massachusetts Life Science Center. Erin Wallace, Scott Atkinson, Joy Southworth and Mr. Duarte has been working for 2 months on the grant that will help to replace old and worn out biotechnology lab equipment and also allow us to purchase new state of the art equipment for the Biotechnology, Human Body Systems, and Botany classes within the Science Department. We have won this grant back in 2011 and in 2013. The grant recipients will be notified in June of 2021.

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