



BTC NEWSLETTER

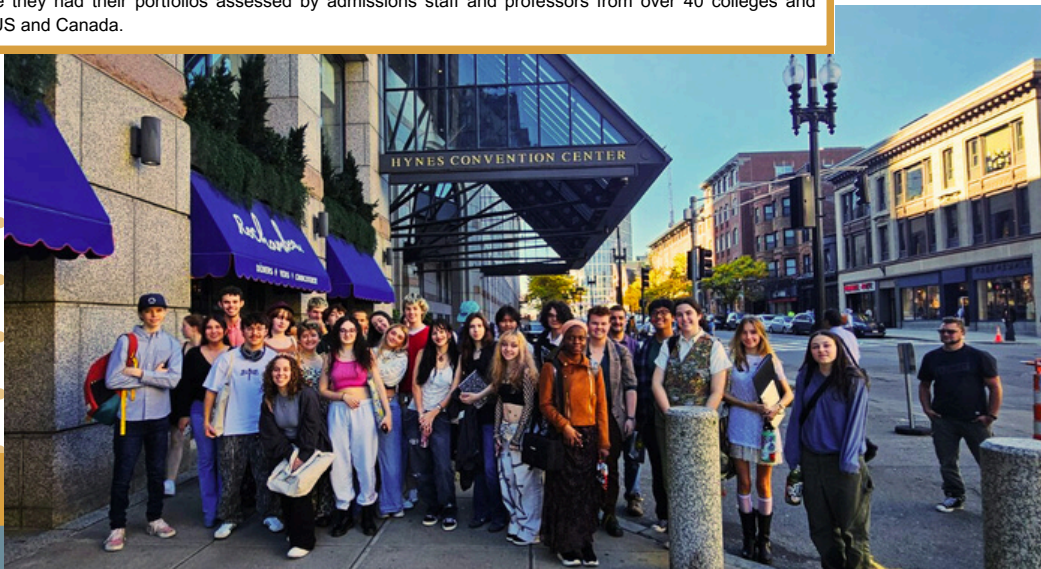
November 2023
Volume 2



A Day in the Life of a Digital Media Lab Teacher Students in Digital Media Lab prepare teacher, Jason Raymond, for his film debut as a scary clown/teacher.



National Portfolio Day in Boston: Students studying Digital Media & Design and Illustration attended National Portfolio Day in Boston, where they had their portfolios assessed by admissions staff and professors from over 40 colleges and universities from the US and Canada.





From the Director:

The end of October signifies the end of our required WorkKeys testing! Students may have reported home about the need to do standardized testing; all career and technical education centers are required to test students in Applied Math, Graphic Literacy, and Workplace Documents.

Students who score 5,6, or 7 on these assessments are considered proficient for our reporting to the Vermont Agency of Education. The Community College of Vermont will recognize 5 or higher as eligibility for dual enrollment courses. The Vermont Association of Career and Technical Education Directors (VACTED) has a data sharing agreement with CCV, and WorkKeys, to make the process of sharing student scores as efficient as possible.

Students who score 5 or higher on all 3 WorkKeys tests will earn a National Career Readiness Certificate (NCRC). CCV will recognize the certificate and award elective college credit if a student enrolls at CCV after high school.

Standardized testing isn't the most exciting topic, but it's an important part of our work. In the rest of the newsletter, you can read about the more exciting aspects of deep learning happening at BTC.

Happy November!

BTC Students and Families

Our BTC school counselor, James Yopez, is offering an evening presentation on the college decision-making process. James will offer some key strategies for finding the right collegiate fit and show you some free online resources and tools that will help you navigate this process. You'll explore data that will dispel some myths and answer questions such as:

- How many colleges can you choose from?
- How hard is it to get in?
- What parts of my application are most important?
- How much do students and families really pay?
- How much does your choice of major actually matter?
- And much more!

The presentation will be most beneficial to high school juniors who are likely to be right in the middle of their college exploration process; though seniors are likely to also find some important strategies if they're just getting started or need help making their final decision. It will also be beneficial for parents, guardians, or other adults who are helping students navigate this process.

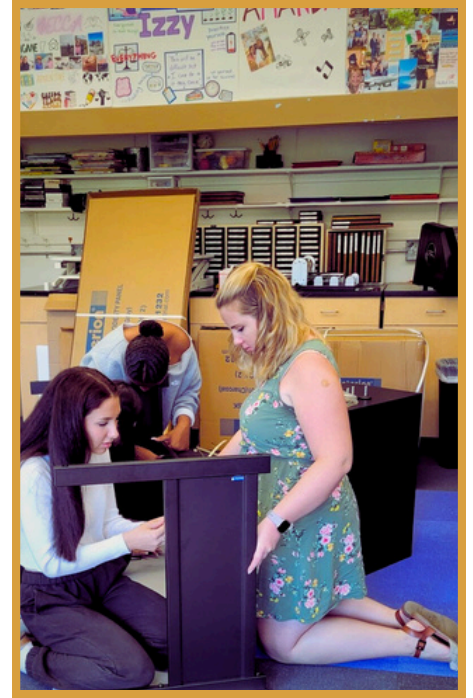
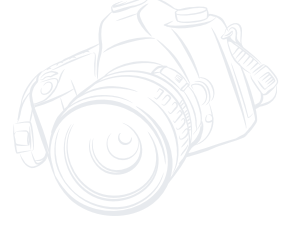
This presentation will be offered in-person on November 8th and as an online meeting the 9th. Families are welcome to participate in whichever format works best for their schedule. All participants will be provided access to an electronic version of the presentation which contains links to web resources and online tools.

In-person session: Wednesday, November 8th; 6:00 - 7:00 PM @ 4095 Williston Rd, South Burlington (BTC auto program building).

Online session: Thursday, November 9th; 6:00 - 7:00 PM - Please RSVP and the meeting link will be provided as the event nears.

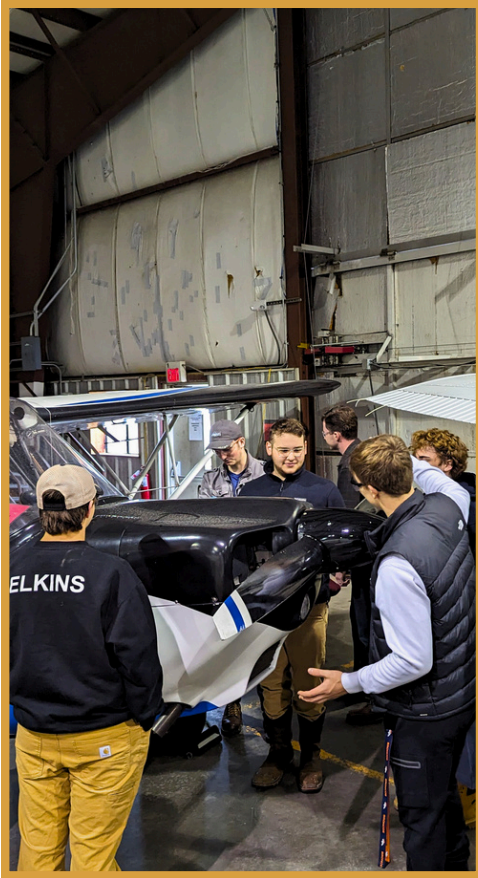
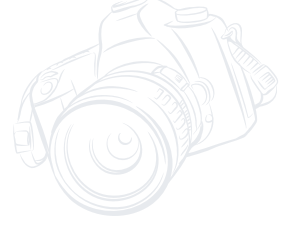
Please RSVP for one of the sessions at this [link](#). If you are unable to attend either of these sessions, you may also use the RSVP form to request an individual meeting. Questions can be emailed directly to jyopez@bsdvt.org.

PROGRAM SNAPSHOTS



Students in Education, Training, and Leadership were busy in October as they participated in Anti-Bias training, visited with educators in the district, attended the EdRising Conference in Norwich, and completed a "Nailed-It" MRE challenge during a visit to Vermont Air National Guard.

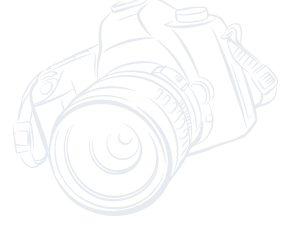
PROGRAM SNAPSHOTS



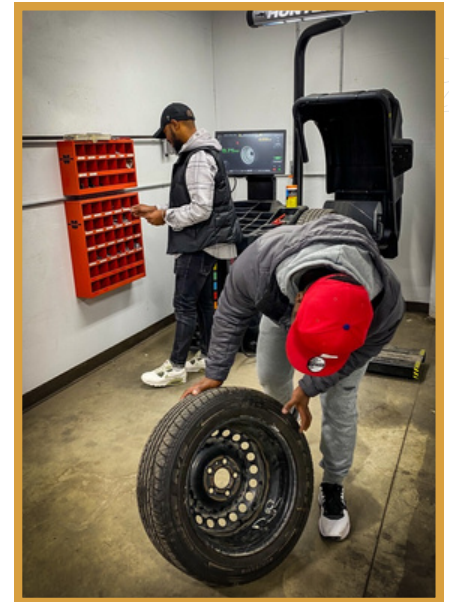
Students in the Aerospace and Aviation Technology program visited Vermont Flight Academy to assess the impact of a hard landing to a VFA Cessna. They also visited the BTC hanger which houses the post-secondary aviation program to receive hands-on training and instruction on BTC's Hughes OH-6 helicopter.



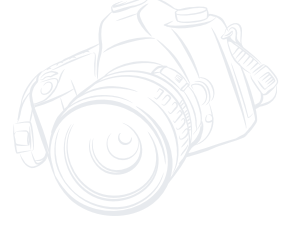
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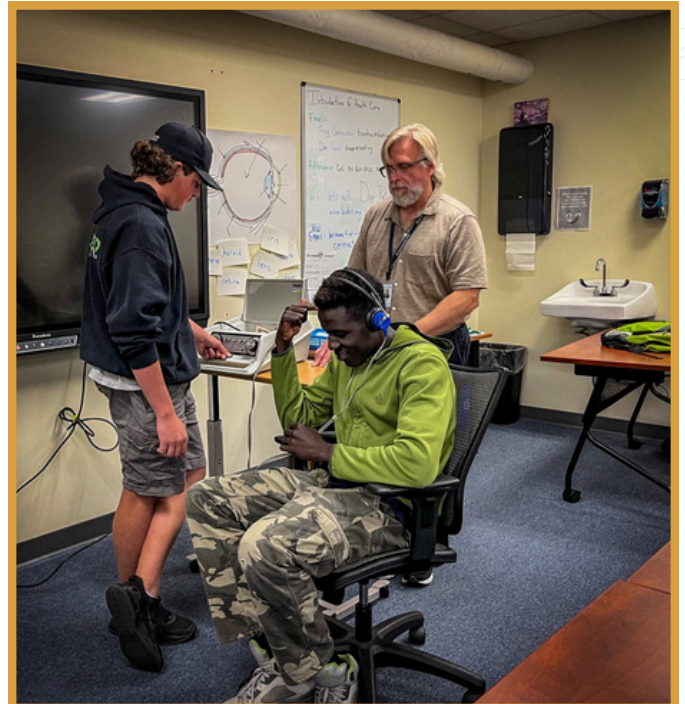
In October, students in Automotive Science Technology practiced important maintenance and repair skills while learning how to operate a car lift, diagnose a serpentine belt issue, and change and balance tires.



PROGRAM SNAPSHOTS



Students in Introduction to Healthcare apply deeper learning strategies by testing blood, screening hearing and vision, simulating Parkinson's disease, and dissecting a cow eyeball.



FEATURED FACULTY



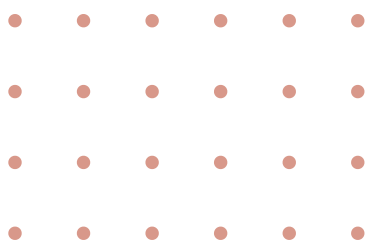
JASON COOPER

*Aviation & Aerospace Technology-
FAA General*

Aviation & Aeronautics teacher Jason Cooper likes to start each day by asking if anyone has tried something new. From troubleshooting home projects to trying out new recipes, he loves to hear about the ways that his students are taking on new challenges, and hopes that sharing these stories will lead their classmates to feel encouraged and inspired. In this way, and so many others, Jason is committed to creating a supportive and invigorating learning environment for his students to learn and grow.

Jason loves teaching, and especially enjoys the Aircraft Components unit and the Electrical unit. "The electrical unit is always fun for me because I really get into the theory, the calculations and seeing that (pardon the pun) light bulb moment when a student starts to understand something they thought they would never get."

To learn more about Aviation & Aerospace Technology, [visit the program page on BTC's website linked here.](#)



MOSES DALY

*Aviation & Aerospace Technology-
FAA Airframe & Powerplant*

Moses Daly is the Aviation Director and FAA Airframe & Powerplant teacher, and his program prepares adult students to become FAA certified aircraft mechanics, following completion of the FAA General program taught by Jason Cooper. This unique program is challenging, but for motivated students, the sky's the limit, with endless and rewarding career opportunities.

In his program, Moses hopes students feel excited to be learning a meaningful new skill that most people don't know how to do. One of his favorite parts of the curriculum is teaching students how to do sheet metal work. So far, the most rewarding part of the school year was a visit from a former student who completed the program, received their FAA aircraft mechanic license, and is now loving their new career in aviation.

For more information about the Post-Secondary Aviation program, visit the [program page on BTC's website here.](#)



INDUSTRY RECOGNIZED CREDENTIAL (IRC)

The **FAA Airframe and Powerplant (A&P) Certification**, issued by the Federal Aviation Administration, signifies an individual's proficiency in aircraft maintenance. It comprises two segments: Airframe, covering structural components, and Powerplant, addressing engines and related systems. A&P-certified mechanics are authorized to maintain, inspect, and repair aircraft, ensuring aviation safety and compliance.

WORK-BASED LEARNING



First year students in the Aviation Technology program visit VT flight Academy in South Burlington. There, they talked with an Airframe & Powerplant mechanic about the business, what he does, job opportunities, and then they let them check out the planes they maintain.



First year students in the Homeland Security and Criminal Justice program visited the Grand Isle Sheriff's Department to train in speed enforcement, traffic stops, and use of force. The students and officers had discussions about increasing diversity in the department, and the officers were impressed with the students' professionalism and enthusiasm to be the next generation of law enforcement and public safety.



WHAT IS WORK-BASED LEARNING (WBL)?

Work-based learning in Career and Technical Education (CTE) offers students practical experience, often in real workplace settings. It equips them with job-ready skills, enhancing their employability. This approach combines classroom instruction with hands-on training, ensuring a well-rounded education that prepares students for future careers effectively.

ADULT & CONTINUING ED



In the Airframe & Powerplant certification program, adult students engage in the disassembly of a Cessna aircraft from Vermont Flight Academy that experienced a hard landing and prop strike. Despite the nose gear's damage, the students successfully salvaged the remaining components for resale.

These students benefit from a unique learning environment situated at Burlington International Airport, where they are surrounded by leaders in the aviation industry, including Heritage and BETA. Upon program completion and successful certification, they gain access to further educational opportunities through our partnership with Vermont State University. Interested students have the potential to earn almost 43 credit hours for their program work and expedite the completion of an AAS in Aviation Maintenance Technology in as little as one semester.

IMPORTANT DATES & EVENTS

November 1

- Health Sciences Academy Clinical Shadows

November 2

- Health Sciences Academy Clinical Shadows
- Intro to Health Care to UVM Medical Center for tour
- Health Science Academy Fall Program Advisory Board Meeting

November 3

- Homeland Security/Criminal Justice to Champlain College Cybersecurity Summit
- Quarter 1 Ends

November 6

- Victim's Advocate Lauren Monaco from Burlington Community Justice Center to speak at Homeland Security/Criminal Justice

November 7

- Health Science Academy Clinical Shadows
- Northeast Emergency Training Solutions Emergency Medical Technician training @ Health Sciences Academy

November 8

- Health Science Academy Clinical Shadows
- Northeast Emergency Training Solutions Emergency Medical Technician training @ Health Sciences Academy
- BTC Counselor in-person presentation on navigating college

November 9

- Intro to Health Care to tour UVM Medical Center
- Homeland Security/Criminal Justice to Vermont State Forensic Lab
- BTC @ the Boys & Girls Club College Fair
- BTC Counselor virtual presentation on navigating college

November 10

- Design, Engineering, and Fabrication to Champlain Cable

November 13

- Alex Gemme from Treeline Terrains to speak at Design, Engineering, and Fabrication

November 14

- Health Sciences Academy Clinical Shadows
- Heather Holler, a freelance motorsport mechanic, to speak at Auto Body and Auto Tech

November 15

- Health Science Academy Clinical Shadows

November 16

- Intro to Healthcare to UVM Medical Center for tour
- Health Science Academy Clinical Shadows

November 17

- Health Science Academy Clinical Shadows
- Northeast Emergency Training Solutions Emergency Medical Technician training @ Health Sciences Academy

November 19

- Digital Media Lab to WPTZ and WNNE for tour
- Health Science Academy clinical shadows

November 20-24

- NO SCHOOL- Thanksgiving Break

November 28

- Amy Czohanich from Burlington Police Department to Homeland Security/Criminal Justice

November 29

- Health Sciences Academy Clinical Shadows

November 30

- Health Sciences Academy Clinical Shadows