

# Shapleigh Shark News

## 5th Grade Sweet Science

The 5th grade had a blast putting their new understanding of energy and phase changes to use by making ice cream in science classes! They engaged in the engineering process by exploring (and tasting) what other recipes suggested, imagining creative ways to improve the process, and then planning, creating, and improving upon their own recipe. Of course, there was a lot of sampling as a way to collect data and provide effective feedback. Students learned a lot about following a process and measuring carefully. They bravely tried new ideas, which did not always turn out how they imagined. But learning from their unsuccessful attempts was an important part of the process! In the end, there were many successful batches of ice cream made. Some of the wonderfully unique flavors included Peppermint Explosion, Chocolate Pretzel, Starburst Surprise, and A Monkey's Dream. What a fun series of science classes the 5th graders had!



## Civil Rights Team



The 7th and 8th grade Civil Rights Team completed a poster campaign to create posters reminding students that Shapleigh welcomes all students of different race and skin colors, gender (including gender identity and expression), sexual orientations, national origin and ancestry, religions, and disabilities. The posters are meant to be colorful, eye catching reminders to treat all students with respect and kindness. The team also released a survey to all 7th and 8th graders to get input on areas where they have observed concerns surrounding Civil Rights at Shapleigh. They will use the results of this survey to plan upcoming events.

## Nature Walk

Our 6th Grade students made creatures that will be displayed on the trails for the Brave Boat Headwaters Hike, Ski, or Snowshoe Event! The event will be held this Saturday, February 3rd from 10am - 2pm. Invite your family and friends to enjoy some outdoor winter fun! Explore the beautiful trails, join White Pine Programs in wildlife tracking, learn how to identify trees in winter, and seek creatures made by our 6th Grade students hidden in the woods! Snowshoes will also be available for families to try out! Directions: Brave Boat Harbor Rd. (Rte. 103), between mailboxes 188 and 190 across from Salt Marsh Lane. Parking lot on left heading north.

## Respect & Kindness

This month the 4th grade students explored and discussed issues related to fairness. Each class was divided into two groups; one group received new pencils and special privileges. As a whole class, the

students discussed how it felt to be, or not be, in the “favored group”. The discussion led to a deepening in their understanding that fairness is the act of doing things that treat all people equally and with respect. The discussion was then connected to Martin Luther King Jr. and honoring him for his key role in leading the Civil Rights Movement. The 5th graders reviewed various types of bullying and learned the four steps involved in being an upstander when bullying is happening (Be a buddy, Interrupt the bully, Speak out, Tell someone). They then had the chance to write and perform skits demonstrating the use of the four steps. Lastly, to inspire the students to speak out and against bullying, especially as it relates to race and skin color, national origin and ancestry, sexual orientation, religion, disabilities, gender (including gender identity and expression), the students heard and discussed Martin Luther King Jr.’s quote, “In the end, we will remember not the words of our enemies, but the silence of our friends.”



## Shapleigh’s Tower Garden

Shapleigh School has a new way to grow food for the salad bar. We are proud to be the new home to a “Tower Garden.” This vertical plant-growing tower is a simple yet high-tech system to grow plants without soil. Using water mixed with nutrients, the tower pumps this mixture which then rains down on the plants’ roots, growing food more quickly than regular gardening.

The Tower Garden uses simple technology called aeroponics, but may be better described as hydroponics. Hydroponic growing is different from regular gardening in that it does not use soil, but uses another material to hold the roots, and it also continuously cycles water with nutrients past those roots.

The benefits of aeroponic or hydroponic growing are many. According to the company that sells The Tower Garden, growing food this way can benefit the environment more than regular gardening.

The Tower Garden:

- Increases crop yield by an average of 30%
- Plants grow up to three times faster
- Uses as much as 98% less water
- Uses 90% less space than a traditional garden



## 5TH GRADE MENU MATH

Be on the lookout for the menu created by Mr. Bennington’s fifth grade class. Students worked with Mrs. Collins developing recipe ideas and using their math skills to ensure the meal meets the stringent USDA guidelines.

The menu week they planned will be served February 12-16.

Monday: Tayla’s Wacky Waffle Bar

Tuesday: Zappy Wrappy by Abby

Wednesday: Garfield Lasagna by Page

Thursday: Fiesta Frenzy by Darius

Friday: Paddington’s Meatball Calzone by Keira.

## Music Notes

Congratulations to the students from Shapleigh who were selected for the 7th and 8th grade York County Honors Music Festival! This festival showcases the best of the best students from band and chorus programs throughout York County. Selected students will gather Friday, February 2nd for a two hour rehearsal at Saco Middle School and then reconvene the following morning with guest conductors at Bonny Eagle Middle School in Buxton

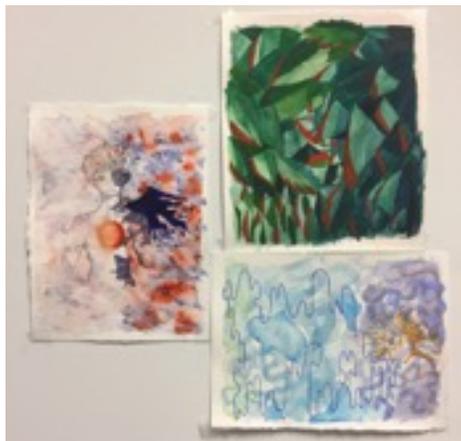
for a day of rehearsals culminating with a spectacular concert open to the public at 3:30 p.m. The students from Shapleigh have been working very hard on their music and are excited to be attending. We are very proud of them! The following students will be attending from our school:

Band: Gabriela M., Emma W., Aubrie M., Noelle D., Tyler H.

Chorus: Maddie P., Kiarra R., Bowman R., Alexis W., Lily W.

## 8th Grade Literacy

Our 8th-grade students kicked off the 2018 year by presenting summative projects to show what they learned during our *Lord of the Flies* unit! Projects varied based on students' interests and included many fun and creative choices. Some students chose to write an alternative ending to the story, while others imagined and wrote a creative story about a chosen character, ten years after the plane crash. Other students created pieces of artwork, skits, t-shirts to promote the novel, and scrapbooks to represent characters' experiences on the island. To



complete the project, all students prepared a short presentation to explain their project and the thought and learning behind each choice.

## Box Tops!

Thank you for sending in your box tops! Please keep clipping! Box top proceeds help fund field trips and hands-on activities that aren't included in the budget.

## 5th Grade WONDER Art

After attending the 5th Grade field trip to see *Wonder* back in December, students created beautiful drawings and postcards inspired by the book and movie. Students practiced accurately quoting text through the selection of personal precepts just like the fifth grade students in "Wonder". They also created self portraits inspired by the artwork from the novel!



## 4th Grade Mad Science!

4th Graders had a visit from Mad Science of Maine. They came to kick off their Science unit on Waves and presented "Good Vibrations." The presentation introduced students to the physics of sound transmission and creation. Concepts like vibration (pitch), sound waves and the transmission of sound



waves through a liquid, solid, gas and even a vacuum. Students (and teachers!) had so much fun participating in this program.

## Important Dates

2/3: Brave Boat Headwaters Event

2/7: Early Release Day

2/19-2/23: February Vacation