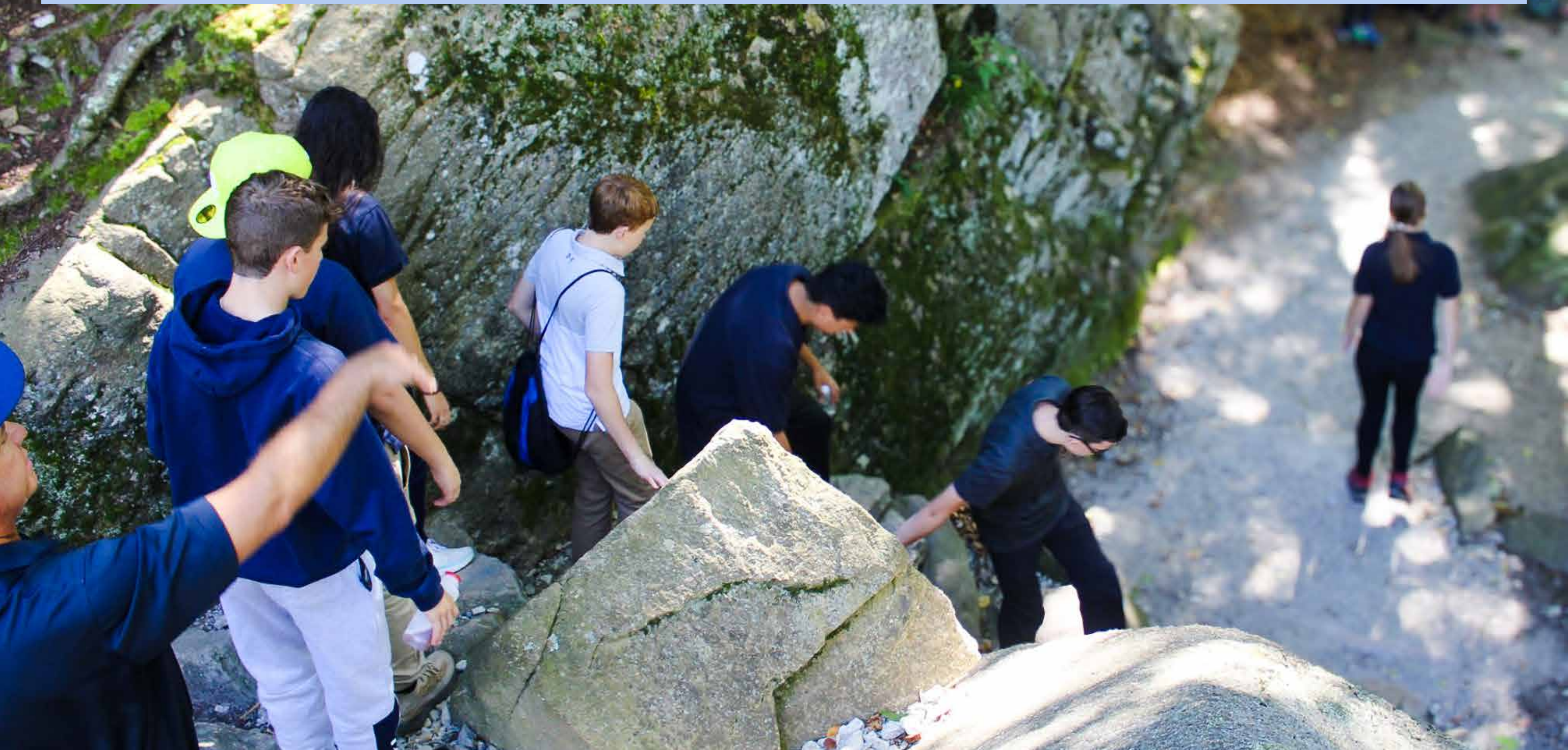


VOLUME 38

# GODDARD GAZETTE

August 19 - October 31, 2023





# A TOUR OF THE AMERICAN HERITAGE MUSEUM

**G**oddard Squadron was quite busy on Saturday, August 19, 2023. While our squadron hosted a basic model rocketry event for cadets throughout Massachusetts Wing (Goddard Gazette Volume 35), a group of Goddard members toured the American Heritage Museum at the Collings Foundation in Hudson, Massachusetts.

**G**oddard Cadet Squadron has had a special relationship with the Collings Foundation for over a decade. Prior to the pandemic, we, along with other members of Massachusetts Wing, CAP, helped to support their special events: Wings of Freedom Tour every September at Worcester Regional Airport and Battle for the Airfield every Columbus Day weekend at the Foundation's headquarters in Stow, Massachusetts.

**F**ounded in 1979, the Collings Foundation, Inc. is an educational, non-profit organization that preserves and exhibits historical artifacts and provides "living history" events to foster a continued interest in American heritage. Expanding from antique cars to vintage aircraft and air shows, the Foundation was selected to receive the Jacques M. Littlefield collection of tanks, armored vehicles, and military artifacts in 2013. This is the largest collection in the world! The American Heritage Museum opened its doors to the public in May 2019.

**T**he exhibits are arranged chronologically, from the American Revolution to 21st century conflicts. The displays are immersive rather than static, engaging the audience and enhancing understanding of what it was like for soldiers during each time period.

THANK YOU TO 2D LT JASMINE RANDHAWA AND 1ST LT KEITH REID FOR ARRANGING THIS ACTIVITY.



1/3 Scale Model of  
Leonardo da Vinci's fighting vehicle



From left to right: Cadets Liam Hickey, Ben Marjault, Tyler Nolan, Namish Kaza, Nick McCaffrey, Marco Moya, Luke Marjault, and 1st Lieutenants Keith Reid & Bob Aubrey



The T-34/85, a Russian tank used during  
World War II and the Korean Conflict



World War II Amphibious Landing Craft (American)



## Sunday, August 20, 2023 at Hartness State Airport

Cadet Nick McCaffrey and the Safety Officer approach Cadet Tyler Nolan, front seat.







Nick is serving at the Wing Runner in this photo!





In this photo, Cadet Christian Sargis is learning about hitching the tow rope as Cadet Liam Vosnakis looks on. Tyler Nolan is standing in the background.



Hitching the tow rope as the Safety Officer looks on.





Practicing Hand Signals while Tyler and the Safety Officer look on.



Hopefully, the cadets realize what a privilege it is to learn to about the aerodynamics of flight from the seat of a glider....it was a fantastic day in Vermont!



## A NEW ENGLAND ADVENTURE

**O**ur Cadet Commaner, Lieutenant Colonel Ita Carrigg, is also our Cadet Activities Officer. When tasked with an event for Sunday, September 17th, she came up with a fantastic grouping of activities. Not only were they fun, they were cost-effective in a tight economy.

**T**he morning began with apple picking at Douglas Orchard & Farm in Douglas, Massachusetts. After roaming the orchards to select premiere apples, all enjoyed a bagged lunch. This writer managed to discover some sequestered goats on the property. The only mammal that could top this discovery would be the lofty *Giraffa camelopardalis*!







*Cadets George MacPherson and Christian Sargis on a crisp autumn day in New England.*





*Front row, left to right: Cadets Riley Manchester, George MacPherson, & Will Callaghan  
Rear row: Alejandro Mahoney, Christian Sargis, Saikapish Kaza, Max Achkinazi, Josh LaBonte, & Joel Bischoff*





*Left to right: Cadets Ariana Ward, Rebecca Singley, Adam Rosado, Koushik Yamsani, and Liam Vosnakis*









*Cadet Rebecca Singley with one of life's many blessings... a **BUNNY!***







*Senior member Bob Sargis is in the rear row, second from far right. Namish Kaza is also a new addition to the group. He is seated front row, sixth in from the left*



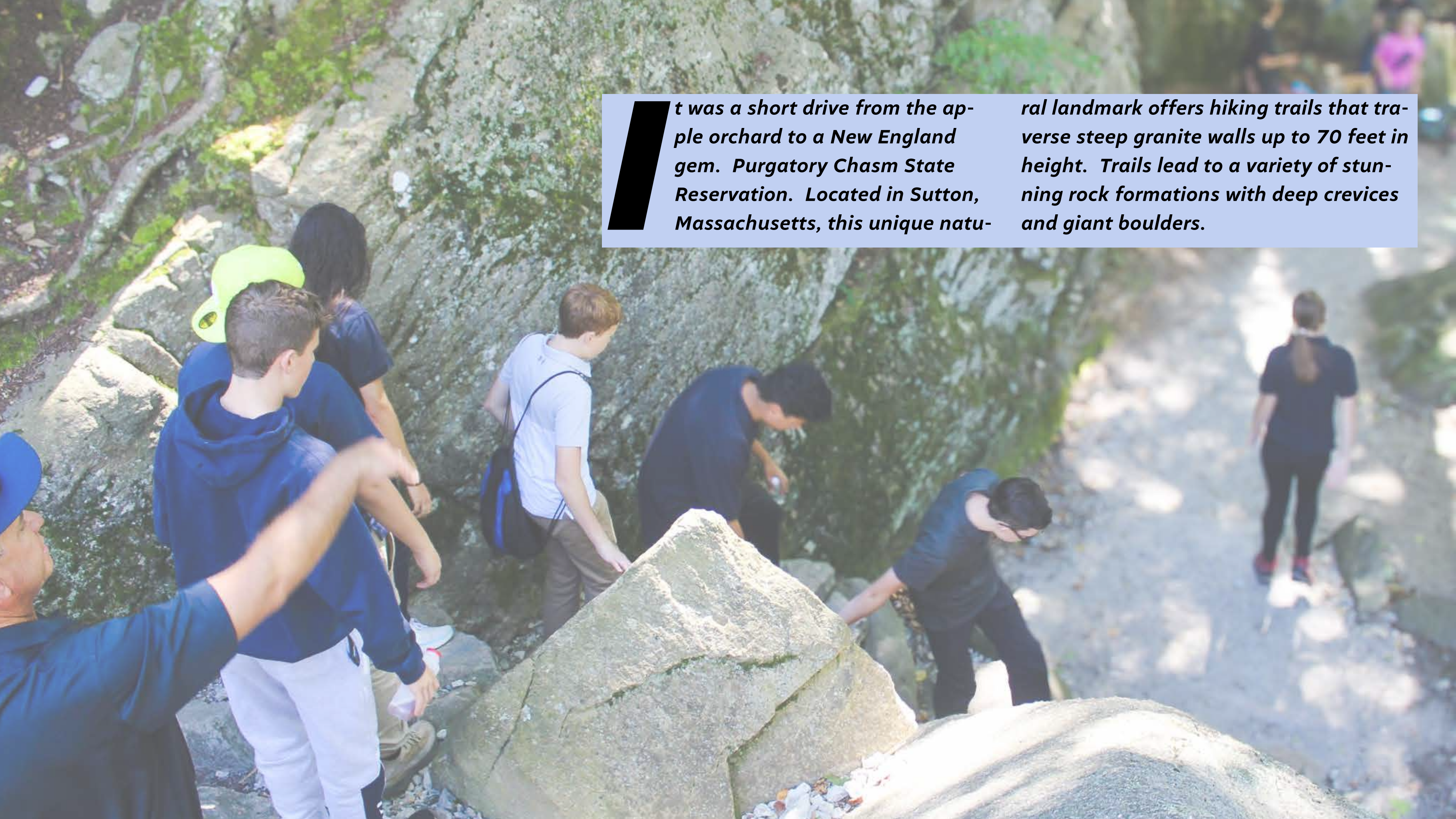


*Who other than Cadet Adam Rosado atop the tractor!*



*Bob Sargis looks on as Max & Will proudly display their prized finds.*

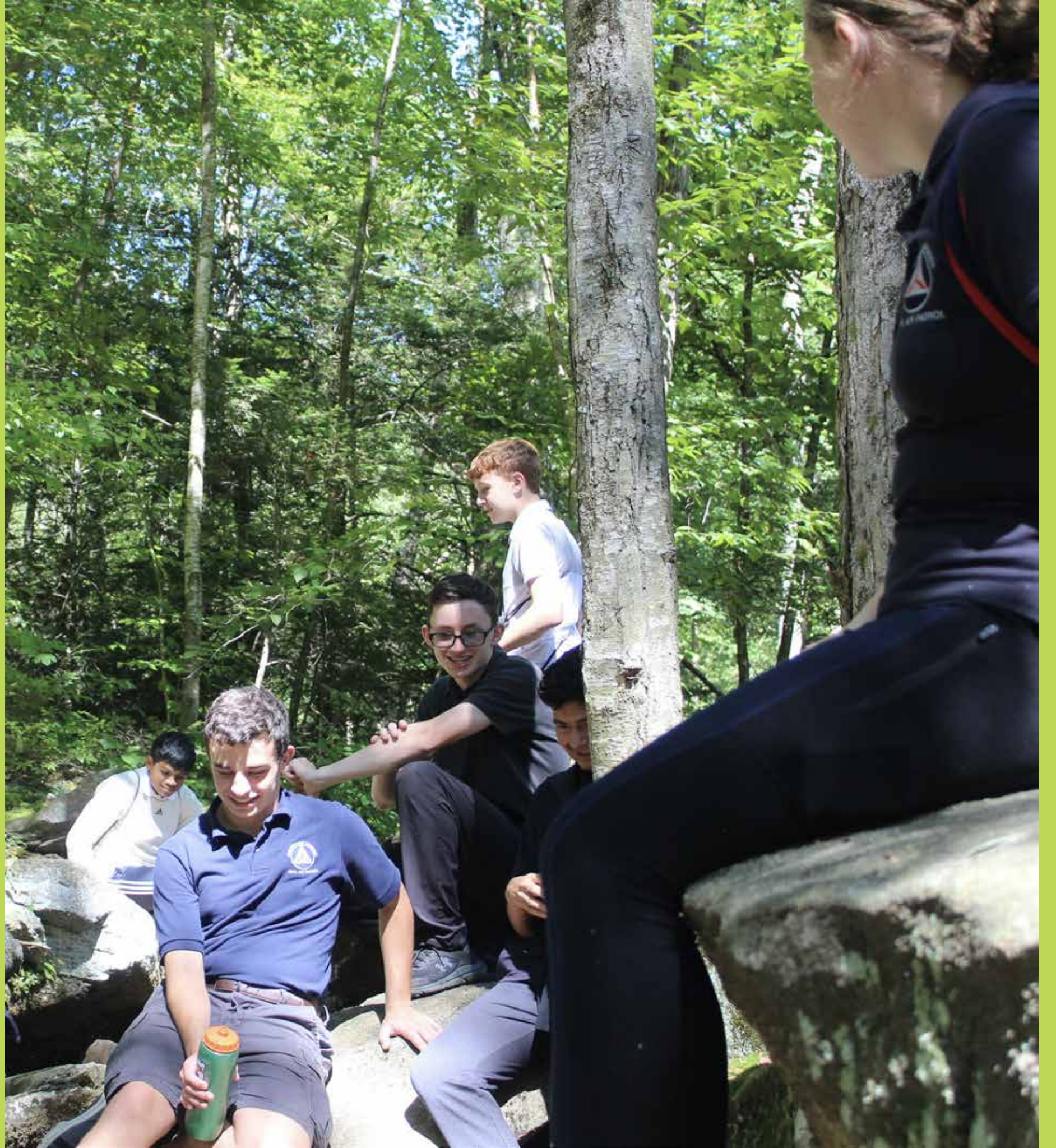




**I**t was a short drive from the apple orchard to a New England gem. Purgatory Chasm State Reservation. Located in Sutton, Massachusetts, this unique natu-

ral landmark offers hiking trails that traverse steep granite walls up to 70 feet in height. Trails lead to a variety of stunning rock formations with deep crevices and giant boulders.





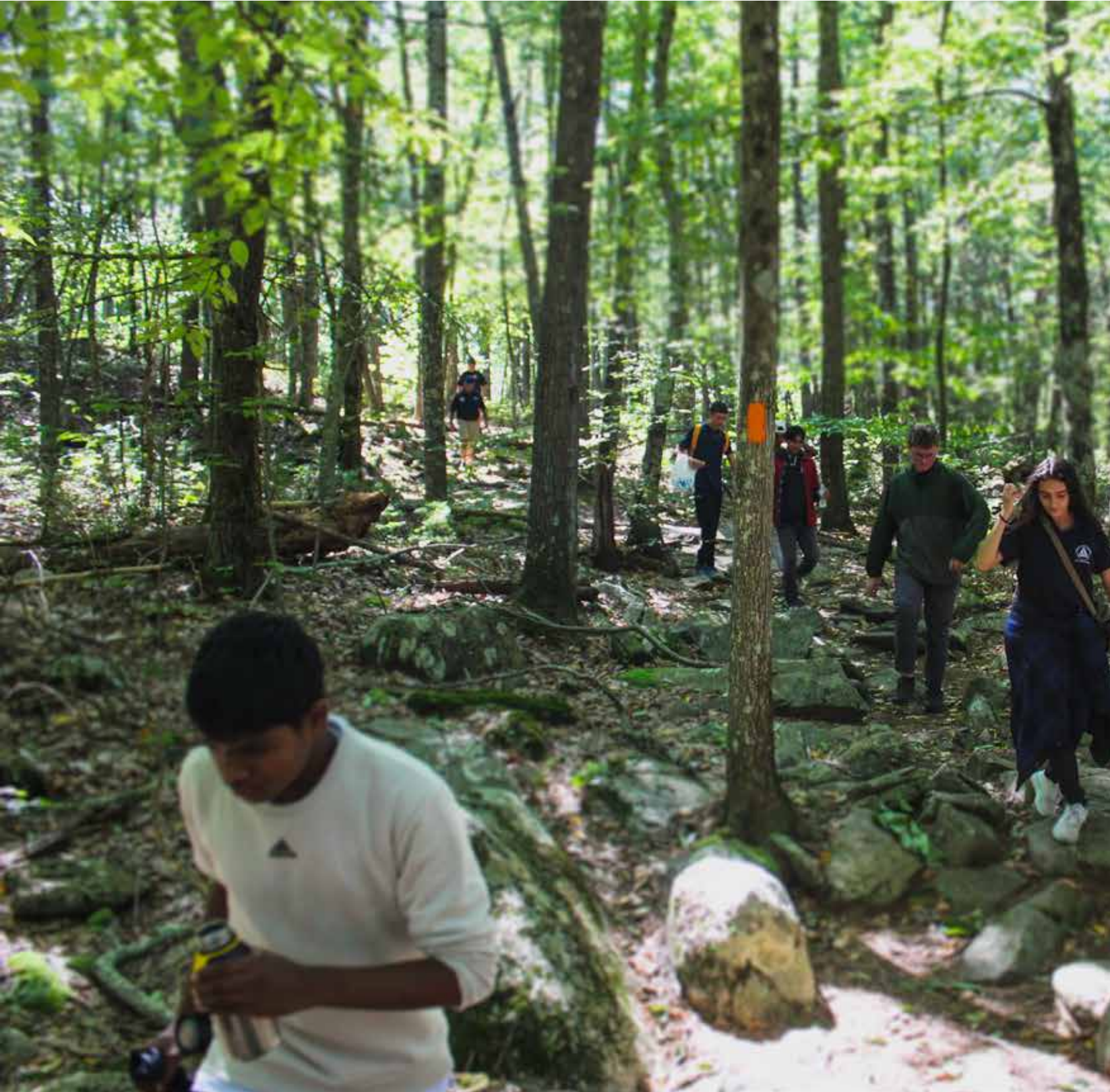




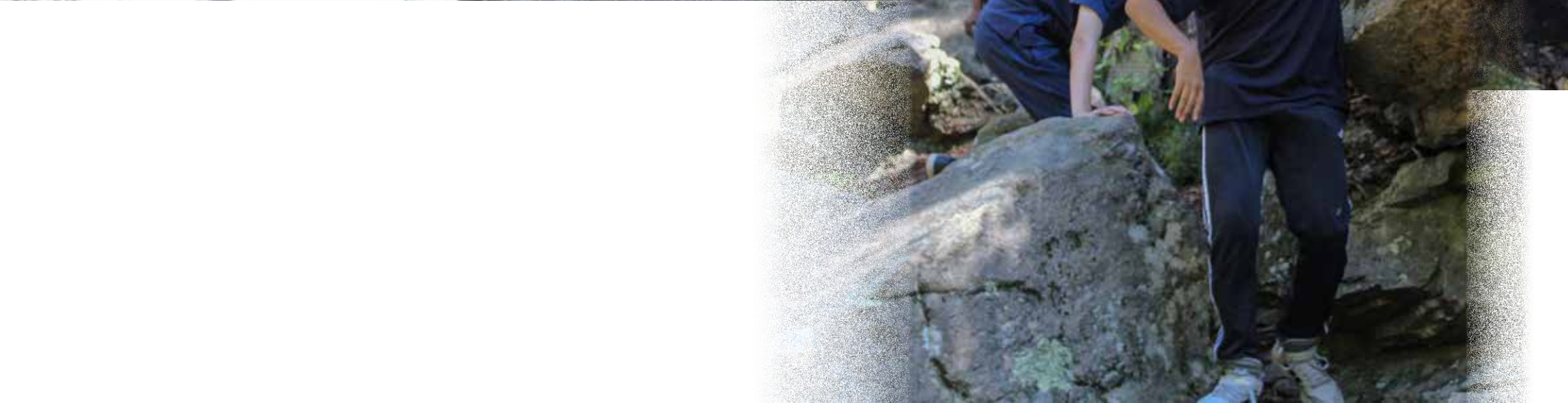


















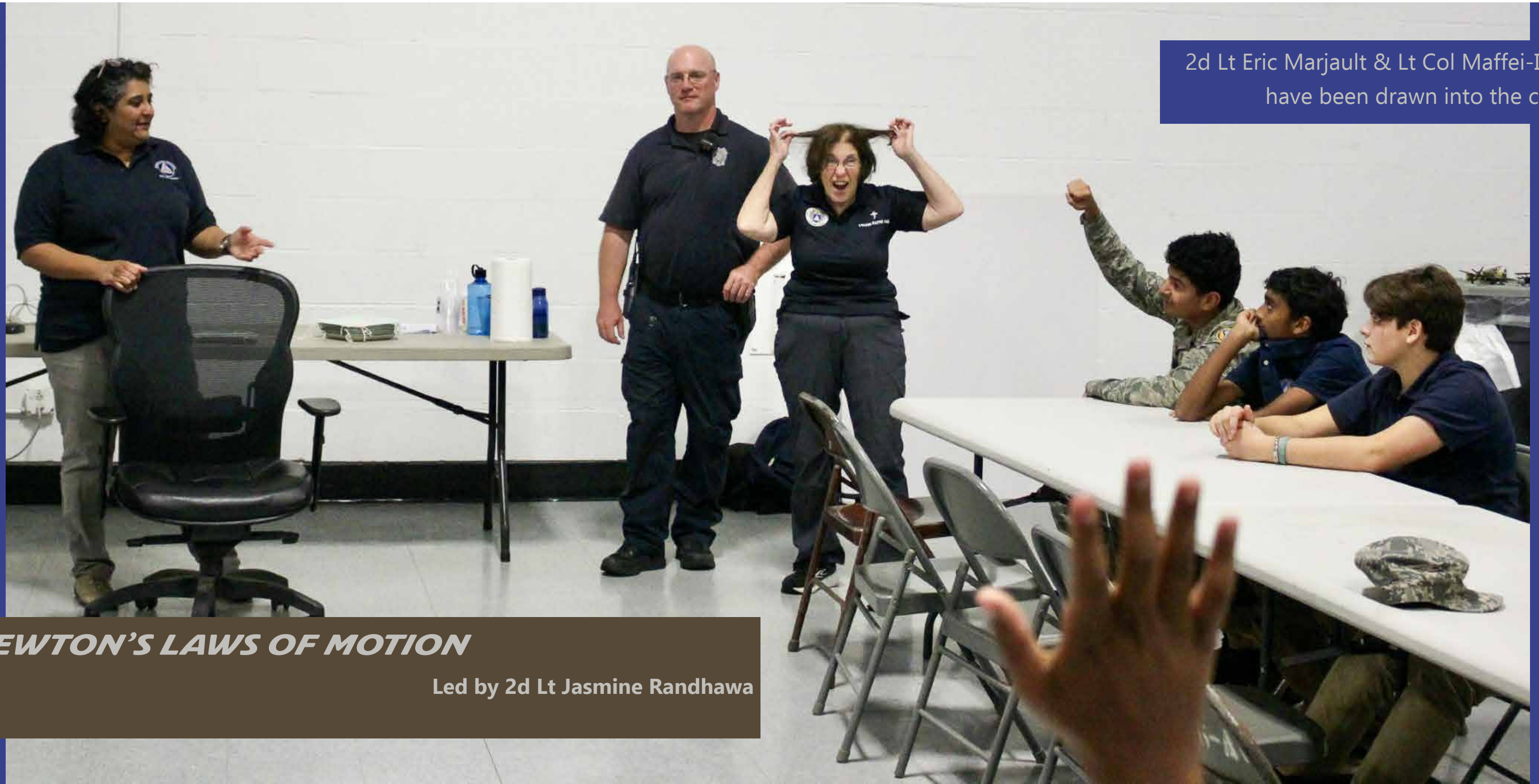




# ***AEROSPACE EDUCATION AT THE ARNG BASE***

September 24, 2023

2d Lt Eric Marjault & Lt Col Maffei-Iwuc  
have been drawn into the class.



## ***NEWTON'S LAWS OF MOTION***

Led by 2d Lt Jasmine Randhawa









2d Lt Jasmine Randhawa

2d Lt Randhawa is explaining the hands-on portion of this exercise to the cadets.





**From left to right:  
Cadets Koushik Yamsani, Aabed Selva Vinothe, Max Achkinazi,  
and Harshith Dodda**



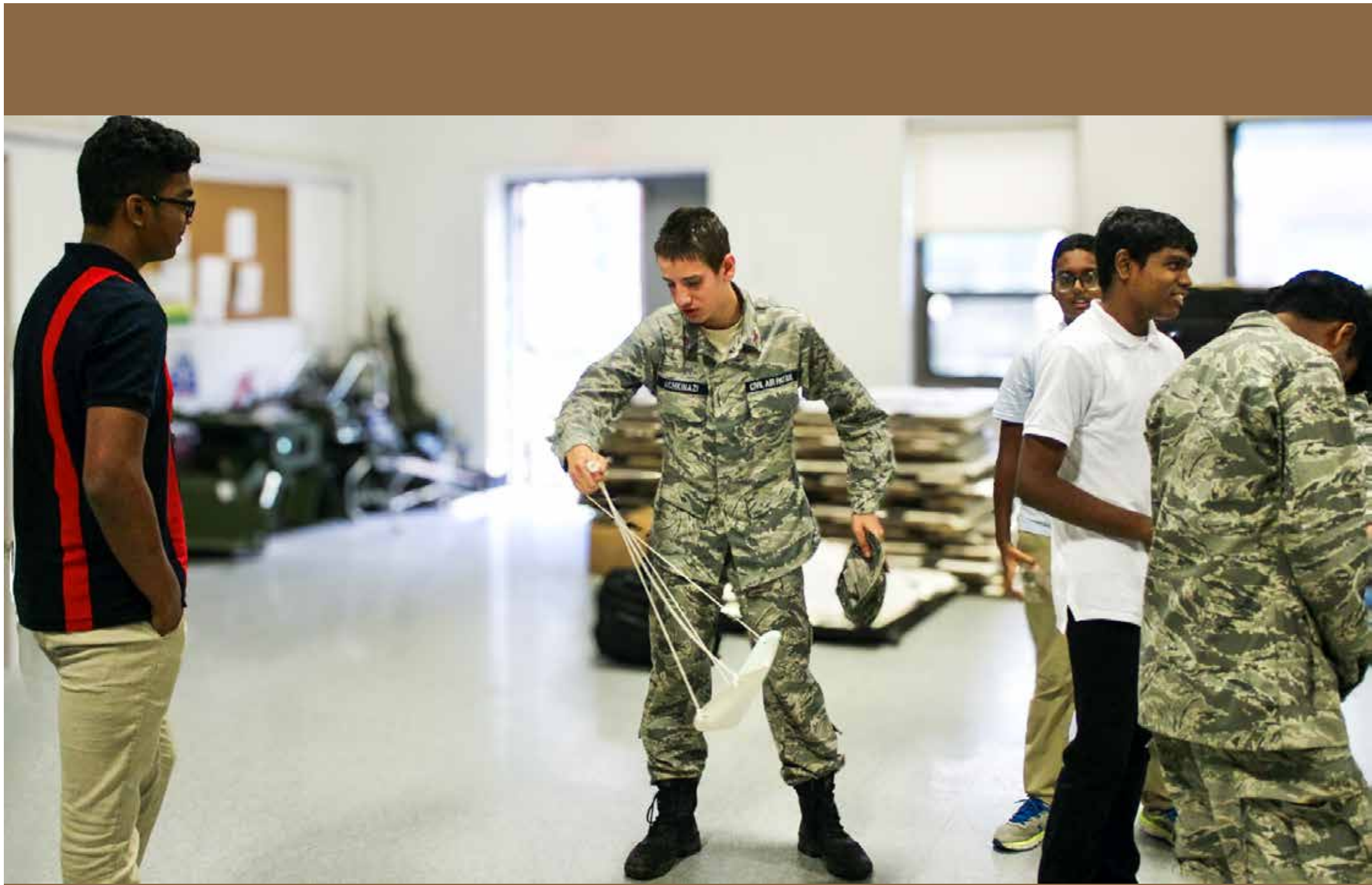
Cadet Luke Marjault



Cadet Riley Manchester







Cadet Max Achkinazi with Aabed looking on.



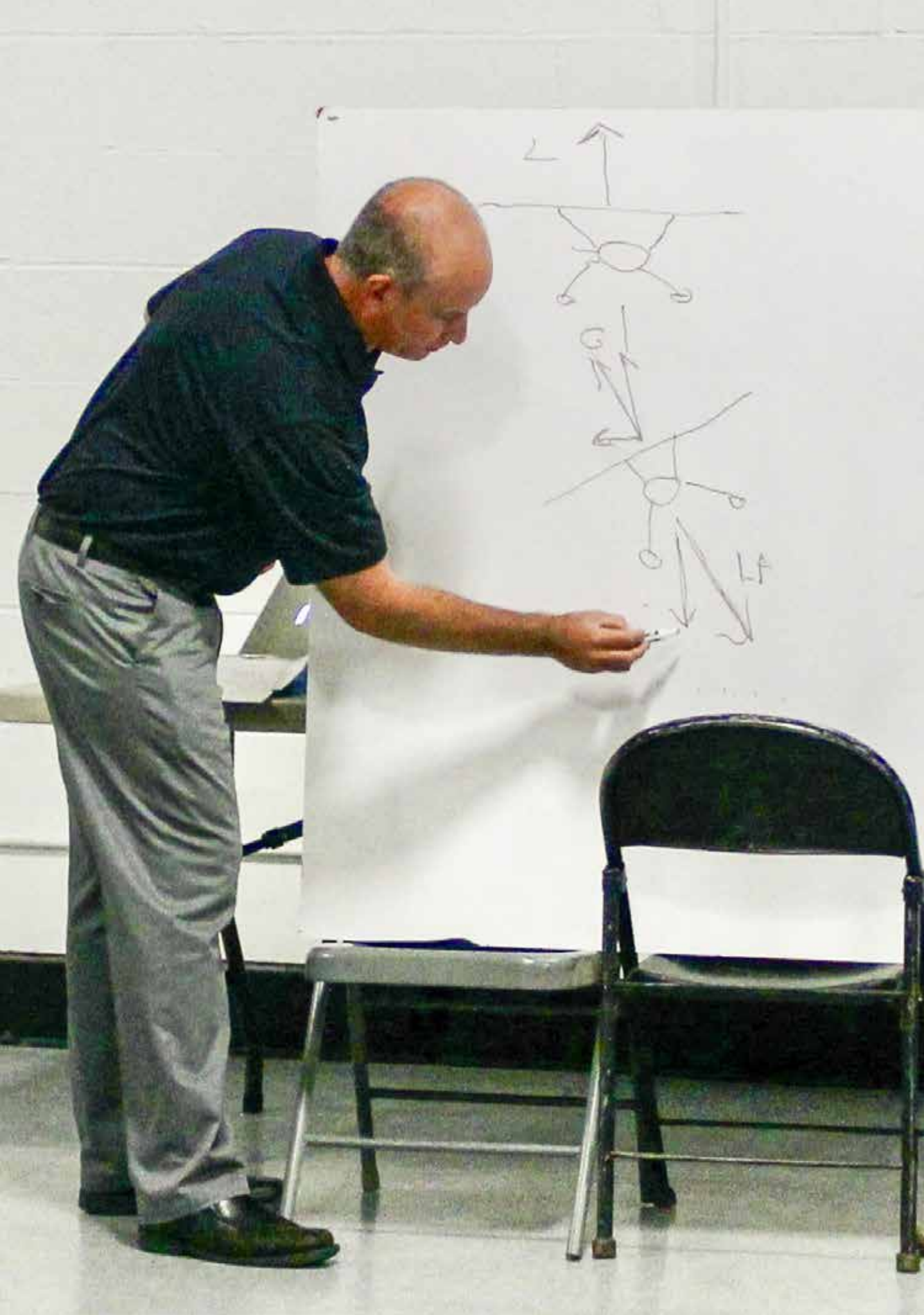
Cadet Adam Rosado





Cadet Thomas Niall with Cadet Namish Kaza in the background.





SM Bob Sargis, a commercial pilot, is explaining the four forces of flights to the cadets.





# *Aircraft Recognition Exercise*

Led by 1st Lt Keith Reid



1st Lt Keith Reid is a military aviation buff and enjoys passing on his expertise to the cadets.





# Goddard Squadron Assists at the Massachusetts STEM Teacher's Fair

**I**t was a cloudy day at Gillette Stadium on Saturday, September 30, 2023, but that did not dissuade hundreds of educators from attending this exploration and celebration of Science, Technology, Engineering and Math (STEM). Of course, getting to be on site at the home of two national sports leagues, the New England Patriots and the New England Revolution, was a huge drawing card.

**O**ne of the primary missions of CAP is aerospace education, and this Teacher's Fair is a wonderful way to highlight how Civil Air Patrol fosters STEM education not only within our squadrons but within the community at large. Lt Col Shelley Rosenbaum Lipman is the Director of Aerospace Education for Massachusetts Wing, while Capt Leslie Kneipfer focuses on External Aerospace Education for Massachusetts Wing. For the second year in a row, they asked for wing-wide assistance and Goddard Squadron cadets and senior members answered the call.



# Gillette

# STADIUM

Gillette  
STADIUM



za & Thomas Niall

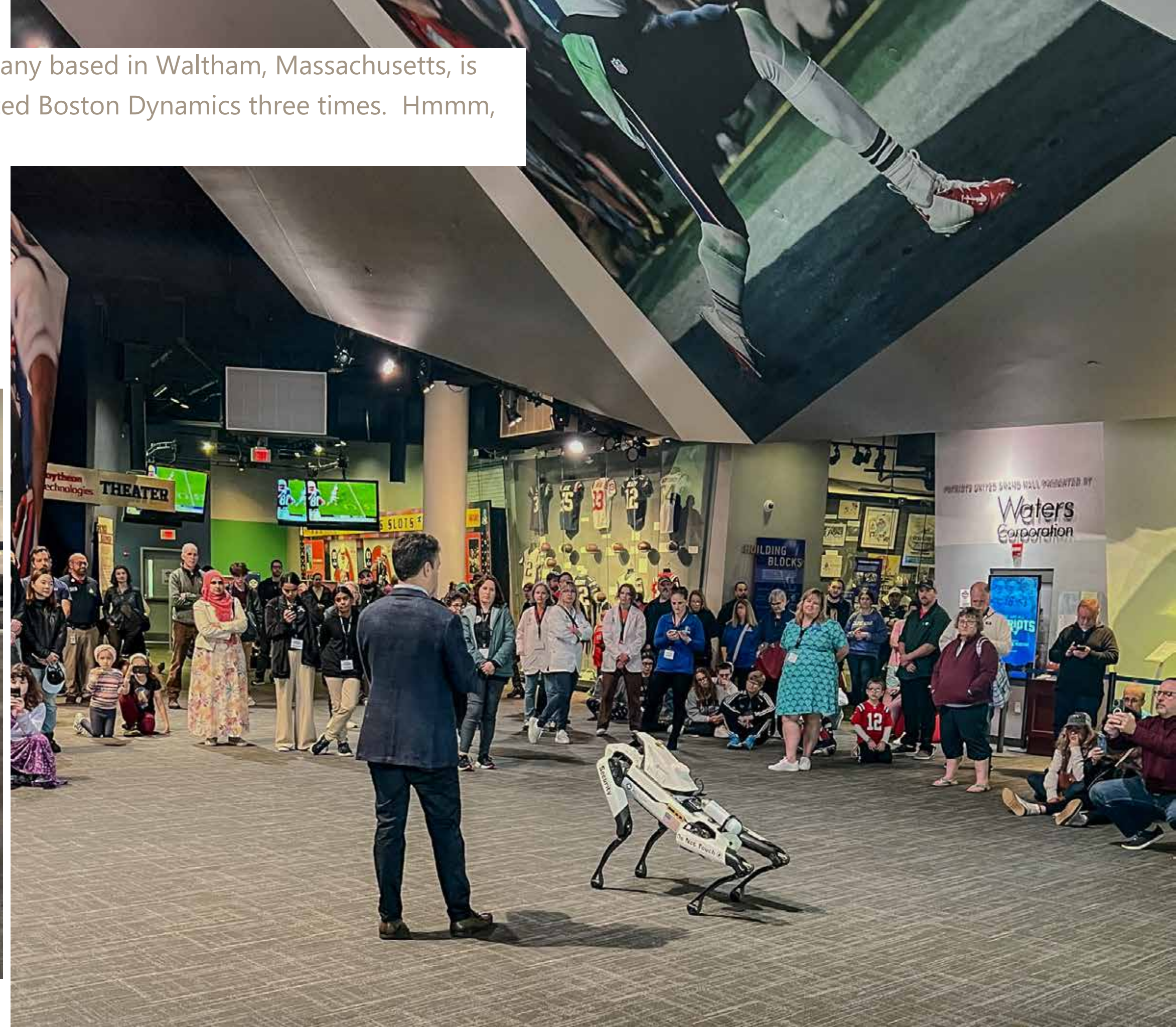




**Statewide STEM** agencies, organizations such as Civil Air Patrol, and universities set up educational booths at the fair. Our cadets and senior members assisted with setting up and providing instruction in the use of a flight simulator, setting up a robotics display, and teaching educators how to construct and then launch small hot air balloons.



In this photo, Boston Dynamics, a robotic company based in Waltham, Massachusetts, is giving a robotics demonstration. We have visited Boston Dynamics three times. Hmm, perhaps it is time for a return visit!







David Andrews Center

**A** visit to the home of the New England Patriots would not be complete without a display of their collection of Vince Lombardi trophies!



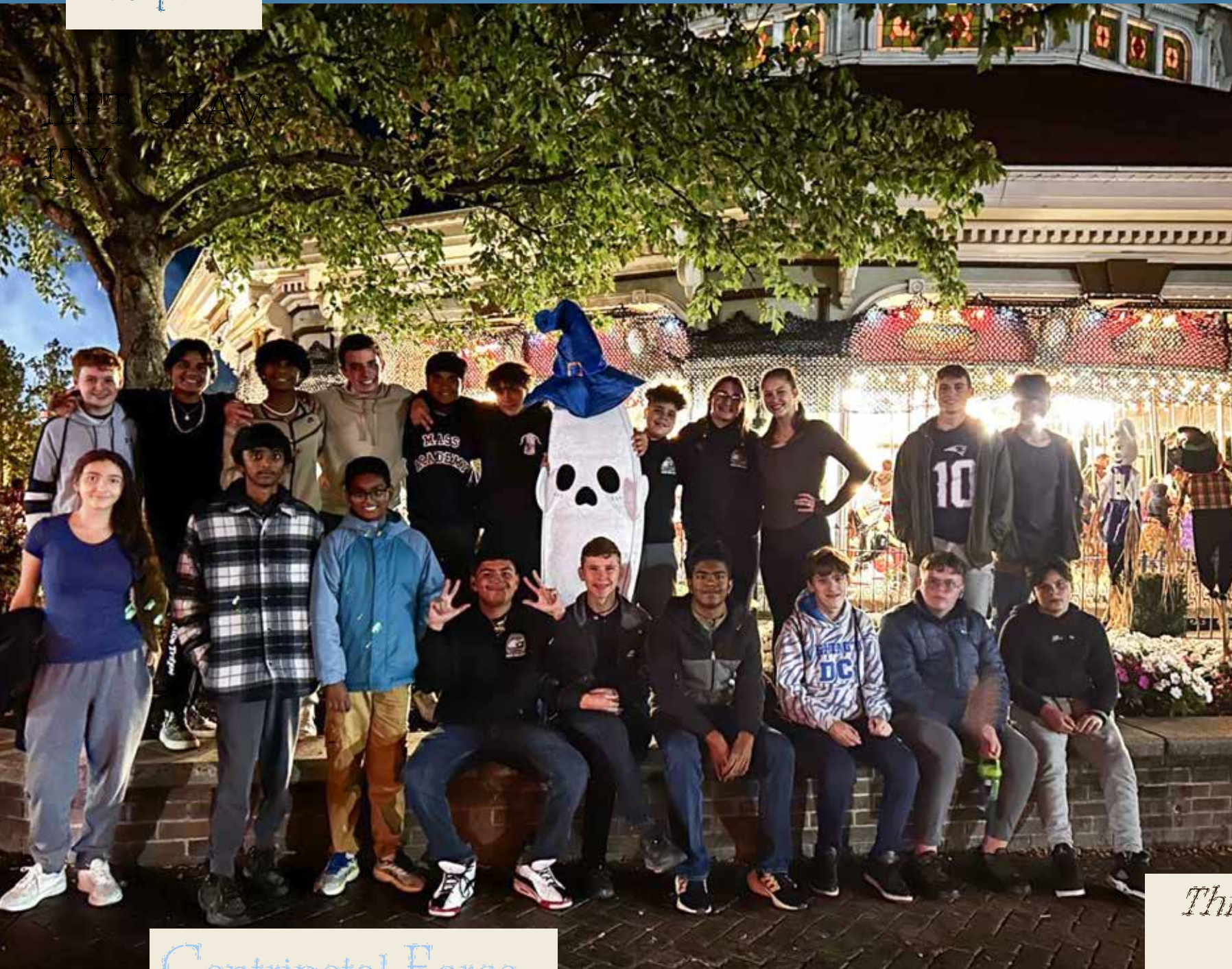
**Namish is chilling at Red Robin**



# Fright Fest at Six Flags New England: Our Annual Trek!

Sunday, October 8, 2023

Torque



DRAG



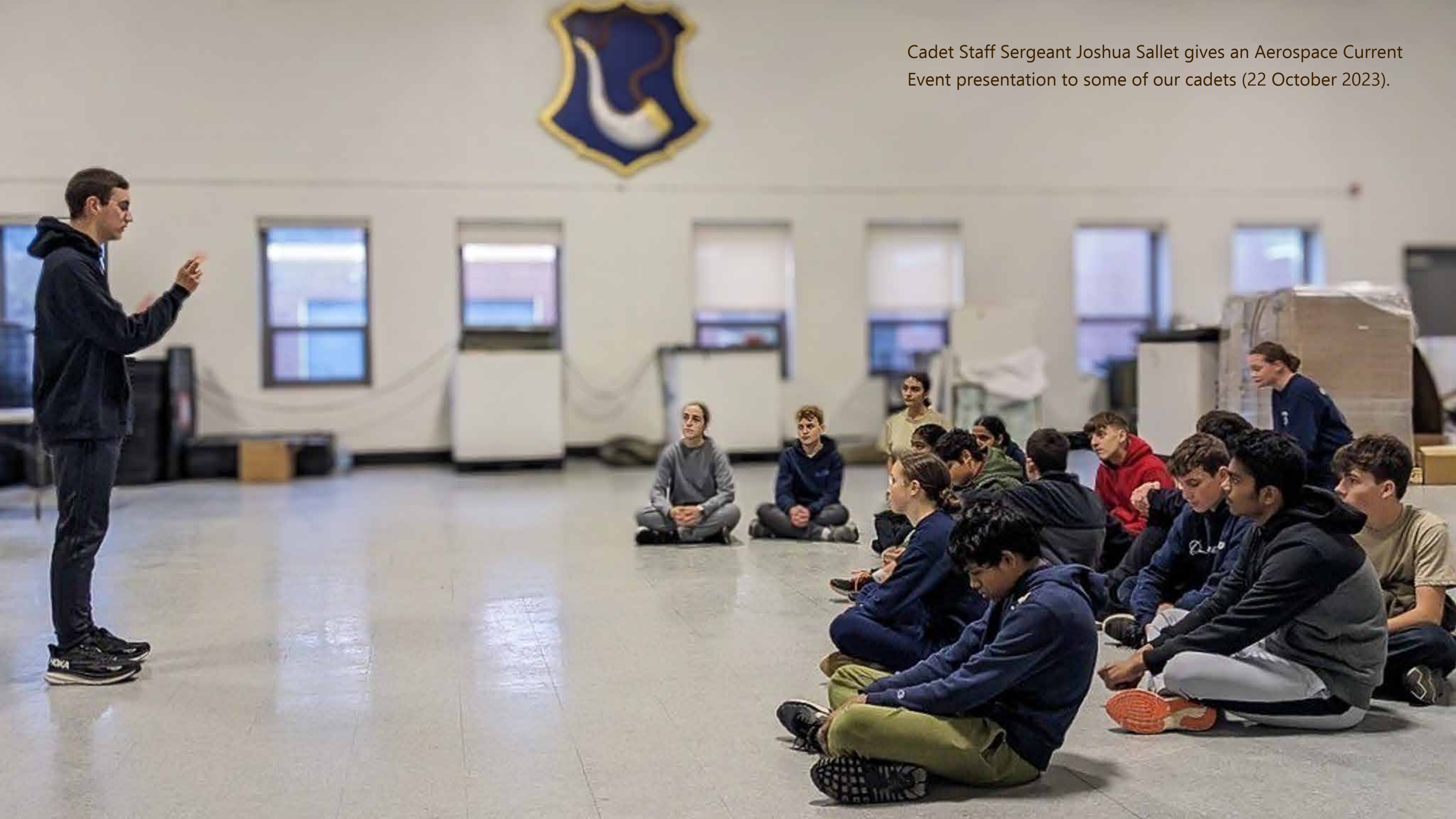
Centripetal Force

*Thrust*

centrifugal force



Cadet Staff Sergeant Joshua Sallet gives an Aerospace Current Event presentation to some of our cadets (22 October 2023).





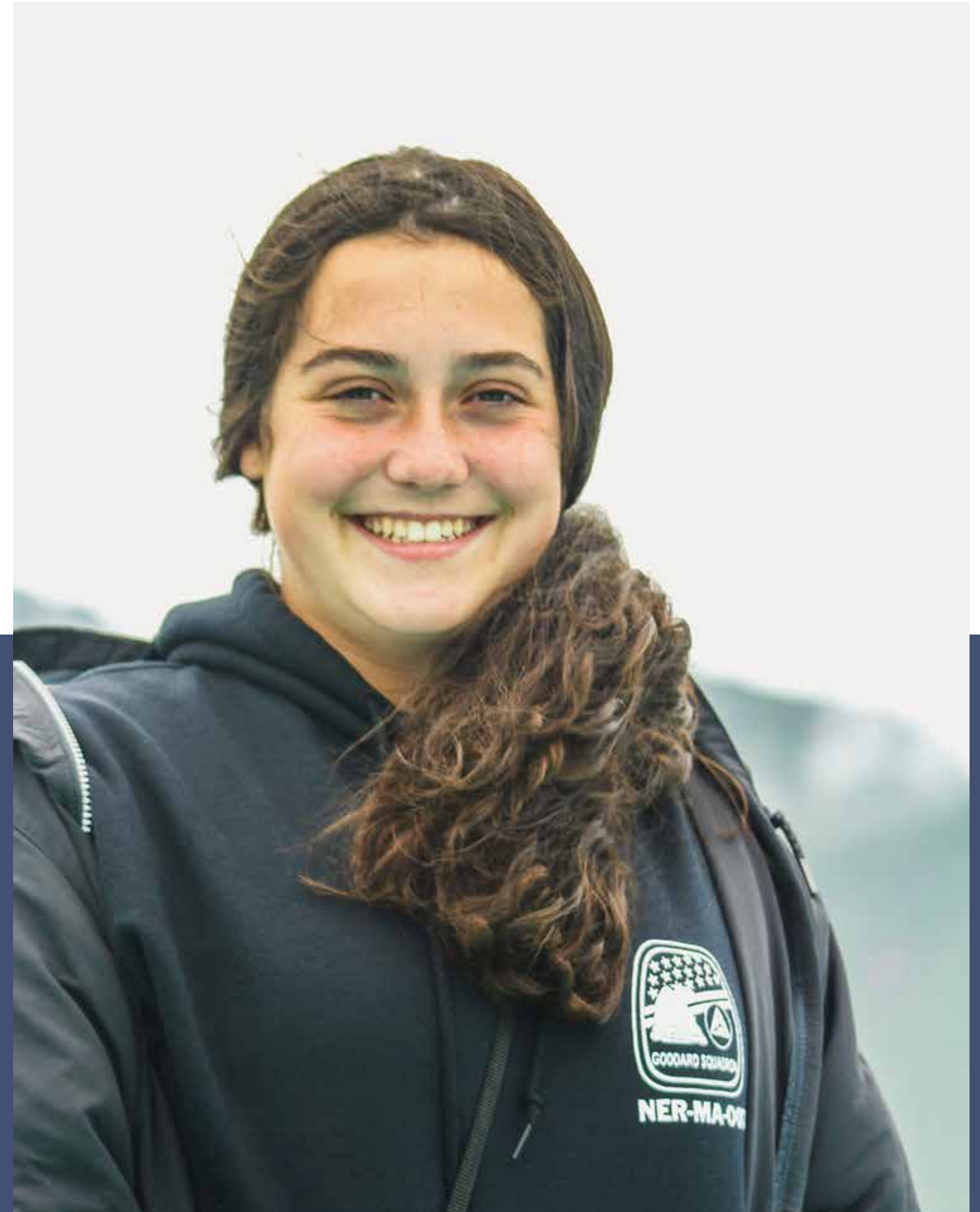
# INTERACTIVE LEADERSHIP EXERCISE

*Led by C/Lt Col Ita Carrigg, Our Cadet Commander*

The goal of the exercise is to build the highest tower of blocks WITHOUT using your hands. Only one block can be added at a time, and only one person can work on the tower at a time. Once a block is placed, it cannot be moved. It was

a great exercise in team building. It just happened to be a lot of fun as well!

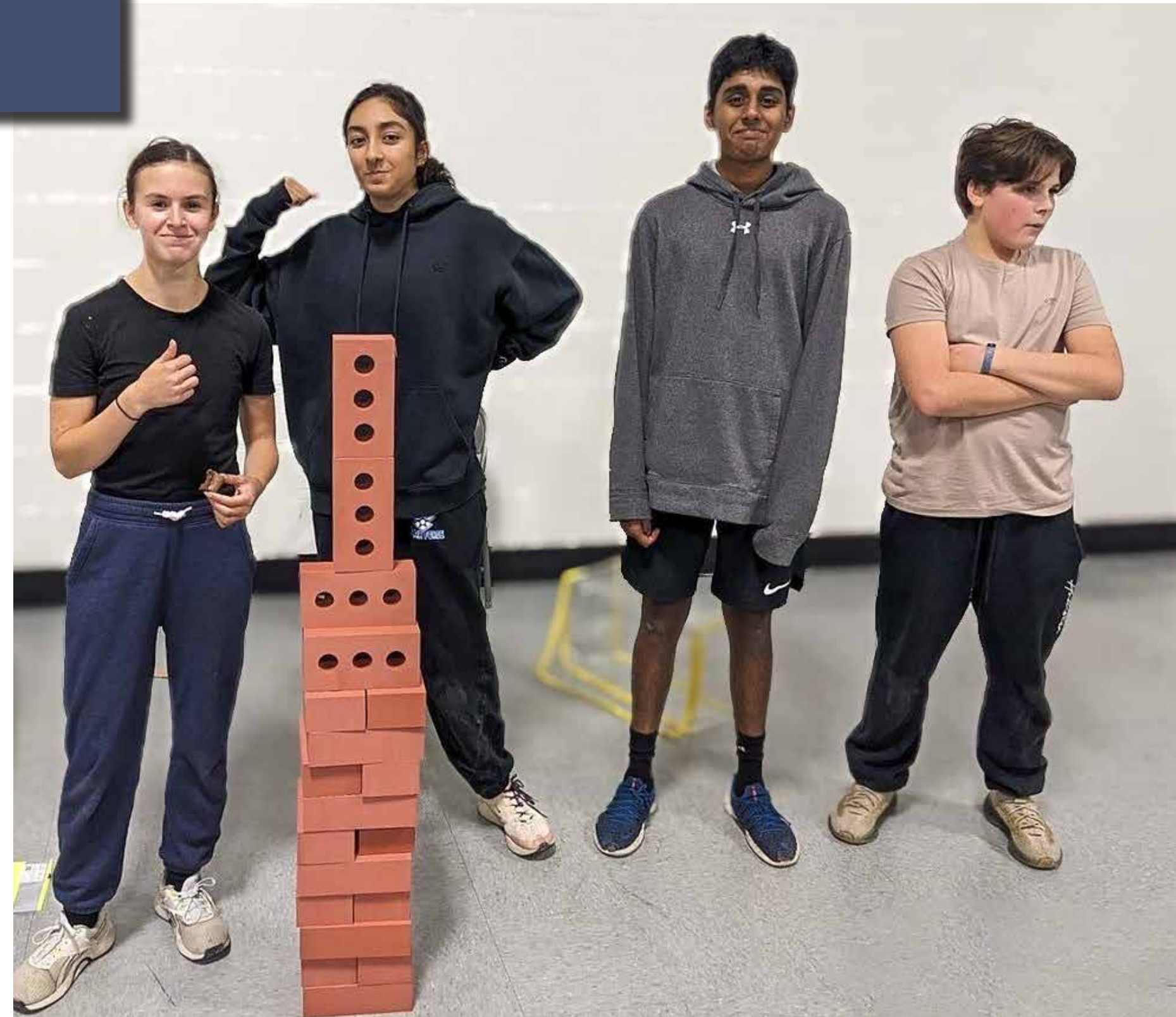
We won't name cadets here... the purpose of the photos is to capture the spirit of the competition.



Ita Carrigg, Kenai Fjords National Park, Alaska (June 2021)



TEAM ONE



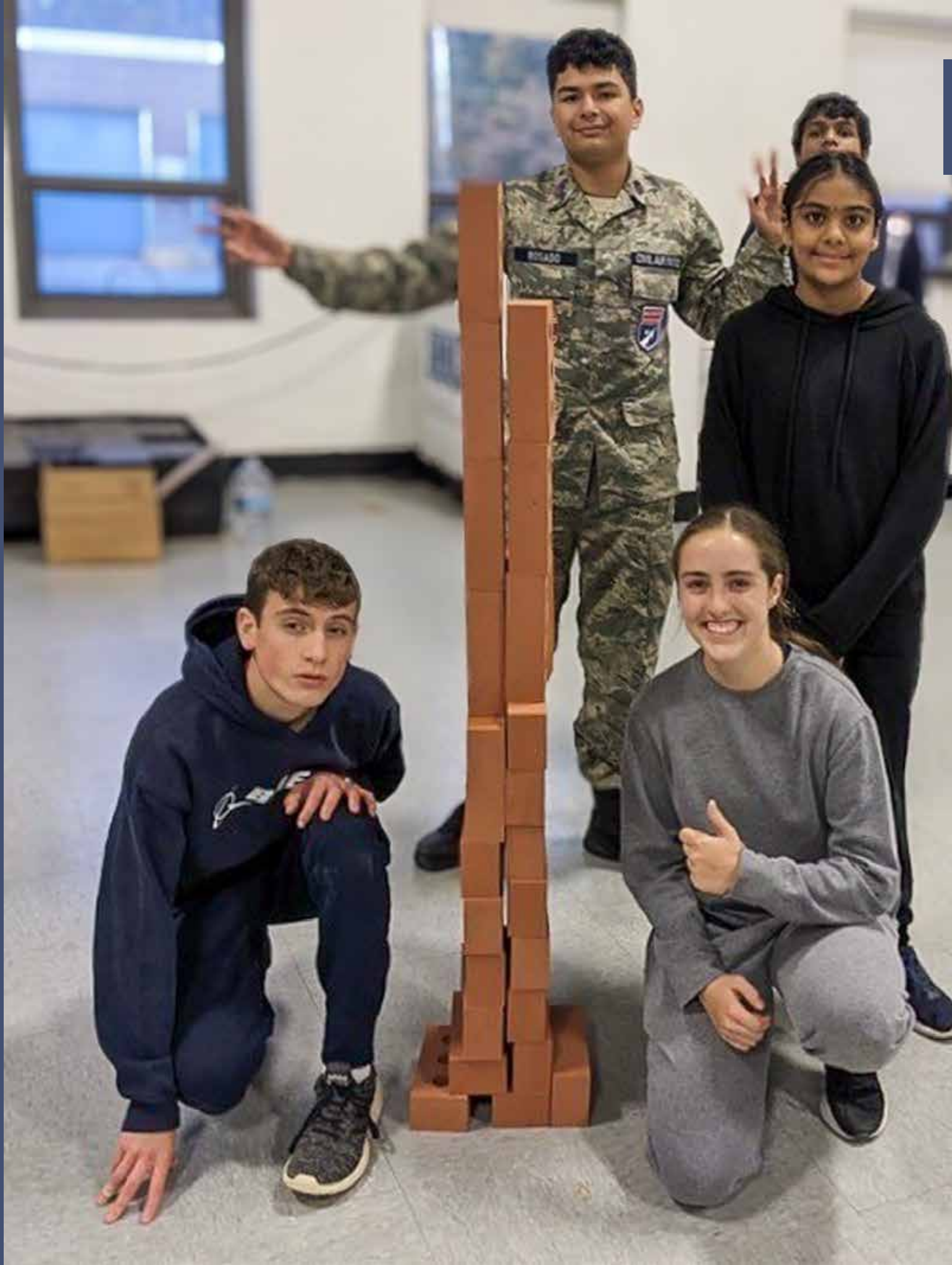




TEAM TWO



TEAM THREE







## TEAM FOUR

Represented by C/TSgt George MacPherson. Alas, there are no other photos, but he headed the **winning team**.



## **BUILD YOUR OWN CAP AIRCRAFT:**

AN AEROSPACE EXCELLENCE PROJECT

LED BY SECOND LIEUTENANT NICK ORLOVSKY

Nick Orlovsky was a former Cadet Commander at Goddard Squadron. A 2023 Aeronautical Engineering graduate of Worcester Polytechnic Institute, he is now

working towards his Phd. It is always great fun when Nick runs an exercise. He is all things aeronautical and his enthusiasm "lights up" the room!



Second Lieutenant Nick Orlovsky



CAP Aircraft Design Team One



CAP Aircraft Design Team Two





CAP Aircraft Design Team Three



CAP Aircraft Design Team Four







## PHOTOGRAPHERS

GHOST

C/Lt COL ITA CARRIGG

2D Lt JEFFREY LABONTE (INCLUDING  
THE COVER PHOTO)

USAF Lt COL BRIAN MCCAFFREY

C/TSgt NICHOLAS MCCAFFREY

2D Lt JASMINE RANDHAWA

MR. SELVA VINO THE MAHIMAIDAS

VK  
DESIGN



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