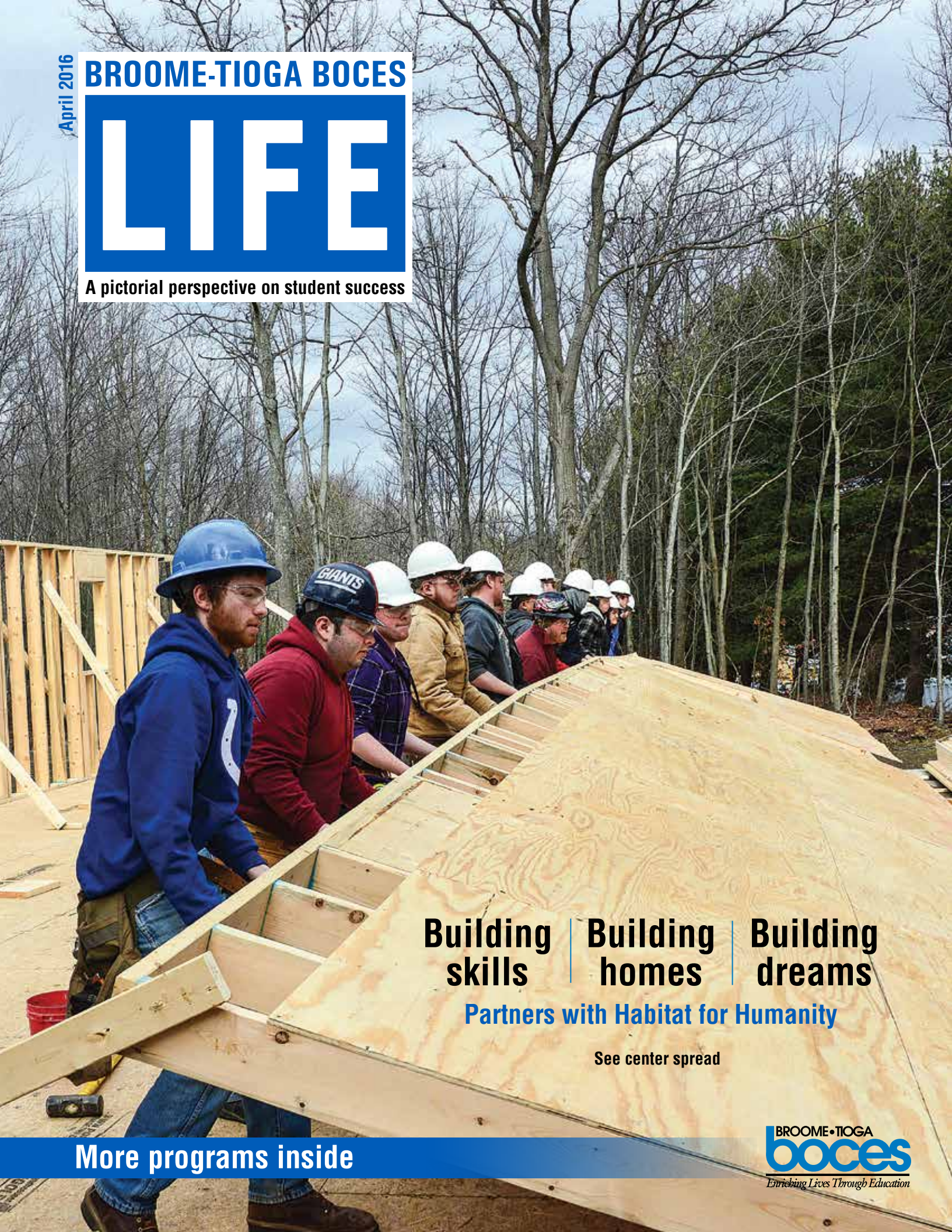


April 2016

BROOME-TIOGA BOCES

LIFE

A pictorial perspective on student success



Building skills | Building homes | Building dreams

Partners with Habitat for Humanity

See center spread

More programs inside

BROOME-TIOGA
boces
Enriching Lives Through Education



Classroom studies bring CSI into real-world focus



The “justice” implied in the course name Criminal Justice is often the direct result of highly technical, behind-the-scenes investigation, which is what students learn in units on forensic anthropology and DNA testing.





Learning large scale

Not much will pique the interest of an Auto Technology student faster than man-tall tires and massive amounts of horsepower, and such was the case when Army Reserve representatives pulled into the BOCES garage in a “heavy expanded mobility tactical truck” (HEMITT).

Illustrative of the wide range of career opportunities available to highly skilled technicians, the visit enabled students to see how basic mechanical principles and concepts can be applied in the extreme.

Move aside Honda and Ford!



On the MOVE



Recognized as a MOVE International training site, Broome-Tioga BOCES is committed to helping students with mobility impairments overcome physical challenges and build independence.

Since its inception roughly seven years ago, the program has helped dozens of BOCES students improve their mobility skills using specialized training and equipment and an overall philosophy that refuses to accept the notion of the impossible.

Liquid nitrogen turns making ice cream into an exciting science experiment



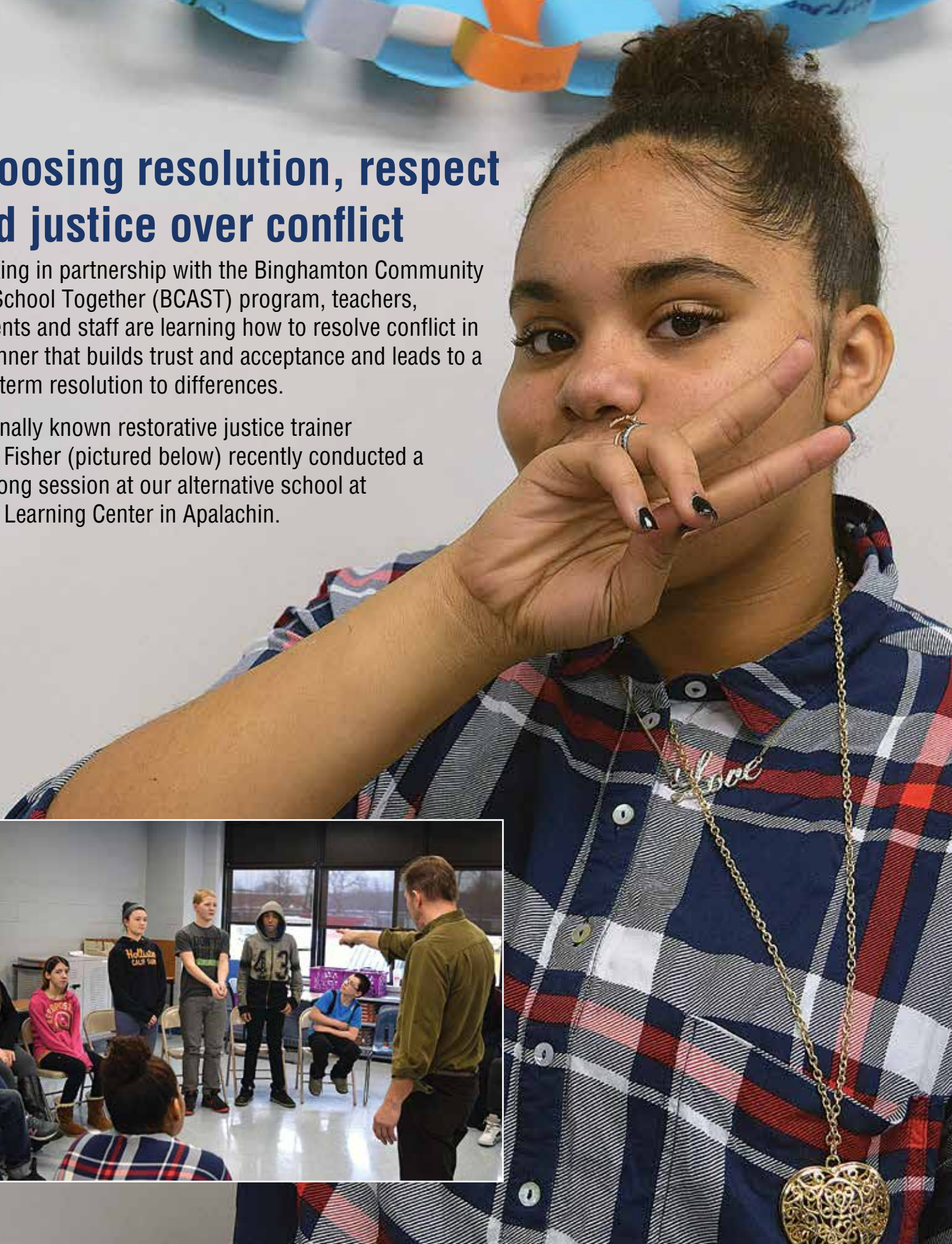
Everyone knows it tastes great. But do you know what gives ice cream its silky smooth texture? Focusing on the science of ice cream making, students examined the structure of ice cream and its relationship to the ingredients and methods used in production. They learned that in addition to cream, sugar, and flavoring, air must be added to give ice cream its proper texture. They also learned that cooling is a critical step in the process, and that the faster the ingredients are cooled, the smaller the crystals will be and, hence, the smoother the creamy result.



Choosing resolution, respect and justice over conflict

Working in partnership with the Binghamton Community and School Together (BCAST) program, teachers, students and staff are learning how to resolve conflict in a manner that builds trust and acceptance and leads to a long-term resolution to differences.

Nationally known restorative justice trainer Duke Fisher (pictured below) recently conducted a day-long session at our alternative school at West Learning Center in Apalachin.



**Into the springtime
woodlands to study the
sweet science of nature**





As if the tasty result of maple syrup-making were not reward enough, there is also the academic harvest in math and science lessons that will send students into the woods on an early spring day.



“Whose woods are these I think I know.” - Robert Frost





Applied learning ... for a great cause

Marshalling talent and resources in support of a community need best describes the partnership between BOCES and Broome County Habitat for Humanity. It was a natural blend, a coming together of hands-on learning and the real-world application of skills that will produce a modern home for a deserving family. The two-year project is funded through a grant by the local Hoyt Foundation. The home - a 1,352 square-foot, three-bedroom, two-bath modular - is being constructed on BOCES' main campus and will eventually be delivered to a yet-to-be-determined site within our community.



BOCES brings a 'game changer' to science class





Working with the Prakash Lab at Stanford University, Broome-Tioga BOCES serves as a beta testing site for the “foldscope™” prototype.

The Origami-based paper device essentially replaces the microscope, and at 50 cents a piece, creates the potential for increasing access to science students around the world, even those in the most impoverished nations.

Jennifer Leip and Erik Thompson, science integration teachers at BOCES Center for Career and Technical Excellence, have not only introduced BOCES students to the foldscope invention, but have also presented the subject to teachers and scientists at Cornell University.





State leaders visit



Getting to know us -Recently appointed State Education Commissioner MaryEllen Elia (above left) paid her first official visit to our area in January, spending part of the day learning about the many programs and services provided through Broome-Tioga BOCES. The commissioner met with students, teachers and administrators in several of BOCES programs and lunched with members of our SkillsUSA team.

The commissioner's visit was followed shortly afterward by a similar stop in February by Deputy Commissioner Angelica Infante (right) and Assistant Commissioner Renee Rider (lower right photo).

As these state leaders will attest, there is a lot to learn at BOCES.



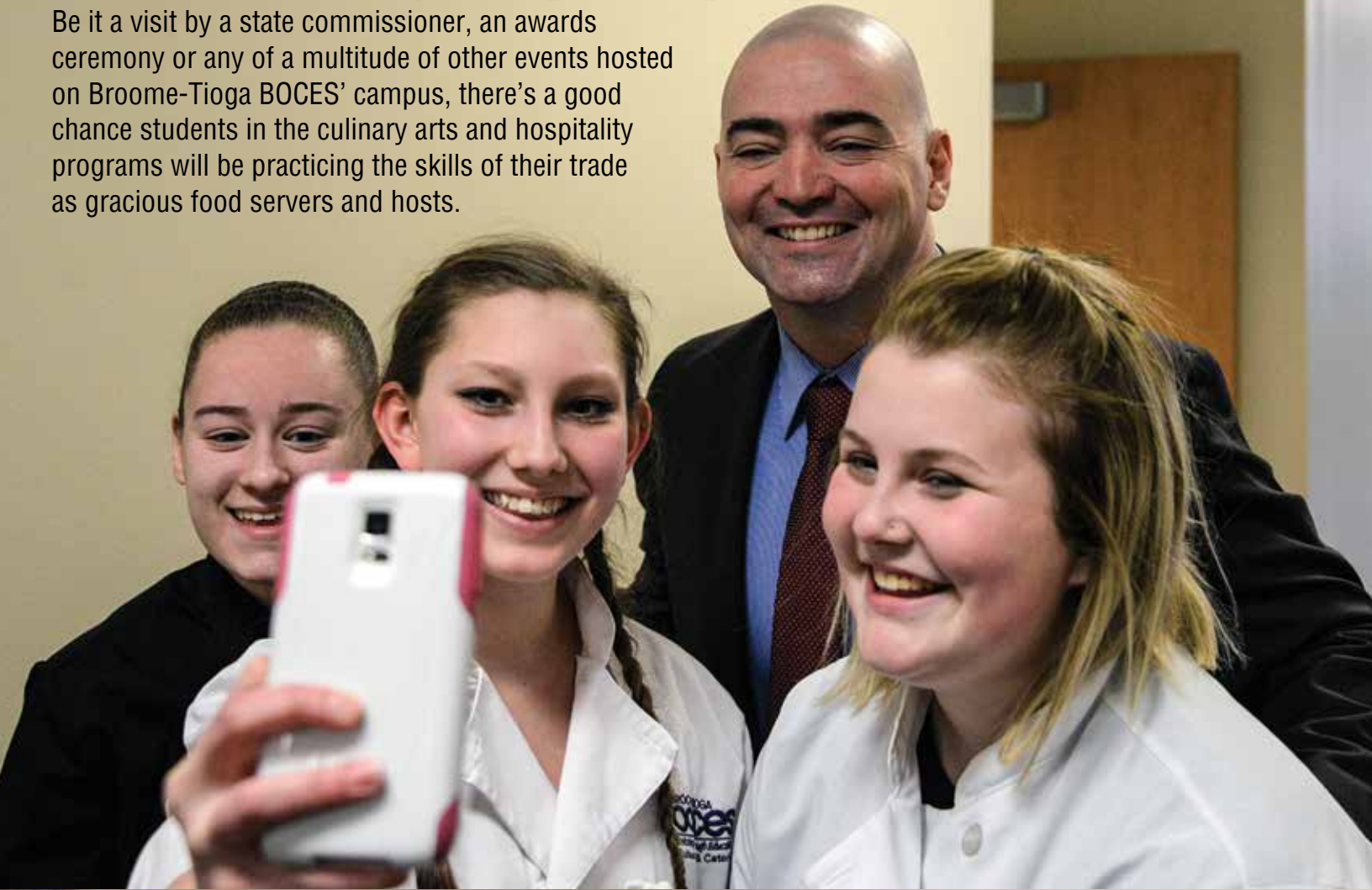


Deputy Commissioner Angelica Infante



Student culinary delights highlight BOCES events

Be it a visit by a state commissioner, an awards ceremony or any of a multitude of other events hosted on Broome-Tioga BOCES' campus, there's a good chance students in the culinary arts and hospitality programs will be practicing the skills of their trade as gracious food servers and hosts.







STEM events offer hands-on learning and practical application of skills

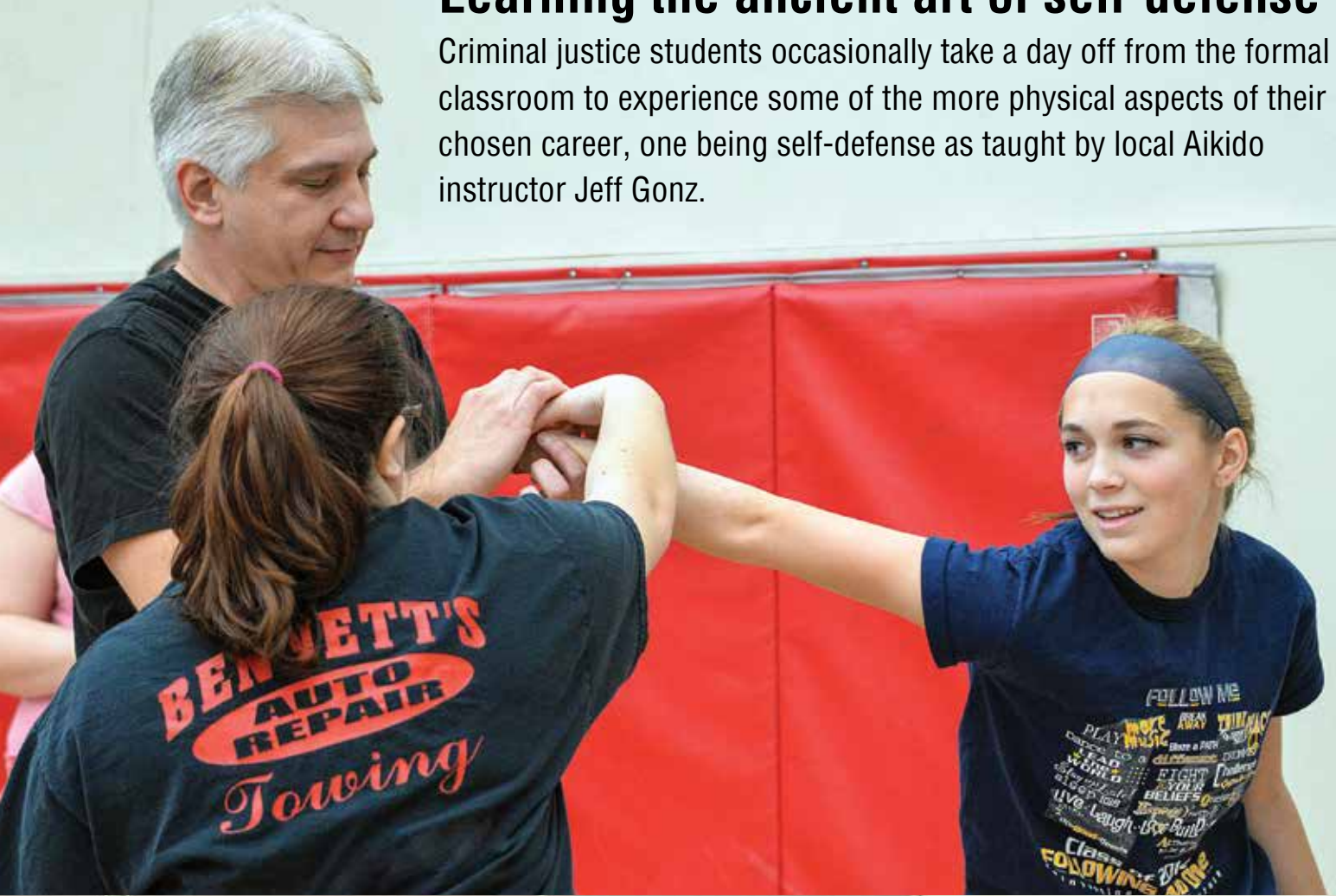
Aspiring engineers from around the region came to BOCES prepared to test their knowledge and skills at the first annual Engineering Day.

The inaugural event provided a “Rube Goldberg” challenge to students, who were asked to turn a box full of everyday household items into a complicated machine that can perform the simple task of turning on a light bulb.



Learning the ancient art of self-defense

Criminal justice students occasionally take a day off from the formal classroom to experience some of the more physical aspects of their chosen career, one being self-defense as taught by local Aikido instructor Jeff Gonz.



Current Resident
or

Postal Customer
Local

Congratulations to New York State Special Olympics Coach of the Year Beth VanOsten.



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