

The Warrior Beacon Newsletter

October, 2024 Edition 1, Volume 2



Newsletter; October 1, 2024

As we enter November, we're reminded of the many things we have to be thankful for. This month is a time to reflect on the values of gratitude, service, and community, and to recognize those who contribute so much to the success of our country, schools and students.

First and foremost, we express our heartfelt thanks to our Veterans. Their dedication and service to our country are invaluable, and we honor their sacrifice. Their commitment reminds us of the strength found in service, inspiring our students and staff alike. We invite all Veterans to celebrate your service to our country on Thursday, November 7th at 9am in the WLC gymnasium.

We're also incredibly grateful for our parents and community members. Your support is the foundation of our schools. From helping with school activities to encouraging students at home, you play a critical role in creating an environment where learning can thrive. Your partnership allows us to provide meaningful and enriching experiences for all students.

To our students, we commend you for your dedication to your studies, helping each other, and the desire to grow each day. Your efforts to reach academic goals and become the best version of yourselves are inspiring. Your curiosity and determination drive our work and remind us of the importance of nurturing each young mind.

Lastly, to our dedicated staff, thank you. The time, energy, and care you put into planning, preparing, and delivering a rich academic experience do not go unnoticed. Your commitment to creating an inviting and challenging educational environment empowers our students to succeed, and we are deeply grateful for all you do.

November reminds us to cherish the people around us who contribute to our shared success. Thank you for being part of our community, and for your continued support in making our schools a place of growth, learning, and gratitude.

With warm regards,

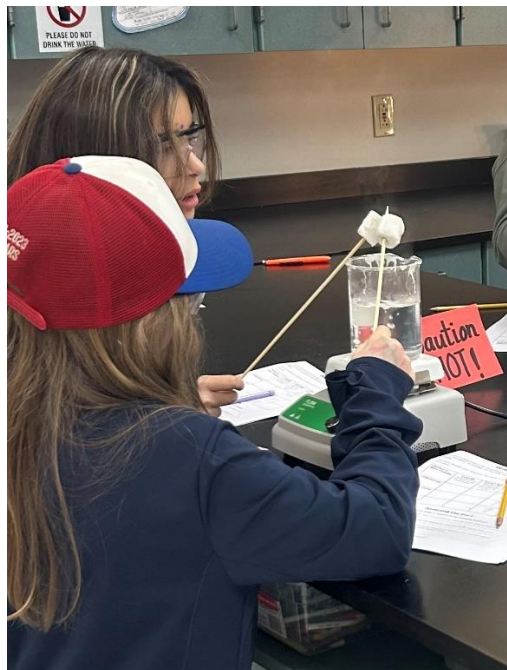
Tom Ronning
Principal

Sixth Grade Language Arts:

6th grade ELA has begun our unit on "The Boy Who Harnessed the Wind" by William Kamkwamba. This award-winning novel deals with themes of curiosity, survival, and rejuvenation. In this unit, students will do cross-disciplinary lessons with science.

Sixth Grade Science:

Mrs. McGrath's 6th grade Science class is continuing to learn about thermal energy. They had fun roasting marshmallows using conduction, radiation and convection. Designing a cup system of their own will be the culminating project.



Sixth Grade Math:

The sixth grade has been working to understand rational numbers. They have been graphing and comparing integers on a number line, comparing integers with inequality symbols, and ordering integers from least to greatest. As the unit continues, students will learn to plot ordered pairs on the coordinate plane and reflect those points into a different quadrant.

Seventh Grade Math:

Students have been working on the difference between radius and diameter of a circle. They have reviewed how Pi is the ratio of a circle's circumference to its diameter. We have started working on finding the perimeter of composite shapes and using strategies to find missing side lengths.

Seventh Grade Language Arts:

The seventh graders have been doing a lot of great writing. They just finished writing the "Patriot's Pen" essay sponsored by the VFW. The prompt was, "My Voice in American Democracy." The other writing assignment was a story focusing on the proper punctuation of dialogue. The stories had a range of plots and themes and were very creative. The students are

now reading the classic novel, *A Christmas Carol*, by Charles Dickens. They will be writing scripts and performing the staves at the end of the unit.

Seventh Grade Science:

In 7th Grade, students recently finished one unit, and are moving on to another. While September and October saw us learning about Chemical Reactions & Matter Transformations, November and December will involve learning about Energy and how it relates to Chemical Reactions. We will be observing Meals, Ready to Eat (MREs) in class, as well as discussing how they can help people in emergency situations. This will lead us deeper into topics of Engineering, as we think about what makes a successful heat source and what chemical reactions produce or take in heat.

Seventh Grade Social Studies:

In Ms. Norton's 7th grade social studies classes, students have begun their new chapter with a "Create a Culture" Project. For this project, students will be working in groups to create a unique culture which applies the concepts of human geography, including where people live, why they move, and how their cultures impact one another. Students will draw random circumstances for each element of culture and apply the information to your uniquely created countries.

Eighth Grade Language Arts:

The eighth graders wrote some great essays for the Patriot's Pen prompt from the VFW. The prompt was, "My Voice in American Democracy."

The students are now reading *The Hatchet*, a book of survival and perseverance, set in the Canadian Wilderness. The students will be keeping their own journals about Brian's actions, his mindset and experiences and how they would handle that situation.

Eighth Grade Math:

The eighth grade has been working on finding the volume of solid geometric shapes. Currently, students have learned to use the formulas for the volume of a cylinder and cone. They have also used these formulas to work backwards from a given volume to find the height or radius of a cylinder or cone. Students will continue by learning to find the volume of a sphere as well as finding the surface area of other geometric shapes.

Eighth Grade Science:

Mrs. McGrath's 8th grade Science class is still learning about soundwaves. They continue to differentiate between amplitude and frequency.

Eighth Grade Science:

In 8th Grade, students are also moving on to a new unit. We recently finished learning about Contact Forces, and will be learning about Sound Waves next. We started by observing how the sound system in a vehicle can make windows of nearby buildings move. We will continue by observing, gathering data about, and discussing how movement of different objects can change different qualities of the sound that they make.

Eighth Grade Math:

Students have been working with volume in 8th grade math. Working with Spheres, Cylinders, and Cones students have done a variety of activities and have used their knowledge from solving

equations to help them find different dimensions of the 3 shapes. The first week of November students will take their knowledge and spend a class period finding the volume of physical objects.

Honors Algebra 1:

We are finishing up our unit on solving all different types of equations. After this unit we will be looking at functions and lines, expanding our view of what an equation can do and represent.

Spanish:

7th grade Spanish has learned how to say the alphabet, Jack Hartmann's Spanish Letter Sounds is their favorite version and most can sing along to it. We are learning the numbers up to 100 and how to tell time. Next up students will learn about animals and colors.

Library News:

In Library Skills, middle school students have learned about real-world applications of the internet. Students learned about the benefits of using school databases and the importance of citing sources, but they have also studied how to evaluate websites. The class explored aspects to look out for when searching the internet, such as who wrote an article and why, and what organization is behind the website. Students will be able to think critically about what they see online!

Additionally, the senior class has utilized the library for research. They learned more about using databases and citing sources efficiently, and they were taught how to better use the library catalog. Seniors found books for their senior projects, and they are making progress with their research!

Title I:

Our Title I program for our Middle School is off to a great start. WLC was given the funding to run the program once again. Title I allows us to provide extra resources, staff, and programs to help every child succeed. This support is part of our commitment to closing the achievement gap and helping students reach their full potential.

Middle School Spanish:

7th grade Spanish students finished out their exploration of Spanish with a visit from our Spanish exchange student. They were able to ask her questions in Spanish (& English) and find out about the differences between school in Spain and Wilton.

Industrial Arts:

The industrial arts classes have wrapped up the quarter with impressive building skills and creativity. In **Tech Ed**, students completed a bridge-building challenge where they constructed bridges to specific dimensions, ensuring they could hold 20 lbs of weight. It was a great test of their design and engineering abilities!



Art News:



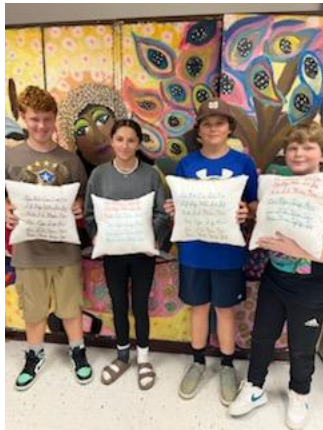
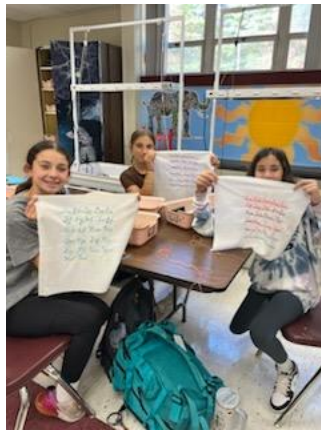
6th grade cultural studies students ended the quarter on a high note with their *Explorer Journals*, showcasing their self-directed research on Latin American symbols and their meanings. These discoveries inspired a range of creative projects, including watercolor paintings, wood-burned castanet instruments, and a collaborative t-shirt design. Anyone can print this design on their own t-shirt by bringing it to the WLC during Art Club on Mondays from 2:45 to 4:15 PM. Fantastic work, explorers!



6th grade art students wrapped up the quarter by showcasing some of their favorite artworks—creations that emerged from their dedication and understanding that often, the process of making something beautiful involves breaking things down first. They drew on the "Studio Habits of Mind" framework from Harvard research, along with their knowledge of art elements and design principles, to explore meaningful connections through abstraction.

Family & Consumer Science:

In FACS Grade Seven we have been making cursive writing samplers and they came out pretty nice. We have also been cooking. One of their favorites was dirt cups.



HIGH SCHOOL



9th Grade World Literature:

Students have dived deep into reading and learning about Homer's epic poem *The Odyssey*. It's been a joy to teach and see student's enthusiasm for learning about epic heroes, the Hero's Journey, and how they can equate Odysseus' experiences to their own lives.

American Literature: Grade 10:

Students have just completed their own creation myth comic strips after our lessons on Native American Myths. Students are now exploring the immigration boom of the 18-1900's through first-hand accounts and articles. As we go farther into this unit, students will be writing their own personal narratives.

Say it and Debate it!:

Students are progressing through their speech unit. Students have explored the six main types of speeches through various forms, and have also written a few of their own. Students will wrap up their speech unit by writing and presenting a speech of their choosing.

Into the Unknown:

Students are exploring how authors and their characters show mental illness/madness through short stories. They have explored authors like Edgar Allan Poe and F. Scott Fitzgerald, and will

explore Arthur Conan Doyle and Robert Louis Stevenson. At the end of the unit, students will be creating unreliable narrators in their own short stories.

Horror A-Z:

Students are writing their first creative short story! They have learned about tropes, themes and common characters in psychological horror and will now take those aspects and create their own story.

British Literature and Honors British Literature - Grade 11:

The 11th graders are in the middle of their Medieval Literature unit. They just got done reading The Canterbury Tales and are about to read short stories about King Arthur. Next up they will make their own oath about a hobby of theirs.

Creative Writing:

Lately, students in Creative Writing have been writing their own poetry, especially poetry inspired by nature and the seasons. During the week of Halloween, we even spent some time writing poetry with spooky or scary elements while taking inspiration from the works of Edgar Allan Poe, Sylvia Plath, and Emily Dickinson. It's been a joy listening to what they have come up with!

Yearbook/Journalism:

Seniors on the yearbook staff have been hard at work designing and laying out pages for this year's yearbook!

The link for ordering the 2025 yearbook is now live! [Order yours today!](#)

If you'd like to share photos with our yearbook staff to possibly include in the yearbook, [please share them using this Photo Share link!](#)

PARENTS OF SENIORS: You can also use this link to submit senior photos. Please note that the deadline to submit senior photos is **January 10, 2025**. This will give our staff enough time to add portraits to the yearbook before the next round of pages are sent to be printed.

College Composition 101:

Students are handing in their compare and contrast essays. Next week we will be working on all things related to applying to college as Apply NH day is Tuesday 11/12.

Into to Psychology:

In this class, we have just completed our in-depth study of how research is conducted and how statistics can be used to further the study of psychology. Currently, students are learning how each part of the human brain impacts behavior, decision making, and informational/sensory processing. To do this, students are researching the brain and connecting each part's function to a person or character of their choice-- the kids are REALLY engaged and excited about this project! After we wrap this project up, we will be moving onto how our senses and perception impact our psychology.

History of Disease and Medicine:

For this elective, we have wrapped up our study of ancient and early historical practices, during which students selected 2 societies to compare and contrast. They examined theories of disease, common treatments, famous people in the medical field, and the lasting impact these things had on modern medicine. The kids then had to determine which society was the best at diagnosing and treating medical conditions and defend their choice in a presentation. We also completed an in-depth study on the Black Death, where students were asked to answer a writing prompt using only primary sources from the time period. We have since moved on to focus on the Scientific Revolution's impact on modern medicine.

World History (Grade 9):

We have wrapped up our study of non-European empires before the Middle Ages, which included the Mongol Empire, the Golden Age of Islam, and Early African Trade Kingdoms. We have spent the last couple of weeks learning about Medieval Europe and the empires within that region. Students will be presenting their research on a variety of topics including but not limited to the Byzantine Empire, Charlemagne, and the Crusades on Oct. 30, 2024. After we wrap up the Middle Ages, this class will be moving onto the European Renaissance.

10th Grade US History:

Students have just begun the second unit of the class, which focuses on three themes of the late 1800s and early 1900s: Industrialization, immigration and urbanization. Students began this unit by playing the “American Town Game” simulation, which takes students on a journey from a small village in colonial America to a modern city. In this unit students will focus on how those three themes helped develop the American economy and culture. Students will continue to develop their reading and writing skills through primary source analysis and argumentative writing.

11th Grade US Government and Economics:

Students have begun our deep dive of the US Constitution. We began this unit by examining the weaknesses the founding fathers identified in the Articles of Confederation that led them to draft the US Constitution. Students are working on an analysis project of the Amendments to the Constitution to help develop an understanding of how the role and relationship of citizens and government has developed overtime. Up next, students will learn about the legislative process by drafting their own bills.

Algebra 1:

The algebra 1 class has finished the unit on solving equations, from formulas to multi-step equations. Now, we will start our unit on lines and begin graphing, finding intercepts, and applying these functions to real-world applications.

Algebra 1:

We had the chance to learn about mathematicians responsible for creating Algebra. They looked up mathematicians like Zhang Heng, Wang Xiaotong, Maggie Cheng, Plato, Al-Khwarizmi, and Archimedes!

Geometry:

We had the chance to learn about mathematicians responsible for creating Geometry. They looked up mathematicians like Euclid, Liu Hui, Archimedes, Hipatia, and Shing-Shen Chern. We also had the chance to make tessellation patterns!

**Geometry/Honors Geometry:**

The geometry class has started looking into the building blocks of polygons: lines. We will be proving properties of parallel lines and transversals, and using them to solve algebraic equations. Once we master these, we can begin the most exciting polygon of them all: triangles.

Calculus:

The students in Calculus are finishing up their unit on Basic Derivative rules and will be taking a test next week. Calculus is one of the most important inventions that paved the way to building our modern world. It's amazing to see how knowledge that was once accessible only to the most advanced scientists and mathematicians in the world is now accessible to teenagers!

Statistics:

The statistics class is finishing up their unit on 2-variable analysis, involving scatter plots and linear regression. We will now begin the best part of statistics: probability, from simple probability and counting to combinatorics.

Stock Market:

We are currently looking up famous investors. We have talked about, Benjamin Graham, Warren Buffet, Burton G. Malkiel, Cathie Wood, Bill Ackman, and Peter Lynch! Students are still trading as well!

Quantitative Reasoning:

The quantitative reasoning class has finished their unit on functions, and will now expand into a common occurrence when it comes to data collection: scatter plots and linear regression. We will use what we know about lines to estimate data trends and make broad conclusions.

Consumer Math:

We recently have been talking about our dream jobs, what type of education we'd need for those jobs, and what to do if we need to get a loan. We were able to look up scholarships outside of WLC that the students could apply for. They found one scholarship where you can be rewarded \$2,000 for being tall!

HS Life Sciences:

On October 25th students participated in the UNH Stem-Mobile program. Students were introduced to the principles of cell culture and applications. Using sodium alginate and calcium chloride students made hydrogels which mimic the insides of a cell. Students also discussed bio-fabrication and how Manchester, NH is the “hub” for this upcoming field of science.



9th Grade Biology:

Students are currently investigating the relationship between macromolecules, energy and metabolism. As the current unit progresses students will be investigating the limiting factors that impact the species within an ecosystem.

Honors Anatomy & Physiology:

Students have just completed a unit about the heart. Students investigated and completed activities about blood pressure, the cardiac cycle, and the electrical conduction system of the heart. Thanks to our nurse Cathleen Bertoncini for showing the students how to measure someone's blood pressure. The next unit is about the Integumentary system where students will be investigating the anatomy and physiology of the skin.

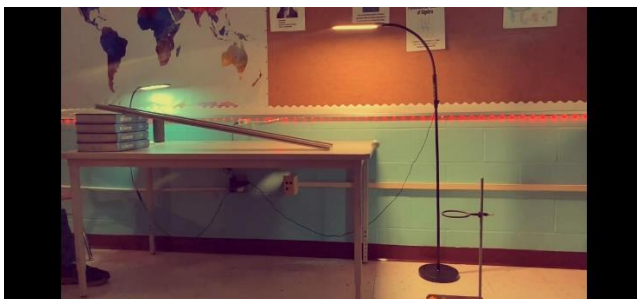


AP Biology:

Students have just completed Unit 2: Cell Structure and Function. We are now ready to tackle Unit 3: Cellular Energetics where students will investigate the structure and function of enzymes and how they contribute to the regulation of biological processes. In this unit we will study the process of photosynthesis and cellular respiration.

Physics:

In Physics the students completed an experiment where they rolled a ball off of a table -- and based only on the measured speed of the ball and the height of the table, they had to predict where to place a hoop so that it would go through it. They only had one shot -- and they couldn't do any test runs to watch the trajectory of the ball -- and they nailed it!





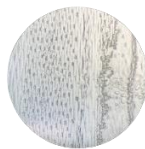
Intro to Geology:

The students have been learning about plate tectonics and volcanism. They modeled igneous processes using wax candles, sand, water and a hot plate, modeled continental drift and convection using pie plates and learned the ins and outs of the forces and motions that shape Earth. **10th grade Integrated Science** students are continuing their long term data collection project growing popcorn plants in the greenhouse. They collect their plant height daily and recently began testing their soil pH and making modifications based on published ideal pH values for corn growing. This week they made slides of a piece of a leaf of one of their plants to calculate the density of stomata cells. Stomata cells (photo under microscope attached) are where the gas exchanges happen during photosynthesis. The more stomata cells, the more our plants are filtering our air and providing oxygen. Students will use this knowledge as we continue to explore the origins of early life on earth and the creation of earth's atmosphere.

Chemistry:

The students took a break from learning about the subatomic particles in the atom to conduct some Halloween science experiments and practice scientific sketching particle diagrams. Students observed a chemoluminene experiment that created a solution that looked like the minecraft potion, created a genie in a bottle (video link below), flying tea bag ghosts and made several attempts at elephant toothpaste which failed miserably.

<https://youtube.com/shorts/RlFDtOIb4QA>



Music Department:

Fall Showcase: our first showcase of the year was so exciting! We had a lot of different performances this year from dancing to singing and even cup stacking! At this event we announced our Spring Musical which will be The Little Mermaid!

Band and Chorus: our musicians are working hard getting back into our routines. High School chorus in particular is working on some challenging music as they prepare for the Veterans Day Assembly as well as a music festival that will take place in January. Both middle and high school musicians will be performing a concert on December 12th at 6pm in the WLC cafeteria.

Drama Club: Drama Club is off to a great start as we have already finished blocking our play called “Puffs”. This is a very funny take on Harry Potter only this time, it is told from the point of view of the Hufflepuffs. Our shows will be November 21st and 22nd, both starting at 6pm. Get ready for some magic!

Photography and Maker Space:

In Makerspace and Photography, students have been working on designing their own iconic album covers. It’s been exciting to watch as they merge creativity with technical skills, incorporating what they've learned in Photoshop to bring their imaginative concepts to life. The creativity and craftsmanship shown by all students has been amazing to watch unfold.

Spanish:

High School Spanish 1 and 2 students are finishing their current units on school life and school adventures, respectively. Next up is friends and family relationships for both classes.

Family & Consumer Science:

For the Love of Leftovers

This class is a combination of cooking and recycling. These stools were given to us by community members. Then there is our signature spaghetti bread..... And many thanks to Jonathan Crotty for your cinnamon roll recipe. We are still using it.....





Art News:

The high school drawing class is pushing creative boundaries and developing new techniques for an exciting commercial art project—creating sheep-themed artwork for local farmer Ben Scalise and the Scalise Family Sheep Farm! A few weeks ago, students visited the farm on a field trip to observe the sheep in their natural environment, sketch on location, and take reference photos to continue their studies back in the classroom. They're experimenting with a variety of media, including graphite pencil, monotype transfers, and digital painting. Stay tuned for the final artwork—it's going to be fantastic!



High school students in 3D Art have been diving deep into exploring meaning through various

materials! We're incredibly fortunate to have Patricia Belt—a talented local ceramic artist and retired public school art teacher—joining us on Thursdays during extended class blocks to share her expertise. Under Patsy's guidance, students are learning diverse techniques that challenge and expand their creative problem-solving skills in this complex and sometimes unpredictable medium. Thank you, Patsy!



Physical Education & Health:

Currently within HS Physical Education classes we have been in a Wiffle Ball / Weight Training Unit where we have worked on skills such as striking with a long handed implement alongside game knowledge and relevant throwing and catching skills. In Weight Training students have been using workout logs to track progress and using sets x reps to track their workouts. In MS PE we have finished our Volleyball Unit and now have been in a Basketball Unit working on shooting and passing skills. In Health we just wrapped up our Mental Health Unit with a Mental Disorders Project as students researched different Mental Disorders they wanted to learn more about. We just started our Alcohol, Drugs, and Tobacco Unit as we learn about the short and long term effects of substance abuse.

Senior Project:

In Senior Project, the students should have just finished their Sub-Essential Questions. At this point, they should have a clear idea of what they need to research, and what their Applied Piece is going to be. Now it's time to just do it! With all of the time we have in WIN this year, we're expecting the best batch of presentations we've ever seen at this year's Senior Project Extravaganza, which is scheduled for May 15th.

Special Education:

The Special Education team celebrated National Down Syndrome Awareness Month. It is a time to celebrate people with Down syndrome and make others aware of their abilities and accomplishments. Down syndrome (also known as Trisomy 21) is a condition in which a person has an extra chromosome. "An extra chromosome means extra love."



School Counseling:

WLC had college representatives from the following colleges visit; St Anselm's, UNH, Colby Sawyer and Empire Beauty School - Students were invited to the school counseling office to meet with representatives, gain knowledge of the colleges/schools and ask questions.

The PSAT was administered to all students in grade 11 on October 16th

Thursday, October 17th all juniors, seniors and their parents were invited to attend "Applying to College" and "Financial Aid 101" evening program

The WLC Career Expo was held Friday, October 18th. Parents of students signed up to visit WLC and provide an overview of their jobs/careers;

Donald Cole, Firefighter, Town of Windham

Geoffrey Allen, Military/Marketing

Olivia Siekman, Police Officer, Town of Wilton

Jon Lavoie, Optics Manufacturing and Sales

Kyle DuBreuil, Television News Investigative Photographer/video editor

Jen Hanks, IT Program Manager

Amy Ansaldo, Registered Dietitian
Brianne Lavallee, Nurse
Jenny Lord, Dentist, Dental hygienist and Dental assistant
Taylor Bossie, Locksmith and Marine Corps Veteran
Patrick Kenney, Forester
Chris Litchfield, Sheet Metal Fabrication
Adam Lavallee, Logistics and Supply Chain Contract and Spend Management and Software Development
Craig Alley, Global Supply Chain Management and Mining/Chemical
Amelia Volz, Fidelity Investments

Presenters were broken up into groups of three and rotated through five grade-specific rooms (6th -12th) where they spoke about their jobs, and experiences. Students were attentive throughout the presentations and asked great questions!

A big THANK YOU to all of the parents that participated!

Unity Day was acknowledged on October 23rd. All students and staff wore orange to unite for kindness, acceptance and inclusion to prevent students being bullied. A school wide picture was taken of all students in the Gym.

A representative from St. Paul's Advanced Studies Program met with students on October 29th to discuss their summer program.

Annual Pumpkin Lobotomy was held on October 30th

Red Ribbon Week was held the last week of October. **Red Ribbon Week** highlights the importance of living a drug-free life. Students enjoyed dressing up for theme days to get the message out!

Warrior Postcards

The families of the following students have received a postcard in the month of October

Saige Peckens	MJ Prue*	Eliza Searles
Andie White	Jaelyn Brown	Charlie Hadley
Ebben Drew-Mochrie	Madison Clough	Caiden Lambert
Zoe Goodwin*	Avery Kimball*	Avery Niquette*
Matt Caragher	Camden Jones	Cadence Hazelton*
Connor Allen*	Stephen Goodie	Arayena Kansaker
Lillyn Drake	Jason Benn*	Amaya Adair*
Cole Lavallee	Kayla Kushner*	Jasper Byrne
Abram Peters	Grayson Riendeau	Jayden Corron
Mia Gorman	Cailin Swett	Jack Bennett
Nathan Gill	Brooke Hadley*	Isaac Roy
Logan Litchfield	Jason Carter	Trinity Hilton
Dominic Cestarich	Leila Bossie	Carly Robichaud*
Tommy Lingley	Luke Morgan*	Ryker Indeglia

Noah King
Sebastian Lindgren
Tyler Ouellette
Travis Robichaud
Lilly Wrobel
Noah Jaffe
Sam Fish
McKenna Crouse
Francesca Ansaldo
Brianna Linehan
Thomas Tharpe
Declan DuBriel
Maddy Hanks
Callie Gauthier
Taylor Cole
Isabel McKown
Isabella Green
Kevin Lachance
Bella Jaffe
Alexa Javier
Ava White
Camden Jones
Avian Benson

Esme Howe
Henry Alley
Keira Beam
Kayden Brouillard
Maria Ramirez
Savannah Brown
Caleb Gauthier
Spencer Jacques
Vinny Anzalone
Eliza Searles
Branson Gordon
Jordyn Jentz
Abby Hall
Madi Smith
Olivia Hussey
Cassadee O'Grady
Ezzy Zapparoli
Molly Meehan
Ben Hamilton
Damian Demanche
Josh Lord*
Wil O'Toole
Horatio Green

Leighton Fish
Teddy Alley*
Paisley Silva
Kasey Rondeau
Jackson Galzarano
Natalia Faye
Dylan Ospina
Evan Crotty
Sean Bickerton
Austin Bradbury
Colby Kenney
Parker Smith
Gabby Abasciano
Delaney Dowling
Aynsley Potter
Arianna Corron
Jodi Gibson
Jonathan Herrera
Aidan Sours
Owen Pearsall
Matthew Hannigan
Nate Gill
Cianna Peckens

*Received more than one Warrior Postcard

News from Athletics:

Ms. Brewster has been sending weekly communications and we do not have anything new to share. Please watch your email for her separate newsletters.