On Wednesday, February 7, Work Preservation and NEIEP were afforded the opportunity to showcase the best of elevator education during Ohio Elevator Safety Day at the Statehouse in Columbus. State Senators, Representatives, and staff from the Ohio Department of Commerce Division of Industrial Compliance (the agency that oversees state elevator inspectors) attended the exhibit of NEIEP’s virtual and hands-on training tools. The EIWPF is promoting elevator safety legislation in Ohio, and education and training are key components of the Elevator Safety Bill making its way through the General Assembly this spring.

Staff from the EIWPF and NEIEP met with over twenty-five state legislators who were impressed with our apprentice training as well as the quantity and quality of continuing education available to IUEC members. NEIEP’s code courses were displayed on a projection screen for maximum visual effect, as these offerings are the focus of license renewal efforts in other states and provide a prime example of the type of program that could be implemented in Ohio. Attendees seemed to understand that there would be minimal cost since NEIEP handles the licensing process from our website, and they were pleased to see that the state would have a measure of autonomy with the requirements for renewal. Both the legislators and the staff from the Department of Commerce agreed that code-specific training in particular is an integral part of a quality licensing program.

The folks from the Division of Industrial Compliance, including the Superintendent and Chief Elevator Inspector, spent the most time at the exhibit and were amazed by the learning tools on display. They were energized by the prospect of bringing this important aspect of training to the state of Ohio and took the time to engage with NEIEP staff, asking questions and trying out the labs and courses to get a better sense of how comprehensive education can enhance elevator safety. These individuals will be at the center of decision-making in how the licensing program will be developed, and they were grateful for the opportunity to understand the
process and expressed hope that our elevator educators can be consulted on best practices for initiating their licensing program as they move forward.

NEIEP and Work Preservation staff were invited into the Senate Chamber as the Safety Bill was explained on the Senate Floor. Overall, our message for the legislators and decision makers was well-received. The EIWPF and NEIEP set out to affirm that becoming an elevator mechanic is a complex, sophisticated endeavor fraught with potential danger, which can be mitigated with proper training on fundamentals as well as quality continuing education that ensures responsible and informed work habits by industry professionals. Through collaboration, Work Preservation and your education program can help ensure that safety is the focus of elevator work across the country. It is fitting that the organizations have teamed up to shed light on the importance of elevator safety as Ohio looks to make education a cornerstone of this vital legislation.

**NEIEP AND EIWPF TEAM UP FOR OHIO ELEVATOR SAFETY DAY (continued)**

Two sessions of NEIEP’s online Instructor Professional Development (IPD) course launched on February 26 and will run through May 6. The participants are challenged to come together in a digital environment to facilitate advanced instructional learning and to develop a sense of community among their fellow veteran instructors.

The course is a mixture of discussion, self-reflection, and exploration based on various videos, podcasts, and readings presented each week. This results in a highly engaging learning environment that the instructors themselves create with the assistance of course facilitators.

Participants critically examine the elements of good teaching in order to apply them to their classrooms. They are directed to discover planning strategies to develop or improve a lesson and to familiarize themselves with proven best practices for facilitating courses. The exploration culminates with each participant preparing his or her own instructional action plan.

Instructors who have completed the Advanced Train the Trainer Course (ATTC) are eligible to enroll in IPD. The course is considered the capstone experience for the Advanced Certificate in Classroom Instruction from NEIEP’s Instructor Training Institute (NITI), offered in partnership with RWU. While both spring sessions are fully enrolled and well underway, additional sessions of IPD will be offered in the fall, with specific dates to be determined. Eligible instructors will see an invitation to pre-register for a session about a month before course start dates. If you’d like more information on the course, or to preview a syllabus, please send an email to jhenson@neiep.org with the subject line, “IPD inquiry.”

Apprentices who are eligible for a NEIEP Student Laptop receive one from NEIEP at no charge. To be eligible, an apprentice must currently be registered in a Required Apprenticeship Course and have at least three RC Courses remaining to complete. If an apprentice is ineligible to receive a laptop, or if the laptop they were issued was destroyed or lost, the apprentice may purchase a Student Laptop through NEIEP. The Student Laptop may also

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**INSTRUCTOR PROFESSIONAL DEVELOPMENT COURSE UNDERWAY**

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**STUDENT LAPTOPS CAN NOW BE PURCHASED ONLINE**

Eligible individuals looking to purchase a new laptop can now do so by filling out a form on our website. These laptops are not tied to apprenticeship and can be purchased at any time for any reason. When submitting this form, you authorize NEIEP to share your information with our business partners. To access this form, please follow these steps:

- Log in at neiep.org and click on the Help Tab.
- Click on the Student Laptops Tab.
- Click on the ‘Purchase a new Student Laptop’ Link.
- Confirm that your records are correct, or make any needed changes to your information.
- Submit the form.

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continued on page 4
When is a book no longer just a book? The answer, in this case, lies literally between the lines. With Adobe Acrobat technology, apprentices can experience a fuller, multimedia immersion into the NEIEP course content on the same page as the text.

Apprentices in NEIEP’s RC100 Trade Skills course benefit from the newly-revised curriculum launched this past fall, which includes the use of multimedia PDFs available on their laptops through a secure Student Support Material application. Many of these PDFs display videos from our SAFE Series, produced in-house by Video Manager Jeffrey Gordon, directly in the flow of the text to teach safety on the job. Students no longer need to open a different computer program to watch videos or animation related to the curriculum. Scan the QR Code at right or visit the link to view the LOTO video.

As part of the continuing evolution of the program to integrate the best of contemporary technology into our curriculum delivery, NEIEP has gone digital with our textbooks for the eight semesters of apprenticeship. This move has worked well in tandem with the advent of laptop computers for apprentices and provides them with a multitude of tools to interact digitally with course content. Knowing the possibilities of this medium, a program goal of integrating a rich variety of multimedia content directly into the manuals quickly came into view. The SAFE Series videos in RC100 are just the beginning of fulfilling our goals. As curriculum revision continues, with RC200 (Hoistway Structures) and RC300 (Electrical Fundamentals) up next, apprentices in future semesters will encounter both video as well as animation to bring to life practices and concepts that typically would be represented with static visuals in a traditional printed book. For instance, the new RC200 PDFs will include videos detailing best practices for working with different saws, reeving splices, snapping a line, and more. RC200 will also include animations exhibiting the proper use of levels, the use of rollers to move an elevator machine, and proper practice for working with ropes and shackles, just to name a few.

RC300 will include several animations that bring to life the sometimes-abstract concepts of electrical fundamentals. These concepts are animated in-house at NEIEP HQ by Instructional Designer Dmitriy Buchman, working with subject matter experts to visualize such hard-to-grasp ideas as coulombs as a measure of current, shell capacity, electron current flow, the movement of charged objects and many more. Pursuing this vision to replace, where appropriate, static line art drawings with dynamic 3D animation, Dmitriy selected 3D Studio Max with the V-Ray plugin as the best software to get the job done. With the software selected, the next hurdle was realizing enough processing power to make the rendering of each animation as efficient as possible. Working with the tremendous team of IT professionals at NEIEP, Dmitriy constructed a “render farm” by re-purposing old desktop computers to handle the creation of each animation. A render farm is a set of individual computers all working together to handle the complex calculations that result in a final animation product. The results are impressive. Scan the QR Code at right or follow the link to view an animation of coulombs as a measure of current.

As we move forward with the revision of the later semesters in the apprenticeship program, NEIEP will look for every opportunity to incorporate more multimedia experiences directly in the textbooks for the courses. A book is now more than a book: it’s the chance for students to experience ideas and best practices in ways that bolster their learning like never before.
be purchased by any eligible individual through this portal, whether or not they are an apprentice.

Note: Submitting this form does not purchase a laptop; it simply sends a request for a quote for a laptop that matches the minimum operating specs of a NEIEP Student Laptop. Purchasing the machine after you see the quote is entirely optional.

If you have any questions, please email nieporders@envisionsuccess.net or call us at NEIEP at 800-228-8220.

HIGHLIGHTS FROM THE 2018 CALENDAR OF EVENTS-SPRING SEMESTER

WEEK 10 (April 9-April 14) This week classroom rosters and class participation are reviewed. Students that have zero participation, to date, are dropped from class and reported to JAC for follow up.

WEEK 13 (April 30 - May 5) & WEEK 17 (May 28 - June 1)-MAKE-UP Classes

These weeks are reserved for Make-up classes. Please submit class for approval prior to the date of the class. A minimum of 2 students who need a make-up class have to be present in order for the class to be held. If less, the class cannot be funded.

MISSING REQUIREMENTS REPORT: JAC is encouraged to routinely check the Missing Requirements Report (MRR) to monitor students’ progress. Any discrepancies, missed unit exams or attendance issues should be corrected with NEIEP prior to the next scheduled class.

WEEK 18 (June 4 - June 8) FINAL EXAMS COMMENCE

Shipment dates for final exams will be posted when defined.

BUFFER WEEKS (June 11-June 22) Final weeks of the semester are reserved for any class that was forced to be rescheduled due to weather or a holiday. All unit exams, attendance, final exams or record discrepancies must be resolved no later than June 30. June 30 is the closing date for the Semester. Any issue not resolved on or before this date is recommended to go before the JAC.

EDITORIAL OFFICE

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