



GSB NEWSLETTER STREAMS

Nov/Dec 2020

SUSTAINABILITY • TECHNOLOGY • RESEARCH • ENGINEERING • AGRICULTURE • MATH • SERVICE

Welcome to the STREAMS Newsletter!

As our campus changes through the seasons, our students are exploring it all!

Reminders

- With the weather getting cooler, please send the students with hats, gloves, winter coats, and layers. They should have warm socks to wear with their boots. We still explore campus in the winter months!
- Please check your child's Science Knightsite page for the STREAMS parent presentation video!
- Important Dates:
 - **December 18th**: Start of Winter break – Have a wonderful break and Happy New Year! See you in 2021!

Home Winds Updates

It is breeding season at Home Winds. The Ram and Buck went in with the Ewes and Does September 1st, and the Ewes and Does are now pregnant, which is exciting. We are expecting the lambs and kids in late January through early March. The question is just how many we will get, as a



number of them could have twins or even triplets! So late winter will be a busy time.

The Bull went in with the cows on December 1st, so we should expect our first calves next fall,

starting in early September. We sold 10 cattle that reached market weight, so now we have 30

remaining for over the winter, 10 cow-calf pairs and 10 yearlings.



The ground is frozen, so the garden is officially asleep for the winter. We had some brassicas and other frost-

tolerant plants continuing to grow until December, which will inform our planting and harvesting next year. Our earliest growth in the spring will likely be



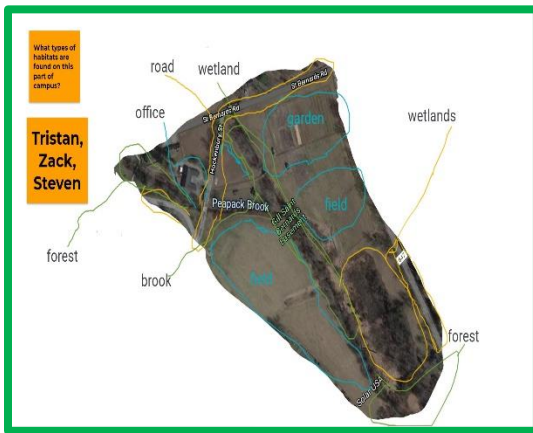
some garlic that we planted. We have harvested about 35 pounds of rye seed from the annual rye planted in 2019. We have some plants with seed heads still on them, and some unthreshed seed heads, and are

hoping to show the students how to ground flour and bake bread with it, so they can see the process from start to finish. Otherwise now is a time for planning our 2021 season. We hope to make it a strong one!

If you are interested in purchasing Home Winds products including: eggs, honey, and beef - go to the [Home Winds Page](#) for more information.

Fourth Grade

Fourth graders are focusing on the land that surrounds us. We analyzed and interpreted volcano



data to help us answer the question "could we have a volcano in New Jersey?" Students added volcano

locations to a map and identified a pattern of eruptions around the Pacific Ocean. We determined that volcanoes are not a natural hazard for us, but we identified rock evidence that volcanoes may have been here in the distant past.

Gratitude is another core routine. We watched a video from the Haudenosaunee Nation that explains the importance of their Thanksgiving Address (you can watch [HERE](#)) and read through it together (you can read it [HERE](#)). We created our own address, called Giving Thanks (you can view [HERE](#)), which was part of our town meeting before the Thanksgiving holiday. We also discussed the history of the land. We recognize and acknowledge that Gill St. Bernard's School is on the traditional land of the Lenape Peoples, known as Lenapehoking, and we honor with gratitude the land itself and the people who once lived here who stewarded the land before us. We are reminded that we need to be the stewards for ourselves and future generations.

Fifth Grade

Our STREAMS season has slowed down as the cold weather has arrived. The students worked with *Nature Connections* and observed the dramatic changes throughout the seasons. The students have increasingly improved their observations skills by looking at changes in color, and the different organisms present on our campus. The students also visited the farm to see how the farm operations

and its animals are getting ready for winter!



Sixth Grade

Sixth graders started to transition to the colder weather. They completed an up-close study of a tree and its leaves, sketching the features of the bark, and the shape of the leaves. They understand these features can be used to identify a tree in the winter.

We referenced *Nature Connections* to make observations of our campus throughout the changing months and seasons. When we return from December break, we will learn about our local birds and build feeders to track our local bird population for Project FeederWatch at Cornell University's Lab of Ornithology.



Our rainbow trout continue to grow in their tank. They are now swimming and eating the first level of food for young trout. We look forward to watching them grow and releasing them in the spring.

