



The Prudence Wave

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Mystery Diagnosis: Island Oak Trees

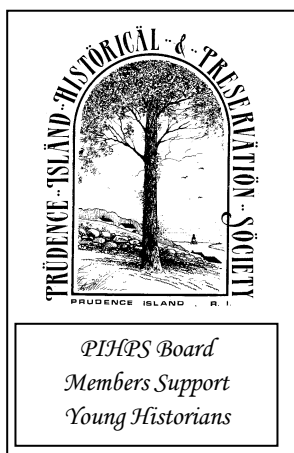
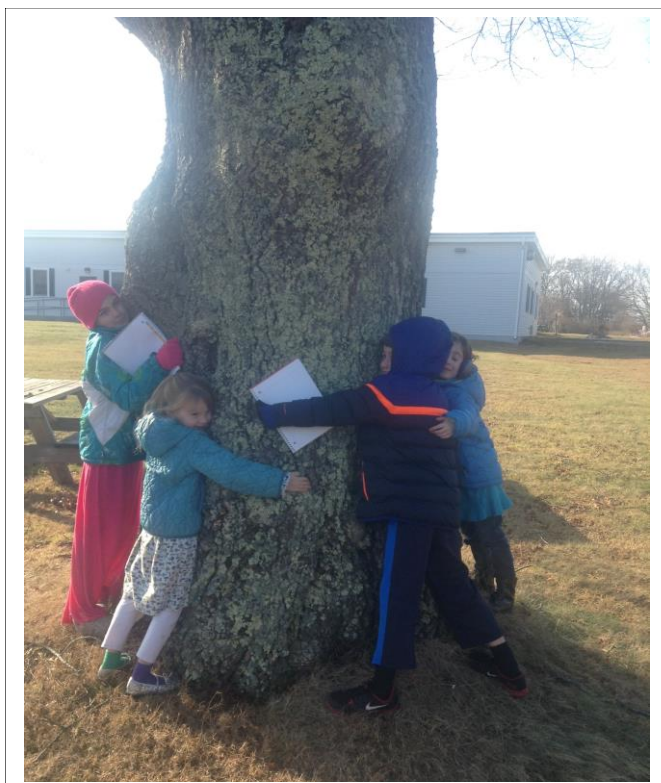
By Meg, PISF Senior

Recently, oak trees across the Island (particularly around Homestead Plat) have developed a shaggy and uneven look. Their leaves grow in patches and away from the ends of the branches. All spring and summer, oak trees have been looking less and less happy. As many have heard, the reason for this is a Cynipid Wasp.

Also known as the Crypt Gall Wasp, this tiny, sesame seed-sized bug lays her eggs in the new growth branches of oak trees. Here, the little grub-like larvae grow in the tender twigs at the outskirts of the tree. They block any nutrients or water from getting to the new growth and keep leaves from growing in the spring, which is catastrophic to the trees health. Leaves are a vital part of a tree; they collect sunlight and convert it to food for the tree in a process called photosynthesis. By keeping the leaves from growing, the crypt gall wasp larvae weaken the tree and leave it susceptible to malnutrition and disease.

Signs that your tree is infected are pretty obvious. If you look at the tree line in winter, you will notice that the outer branches have little knobs in them. This is where the eggs were laid. If you find any branches on the ground, look very closely at the bark. Do you see any tiny pin-prick holes? This is where the wasps exited the tree as adults. Then when spring comes along, there will be bare patches on the tree from where the nutrients are blocked. If your tree shows any or all of these symptoms, it is very possible that it is infected with crypt gall wasp larvae.

See Oaks Continued on page 4



Flying Santa

By Memphis, PISF kindergartener

Flying Santa came Sunday December 8th to Prudence Island.

He landed with some random guy I don't know, near the light house. He was in a helicopter. Well it can fly. It was black. Some guy I don't know was driving the helicopter. It was freezing outside. It was a flying sleigh in a magic world. Santa told Raya a secret about not to tell his reindeer about the helicopter. Raya and Glenn and Vanessa and Marissa and Blake and Cam were there. He gave me a candy cane that I broke; Dad had it in his pocket. Shelby and I, just us, took a picture with the helicopter. We took lots of pictures. An elf that was a human was there. We said Happy Birthday to her. Santa's Elf is human. It just flew away.



Periwinkle Printing

Screenprinted Fashions



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New Year's Resolutions

By Aribella, PISF Kindergartener

1. You should exercise every day because it is fun and it is healthy for you.
2. Eat more healthy stuff because it makes you stronger. Eat celery, fruits, vegetables, meat, and drink milk.
3. You should be nice to people because it will make it so you have a good time and no one is hurting anyone.
4. You should make people laugh, like telling jokes and stuff. Laughing makes it so people aren't mad at each other and it makes you feel better.
5. Have fun! Play games, climb trees, feed the birds, look at clouds to see if they look like anything, watch a show, play with some toys, play in the snow, or go for a walk with friends.

This is the ways to make you feel better and be healthier to start your new year.



Cloud Gazing

A drawing by Aribella



**Prudence Island
Realty**

Fred Stevenson ABR CRS

401-965-0850

Made by the Bay Jewelry

Contact Susan Mazur at

401-450-5342

Made by sea glass found on Prudence

Oaks continued from page 1

While this is distressing, there is no cause for complete chaos and panic. There is hope for the oak trees yet! Only 30% of trees actually die from the effects of this maleficent wasp. While the others are weakened and sickly for a few seasons, they do prevail for the most part. It seems that the wasps will only remain at a single tree for 1-3 years. If less than 2/3 of the tree is infected, there is a good chance that with your help, it could live! One way you can help a tree that is infected is to water and fertilize it. Because the tree is starving from the lack of leaves, if you fertilize and give it water starting early in the spring, you can give it a helpful boost. This is kind of like giving someone who is sick Vitamin C. It is also really important that any fallen branches from the infected trees are burned to get rid of the larvae. Unfortunately pesticides and fungicides have proved to be completely ineffective.

Interestingly enough, studies have shown that trees in residential areas are more likely to be infected than those in the forest. Trees in yards quite often have lots of room to spread their branches and take in the sunlight. Because of this, they grow faster and bigger than trees that are squeezed together in the forest. Forest trees, if you haven't noticed, are tall and thin. They reach up for the sunlight instead of out like residential trees do. Because of this they grow slower and have less new growth. This makes them less appealing to the wasps than big, beautiful domestic trees. Before you ask, we did consider the option of planting other trees around infected trees, as a sort of offering. Perhaps the wasps will move on to those "sacrificial trees"? We decided that the wasps probably would not move on. After all, these new trees would be smaller and less appetizing. Besides, it's really kind of cruel if you think about it.

The only upside we have seen of these pests is that they are natives. It is comforting to know that this process is part of the circle of life. The wasps could be taking down old trees to make way for a new generation. While it isn't much, it's nice to look on the positive side of things.

On that note, I will mention that the school is conducting a survey for island trees. We will choose an area and decide how infected the sick trees are, if they can be salvaged, and inform residents so they can help. We hope to map how far the bugs have spread, and what the lasting damage will be. It is very possible that the wasps will move on in a few years, as has been their pattern of life. We ask that if you suspect a tree near your Island residence is infected, you not lose hope, but give the tree a fighting chance.



Photo to the left: Aribella looking on with dark fascination at the Crypt Gall Wasp larva that we found inside some fallen oak twigs

*Winter Moth Invasion*By Shelby, PISF 4th grader

Have you ever heard of the winter moth? Winter moths lay their eggs in the winter. They like maple trees because they eat the leaves. They can lay 100-200 eggs at a time. They lay their eggs in the bark. The moths come around Thanksgiving. They stay around when it isn't too hot or cold. In the early spring the caterpillars dig in to the buds of the leaves and start to eat. One tree can have about 150,000 bugs. Winter moths are eating the maple tree leaves near the Indian Springs area. When they were flying over Prudence they saw a lot of bare trees near Indian Springs. When the tree loses its leaves four years in a row it can die. I hope the moths don't go to other trees because the maple trees will die.

*The Secretes of the Mangrove Jungle:**A Fictional Piece based on the Topical Forest Biome*By Sam, PISF 5th grader

Once upon time there was a young boy 11 years old and his name is Tony Tok. This is how his adventure began.

Tony Tok is sleeping soundly in his bed, suddenly awakened to glass shattering, he swiftly shoots out of bed and runs out of his room. He gets his enchanted magic gloves and puts them on, and runs out the door into the warm tropical village of a mangrove jungle, on an island off of Japan. He turns a corner and standing right there are small ugly black creatures with nubs on their backs that look like wings that have fallen off. Tony raises his hands and fires out a glowing beam of light straight at the creatures and makes them stumble, but they run away shaking their fists and yelling at him in various languages. He runs on a path that is still wet from a past rain storm. As he's running, he notices small nimble monkeys jumping tree top to tree top. As he turns another corner he sees a towering golem made of dirt, stone, with grass on its head and shoulders. The golem looks at him and starts to charge. Tony quickly mumbles strange words to himself and he raises his hand and shoots a blinding light at the golem. As it hits the golem it absorbs into the beast and it explodes into a pile of rubble and ashes. As he battles through the night, the sun starts to emerge from the night sky. All the creatures start to retreat and from the distance he hears an ear splitting roar. He tries his best to ignore it so he can help the injured. A couple hours later the sound of the terrifying roar lingers in his mind and he is left trying to find out what it was, and where it is. He'll have to find out, but how?

Where is this??



Where is this located on Prudence Island? We will give you the answer in our February edition of The Prudence Wave.

The December “What is this?” was a the remains of an old livestock fence located on the beach along Narragansett Ave, right across from Edda Ave. It was used to divide the land and livestock of two separate farms on island.

(Our high school girls were pretending to be livestock in the picture last month.)

PISF Wish List

- Elementary music appreciation teacher
- Large stainless steel cooking pot
- Craft clay
- Cookie Sheets
- 15 Passenger Van
- Toilet paper and Paper Towels

Black Friday Madness on P9



Steve Shaw was ready to brave the crowds for the big savings at Marcy's Store on Black Friday!!



Alice and Wonderland Multimedia Project
By Julianna, PISF Freshman

The Next Best Invention since the Garden Gnome

By Julianna, PISF Freshman

Winter is approaching fast! How on Earth will we keep warm!? Two words, electric blanket. Today I'm here to write an article all about the invention of the electric blanket. This may not be the most eye-opening, enlightening topic in the history of the Wave, but you have to give us props for our creativity and originality. Today you will be reading shocking facts, and electrifying new concepts! Rather...they were new...at the time of the invention. Now they are quite common.

Before diving into the captivating, gripping story that is the electric blanket, let's do a quick back story on electricity's progression up to that stage. Of course, we've all heard of Benjamin Franklin, Thomas Edison, and the like. Yet, there is so much more to the story. The late 19th century was perhaps the most critical and successful point in time for electrical engineering. The discoveries in this period led to the second Industrial Revolution, turning electrical science into an essential tool for modern life. This, of course, is where the great, and certainly most important invention of the millennium, comes in (note the sarcasm), the electric blanket.

In 1912, the very first electric blanket was created by physician Sidney I. Russell. However, the device's name was deceiving. These early models of our covers now-a-days were in fact- an UNDER blanket. More like an electric mattress cover than anything. Other than the terrifying safety risks, and waking up with a suspicious golden tan, the electric blanket is the way to go, when there's a lot of snow.

New Years Festivities

By Raya, PISF third grader

New Year's Day is super exciting on Prudence Island because of crazy fun activities! The first activity is the first walk from Farnham Farm to Sandy Point. The walk starts at 10:00. The polar plunge is at noon right after the walk. Last year at the plunge Dan Jenness heated up his towels and put them in a casserole warmer. He has done the plunge five times and says when he was running out of the water he was thinking "bad idea, bad idea, bad idea". There was also a mime there that did the polar plunge in memory of his son. Sam is 95% sure he will do it, and a few others are questioning doing it, but we will see. Shortly after the polar plunge, drive right over to Farnham farm for a potluck. After dessert there is usually an amazing presentation by Joe Bains, but this year they are showing my movie called The Princess and the Pea! New Year's Day is always an eventful day on the island, doing exciting activities with friends. *Photo to the right: Dan and Jacob ready for The Plunge Last Year*

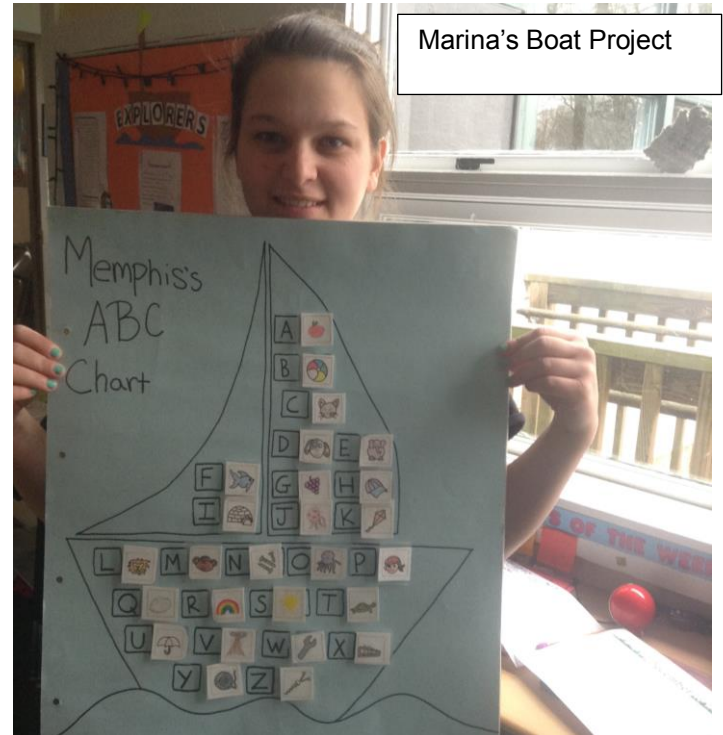


Early Childhood Education Class

By Marina, PISF junior

After exploring a possible career in being a detective I have decided to move onto smaller, better things. This year in school I am taking an early childhood education class. I think I know what I want to do after college - become an early childhood teacher. With help from Steph Jenness and my awesome teacher Jen Young, I have learned so much!! Each week I get to do an activity with Memphis that will help him learn what he's working on that week. This skill could be learning a new color, shape or number.

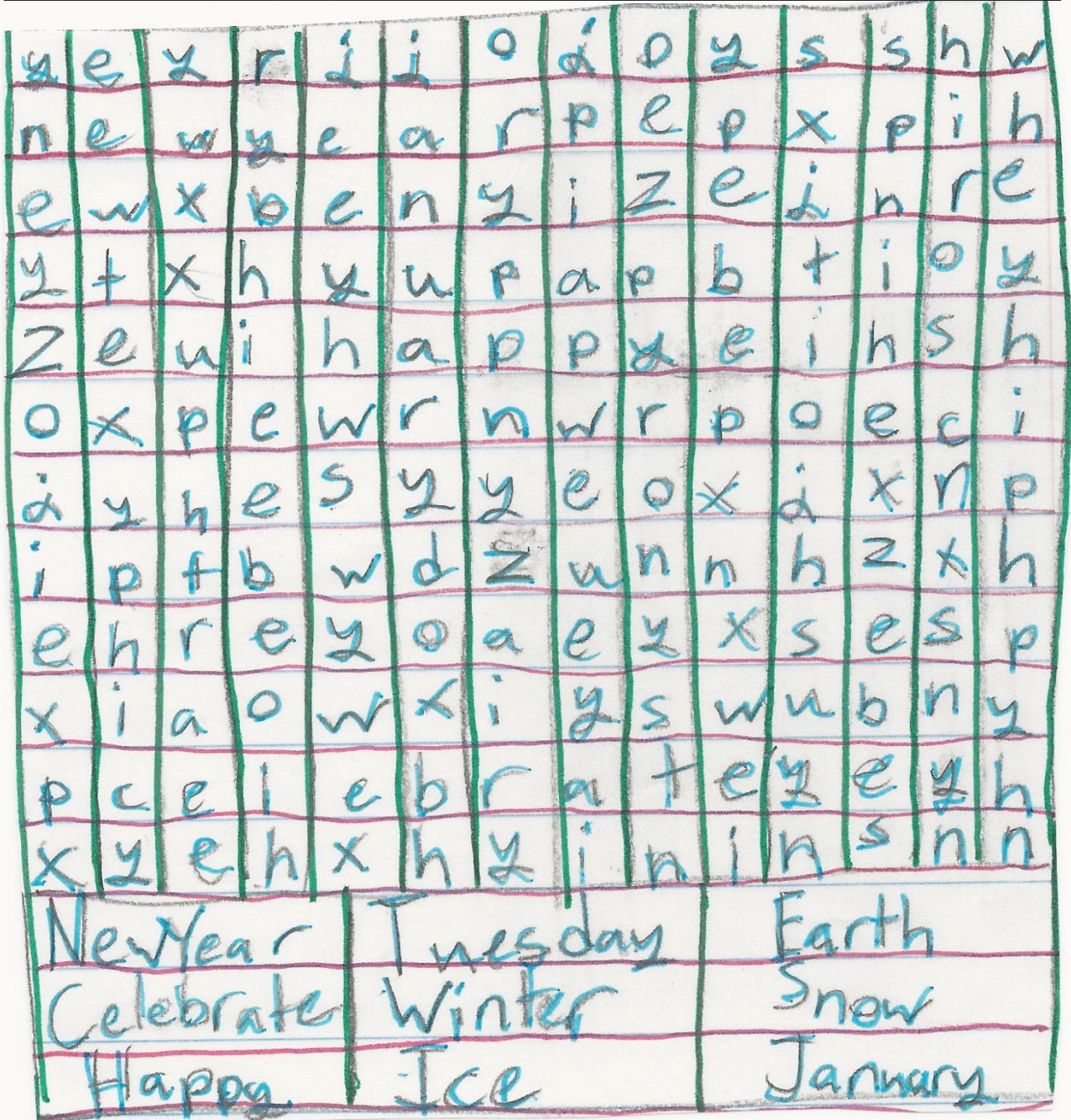
Before each activity I have to create a lesson plan and prep for the activity. It's a really fun class. I love working with kids and getting to work with Memphis is just amazing! I am so lucky to have a fantastically amazing teacher that let me do this class. I really enjoy watching Memphis learn new things each week. I look forward to future classes with him. It's definitely my favorite class this year.



Marina's Boat Project

A Scene from our amazing Thanksgiving Play



Winter Word SearchBy Ben, PISF 5th grader

The answers to the
Holiday Puzzle
from the December
Edition of The Prudence
Wave:

- Across
2. The Holiday!- CHRISTMAS
 5. People Sing these- CAROLS
- Up & Down
1. Who is the guy giving you presents?- SANTA
 3. What do you look forward to in the morning?- PRESENTS
 4. A holly, _____ Christmas. - JOLLY
 6. What is in the sky at night?- STARS

Journal of the Month

By Ben, PISF 5th grader

Prompt: If you were to give someone advice about how to live a happy life, what would it be?

1. Be safe a lot of the time! Would you feel good if you have your life at risk? Of course you won't!! So always be safe!
2. Decorate! 9 words can explain it. Wouldn't you feel good if you decorate a house?
3. Always cuddle with a stuffed animal. I can't believe how good I feel in the morning with him around me. Say goodbye to any scary stuff at night in bed.
4. Celebrate any time you have the chance!! A lot of people do this, like dancing around the fire, singing on a Playstation 2 (Julianna), and watching T.V. shows on Netflix. This makes people feel good about themselves.
5. Have lots of friends, think about it... Wouldn't you be lonely without lots of friends? Anyone would!!

Mystery Journal

You have been reading our newspaper for years now and have come to know our students quite well. Can you guess which student wrote the following journal entry? E-mail your guess to theprudencewave@aol.com.

Prompt: What would you do if you opened a present you didn't like?

I hope it's a new Xbox 1. Oh no, everything has been a junky toy or clothes so far . I tear open the gift.... What a????? A scarf..... Why would I ever need a scarf?? We live in South America. Why would I ever use this? I'm 18 Mom, if you ever get me a scarf again, at least make sure that Elmo isn't on it. Mom, you ruined my life.... As I run up the stairs I look at my broken Xbox 1 I got last week... My niece and nephew did it. They actually got a sledge hammer and broke it. I hope they can't hear me....Knock, Knock..... Oh, no!! Bye.....Not my T.V.... Or my Ipad..... Dad!!!!!! Just take the scarf!!!!!!!!!!!!!!

Last month's Mystery Journal was written by Shelby, PISF 4th grader

Intriguing Islander of the Month

By Ben, PISF 5th grader



Did you ever see a sea-green car pass by your house? That's probably Allan Bearse Passing by!

This month, as you can see, our Intriguing Islander is Allan Bearse! He was born in Worcester on December 10, 1962. He has two brothers (Bob and Kenny) and two sisters (Susan and Joan). His favorite childhood memory is when he went to the Bahamas with his dad, his brother, and his brother's friend, which is the only time he left the country. In Worcester, Allan went to school there from elementary to High school. He went to Fitchburg state for college. Allan is now a carpenter and of course, living on Prudence. His biggest successes in his life are his five children. Since it is the New Year, I decided to put in some questions about it and the island. His favorite beach on the island is all of them! Allan can't choose. Every one of them is better for a different reason. One of his favorite reasons for living on Prudence is that you can see all around you (including the woods). He never did the polar plunge and never will (see page 7)!!!! Now, knowing us, we asked random questions for no absolute reason! His favorite color is green, sea-green to be exact (remember his car?). He never met a movie star (BESIDES US!). Allan's favorite food is eggrolls, but not just any eggrolls. Eliza's eggrolls. His favorite holiday is Christmas! Allan's favorite hobby is sailing. His favorite joke is a long one. Here it goes.

Q: How do you stuff a giraffe in a refrigerator? A: Take the stuff out, put the giraffe in. I'm not done yet!

Q: How do you stuff an elephant in a refrigerator? A: Take the giraffe out, put the elephant in.

Q: When Tarzan called all the animals for a meeting and all the animals came except one, which one is that animal? A: The elephant, he is still stuck in the refrigerator!!! (It is recommended to ask them at different time periods, more effective.)

Please next time you see Allan Bearse, give him a big warm "hi!!!"

Riddle of the Month

By Julianna, PISF freshman

What kind of
bagel can
fly?



Plane
Bagel!

Scenes from Our Classroom



Christmas Train Construction



Chore Time!



Stich and Chat



Oak Tree Study



Leaf Identification with Robin



Island History Lesson



Holiday Festivities



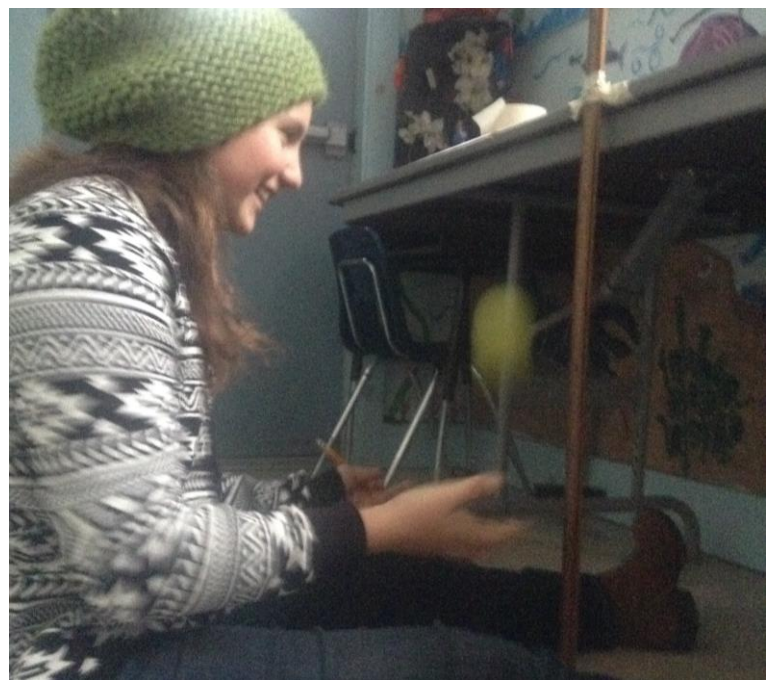
Tree Decorating



Our Intriguing Interview



Tasting Our Roasted Daikon Radishes! We loved them!!



Gravitational Potential Energy Lab