

The One and Only
Edison Newspaper!

All the News that's
fun to print!

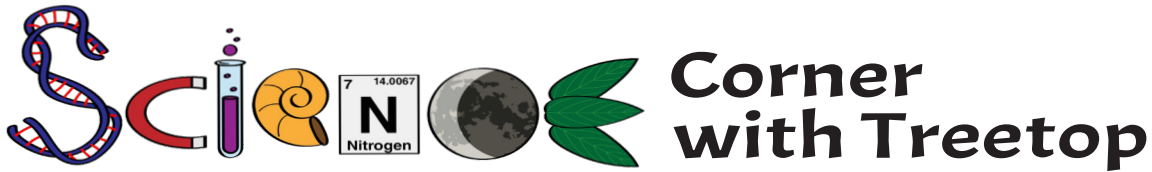
It's *Everything* Edison!

Edition VII, Volume II

The Edison Examiner

January 2024

Edison Elementary Community Newspaper



With the help of powerful telescopes and some nifty Math, astronomers recently discovered six exoplanets orbiting a nearby star (HD110067) 105 light years away from Earth. 100 Light years away may seem far, but this system of planets is quite close to Earth, in comparison to the estimated size of the Universe, and is still within the Milky Way galaxy. The system of planets orbiting HD110067 is unique for several reasons. One of the reasons why astronomers are excited is because of a phenomenon called orbital resonance, which we'll explain in this article.

HD110067, just smaller than the Sun, is the brightest star astronomers have found with more than four orbiting planets. Usually, systems with more planets are found orbiting smaller, dimmer red dwarfs. HD110067 has six planets orbiting in a tight pattern at about the same distance as Mercury is to the Sun! All six planets orbit their Sun in 9 days for the closest and 55 for the farthest.

What makes HD110067 truly unique is all six planets are in perfect orbital resonance with each other, something astronomers believe only occurs in 1% of Solar Systems. The prevailing theory is all Solar Systems, when first formed, were in resonance, and as time passed (in millions of years) their orbital pattern adjusted to a more unique orbit.

So, what is Orbital Resonance? How planets orbit has everything to do with gravity. In physics, gravity is one of four fundamental interactions that cause mutual attraction between all things that have mass. Gravity gives weight to physical objects on Earth and is the universal force of attraction acting between all matter, including planets. It will be easiest to understand resonance with an example- If it takes 20 days for the planet (B) to complete an orbit around a star and it takes (A) 10 days to do the same, (exactly half the time of planet B) then we call this resonance. HD110067 has six planets orbiting its star and form a resonance chain with each other.

As you can see in the picture, planet (a) completes 3 orbits at the same time as planet (b) completes 2 and can be written as 3:2. The same 3:2 pattern occurs for planets c-d and again d-e. Planets e-f have a 4:3 pattern as does f-g. Planets g-b are in a 6:1 resonance. With such a unique system of planets, and being so close to Earth, the James Webb Space Telescope will be able to further study this phenomenon in the coming years. Astronomers think it might give us clues of how our Solar System formed and why after a billion years has HD110067 maintained this pattern!

IN THIS EDITION

What's Happening at Edison

Science with Treetop

Spirit Land: Chapter 1

Snowman's Christmas

Puzzles

Trivia

Book Review: Matilda

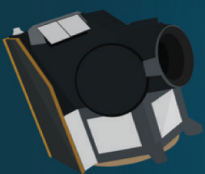
5 Things to do at a
Sleepover

A Treetop Academics Publication

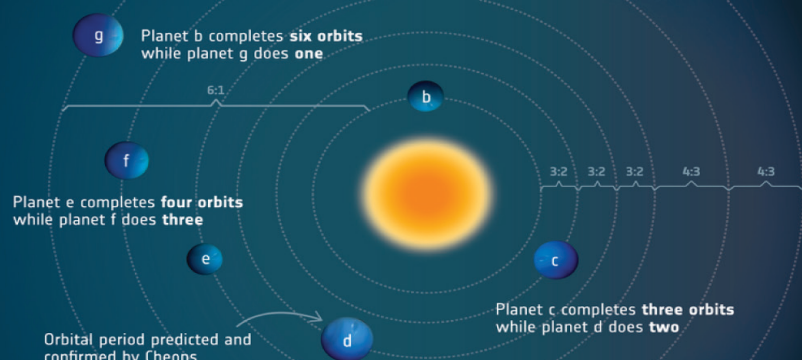


ESA'S CHEOPS HELPS UNLOCK RARE SIX-PLANET SYSTEM

An uncommon family of six exoplanets has been unlocked with the help of ESA's Cheops mission.



The six planets orbit their central star HD 110067 in a harmonic rhythm with planets aligning every few orbits.



All planets are smaller than Neptune and have large atmospheres
*Star and planets not to scale

#CHEOPS
(Image credit: ESA)

Spirit Land: Incoming Doom

By : Lilianna and Petra

Chapter I-

The sky was blue, and the wind gently rustled the leaves. The ocean waves crashed against the rocky seashore and washed over the sandy beaches. Children ran around on the sand and swam in the water.

Everyone living here has a spirit animal with wings, so they can fly. Living here is awesome. I'm Petra, and these are my bestest friends in the whole wide multiverse, Lilianna and Arya. We live in Spirit-land. The name may sound a bit creepy, but it's called Spirit-Land because all the spirits of the residents are the best they could possibly be. It's a small peaceful world, where pollution and all those other cruel things basically never existed. My spirit animal is a leopard, Lilianna's is a unikitty, and Arya's is a kawaii bear cub.

"Um, I don't mean to ruin your happy 'This is the best place ever' speech, but I think you are fully aware that there is an evil world right next to ours." Lilianna interrupted, pointing to a dark sphere that was fully visible from Spirit-Land. It was considerably smaller than Spirit-Land (mostly because part of it was blown up while a couple of the residents were fighting over who owned a small piece of land on a hill. (Of course, none of them got the land since they blew it up.)

"Ugh. I was only talking about OUR world, not about the neighboring worlds!" I said back.

"Whatever. Let's just go to the beach. Got your swimsuit? I'm gonna go change in the changing rooms." Arya called over her shoulder, already walking towards the small beach and pool building, followed by Lilianna.

"Coming!" I said, grabbing my swimsuit that I put on a nearby fence.

We were swimming around in the warm water. We swam into the deep waters and treaded water while talking about random things. When suddenly...

"WOAH!!" Lilianna yelled as a current pulled her farther from Arya and I. "HELP!! HELP!!" She yelled. We swam as fast as we could towards her, and so did the lifeguard, but we weren't fast enough. Her head was soon submerged under the water. I swam around frantically, trying to find her. Suddenly, I saw a fin smoothly gliding to where Lilianna had disappeared under the waves.



"No. No, no, no, NO!" I thought in my head. Not a shark! These waters were supposed to be SAFE!! I turned around, and saw Arya looking in the same direction, her body petrified. She had seen the shark, too. Suddenly, there was a spurt of red, right where it looked like Lilianna and the shark had collided.

"NOO!!! LILIANNA!!!" I yelled over the crashing waves and the screams of the people all around. Suddenly- 'WHOOSH!!!' A huge wave crashed over us, drenching me and Arya. I could see what looked like a large fish through the waves. No, it couldn't be. The shark?! Then the waves died down, and I saw a large dolphin speeding to the beach. But then I saw what was on top of it and I yelped with shock. Lilianna was unconscious, blood running down the side of her head, streaking her body, the dolphin, and the clear water with trails of red. So, it hadn't been a shark after all. It had been this dolphin, trying to save Lilianna. Arya and I swam to shore as fast as we could, where the lifeguard and a large crowd were huddled together around Lilianna. The lifeguard picked Lilianna up and hurried to the hospital. We said a quick thanks to the dolphin, which quickly disappeared under the waves once again, and then we hurried off to the hospital after the lifeguard.

Snowman's Christmas

By : Petra

Part 1-

Once a year, every year, this snowman comes to life. He seeks a red moon and unleashes his wrath upon anyone in sight. And when he walks, and when he talks, something just isn't right...

Once upon a time, it was Christmas Eve in Snowville. The snowflakes were falling, and hot chocolates were warming. Wreaths were being hung, and tinsel was being spun. Everyone was in the Christmas spirit.

The only thing around that wasn't happy was Snowman. Snowman was only around once a year and never got to celebrate. He was left outside to freeze himself with ice-cold snow.

This year though he would take revenge, he would come to life, and he would battle his "friends".

Christopher and Mia, two kids who lived in Snowville, were in their room writing a letter to Santa Claus-

Dear Santa,

This year we would like to say hello. Sorry if last year's letter didn't reach you. We would like, for Christmas, a new VR (mine broke) and a new journal and pen set.

We thank you well,

- Christopher and Mia Stokes

"That should do it," Christopher says to Mia as he finishes the signature.

Mia was looking out the window at the snowmen. "Ever think they'll come to life?" Mia was younger than Christopher and still believed in magic.

"No,"

"Why not? They say that they do it on Christmas Eve night. Do you want to come check with me tonight? Please!"

"Oh whatever, but don't get your hopes up,"

"Oh, I already have!"

That night, as Christopher went to put his letter in the mail, Mia ran out the door-

"Let's go before time runs out!" She said.

"Right," Christopher said. "Of course,"

"They're at the park, you'd better get your bike," Mia said as she strode off.

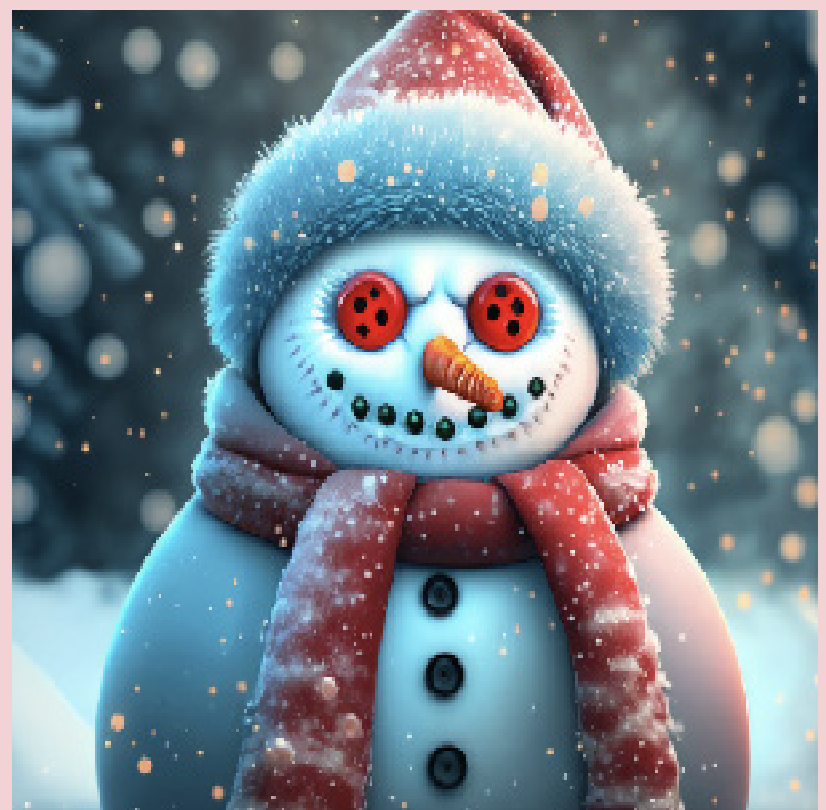
Christopher pedaled to catch up with her. "Wait for me!" He yelled through the crisp winter air.

When the kids finally reached the park, the snowman was gone.

"Okay, now, that's a little spooky," Christopher said, realizing that all there was left at the park was the playground and grass. "It's been below freezing all day! No way the snowman could have melted!"

Shuffle, shuffle, scrape! Shuffle, shuffle, scrape!

The kids turned around, to see the snowman. Red glowing eyes, and a beady blueberry mouth. The snowman slowly scooted towards them.



Word Puzzles

Winter Word Search



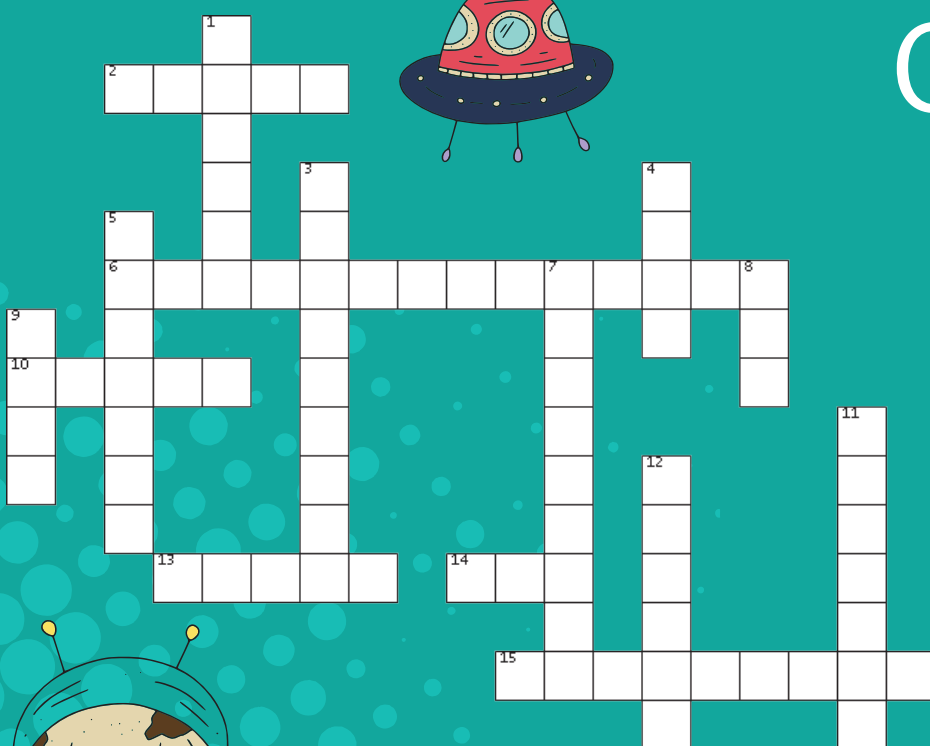
C	S	S	O	K	K	V	B	K	N	B	P	D	H	S
H	Y	U	E	V	W	C	O	C	O	A	W	A	Q	Y
R	A	J	A	L	R	A	H	Q	Q	E	N	R	T	K
I	D	A	A	U	D	P	N	T	H	U	Q	S	B	A
S	I	C	Z	B	Y	N	P	Z	K	O	O	A	Z	E
T	L	K	R	E	S	A	A	K	A	R	H	H	R	R
M	O	E	U	C	G	T	A	C	F	L	Q	F	V	B
A	H	T	X	K	N	H	N	X	C	R	S	N	O	W
S	G	N	I	I	K	S	A	E	E	O	M	D	O	O
J	F	V	T	K	H	W	N	T	S	G	L	C	W	I
Z	M	I	U	S	T	G	N	Y	T	E	W	D	Z	C
A	S	I	J	O	E	I	E	R	O	U	R	R	T	B
K	E	J	R	F	W	V	W	M	J	F	M	P	Q	F
T	N	I	M	R	E	P	P	E	P	X	B	I	P	S
J	L	A	H	M	D	O	J	I	L	E	W	P	E	B

- Break
- Candles
- Christmas
- Cocoa
- Cold
- Frosty
- Hanukkah
- Holidays
- Jacket
- Kwanza
- Peppermint
- Presents
- Snow



CrossWord

BELOW ARE THE CLUES



Across

- 2. Large balls of gas that we can see in the night sky
- 6. Special arrangements of stars
- 10. Being from a faraway galaxy
- 13. The Planet we live on
- 14. Unidentified flying object
- 15. Large rock flying through space

Down

- 1. Planet with Several Rings Around it
- 3. Person who works in space
- 4. Lights up the night sky
- 5. When the sun is covered by the moon
- 7. Tool used to look at planets and stars
- 8. The center of the Solar System
- 9. The red planet
- 11. There are nine of these in our solar system
- 12. How people get to space

Trivia with Treetop

By : Petra

1. How many hearts does an octopus have?
2. What color is the fur on polar bears?
3. What animal can not stick their tongue out?
4. What other part of your body, besides your finger, has a unique print from everyone else?
5. How many eyes does a bee have?
6. What part of an ostriches body is bigger than its brain?
7. What animal has the thickest fur of all mammals?
8. What is the smallest mammal?
9. What is a female fox called?
10. What is the closest living animal related to the T-Rex?

1- Three, 2- Transparent, 3- Crocodiles, 4- Your Tongue, 5- 5, 6- Their eyes, 7- Sea Otter 8- A Bumblebee Bat, 9- A Vixen, 10- Chicken

Who's Who

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- Johnni Burkett
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- Violet Lillegard

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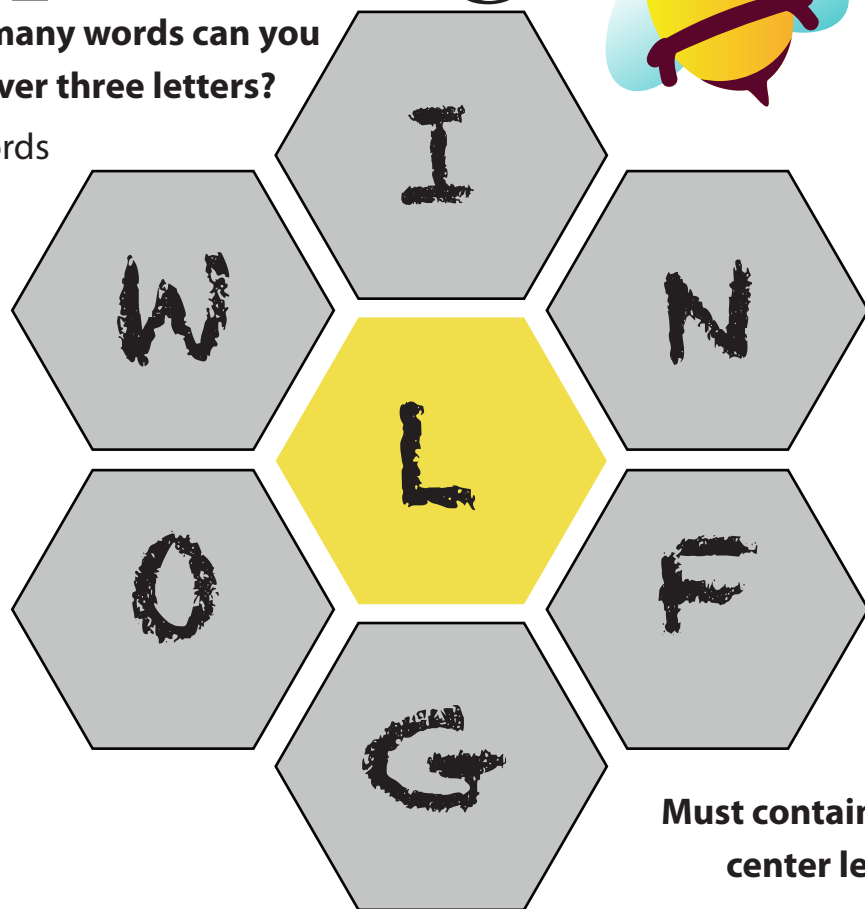
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The Edison Examiner is a Treetop Academics publication designed to benefit the Edison community. The Examiner is a student run newspaper.

Spelling

How many words can you find over three letters?

44 Words



Must contain the center letter!

1 Panagram



Book Review: Matilda

By : Ireh

About Matilda and her family

Matilda is Mr. and Mrs. Wormwood's daughter, and she has a brother called Micheal. Michael was just a normal boy, but Matilda was really brilliant. Matilda started to read and write when she was 2 years old. Mr. Wormwood sells cars with unfair prices and Mrs. Wormwood plays bingo every day. Mr. and Mrs. Wormwood loved to watch television.

Summary of Matilda

When Mr. Wormwood went to sell the cars, Mrs. Wormwood went to play bingo and Micheal went to school. Matilda was left alone. Matilda read magazines and cookbooks. Matilda asked if Mr. Wormwood could buy her some books and Mr. Wormwood says he won't. Mr. and Mrs. Wormwood love to watch telly.

When everybody was gone Matilda found out that there was a library near their house, so she started to walk to the library and read books every day. When she finished all the children's books, she started to read grown-up books. After she knew that she could take books home and return them, she started to go to the library once a week.

Matilda started to go to school and her teacher was Miss Jenny Honey. Miss Agatha Trunchbull was the principal of that school. Miss Trunchbull wasn't a nice principal at all. On Matilda's first day of school, Miss Trunchbull threw a girl named Amanda Thripp into the air, because she had pigtails. When Matilda visited Miss Honey's house, Matilda learned that Miss Trunchbull was Miss Honey's aunt, and that Miss Honey started to live with her when her father died. Miss Trunchbull was very not a nice aunt, and she stole Miss Honey's money and her house. So Miss Honey found a tiny house and started to live there.

Matilda spilled water from a jug with her eyes and she figured out that she has the power to move anything with her eyes. With her powers she decided to get Trunchbull to leave her school and make her give the money and Miss Honey's house back. Matilda pretended that she was Miss Honey's father, Magnus, like this: "Agatha, this is Magnus. This IS Magnus and you gotta believe it. Give my Jenny back her house and money. If not, I'm going to get you. If you don't, I'm going to get you like you got me. I'm watching you, Agatha."

Miss Trunchbull got scared, so she left the school and gave Miss Honey her house back. Matilda started to live with Miss Honey and her family went to different countries. Police were chasing Mr. Wormwood for selling bad cars for unfair prices and stealing car parts. Miss Honey and Matilda had good times together.

About Roald Dahl who made Matilda

Matilda was written by Roald Dahl. Roald Dahl also made Charlie and the Chocolate Factory, James and the Giant Peach, Giraffe and Pelly and Me, The Twits, Charlie and the Great Glass Elevator, and more.

The Edison Examiner How to Get involved

The Edison Examiner is a student run newspaper designed to be a source of Edison information for parents, and a publishing platform for student contributors. The Examiner features a full range of subjects Edison students and the greater community may find interesting. The publication is written, administrated, and sponsored by Treetop Academics through our after-school programs. The after-school newspaper publishing class is held on Fridays directly after school in the Edison Cafeteria. Edison will email parents a color PDF of each edition and limited paper copies can be found at school. A full color copy will be posted in the Edison hallway. *A downloadable copy of can also be found at www.TreetopAcademics.com as can past issues of The Edison Examiner.*

*** Interested in becoming a student Editor?**

The Examiner needs student Editors to help design, become contributing writers and investigative journalists. This opportunity is for students 3rd-5th grade and is an after-school class through Treetop Academics. If you are interested, please sign up through our registration page on the Treetop website.

***Making a guest contribution?**

The Examiner will include and publish student guest contributions. Please take into consideration your target audience & appropriate subject matter. Guest Contributions will need to be emailed to Jason@treetopacademics.com for consideration. If you have an idea, Go for it!



Looking to be more Involved at Edison?

Join the Edison Parent Council,
Meetings are at Edison from 6:00-7:00!

- Meeting Dates:
- 1/16/24
 - 2/20/24
 - 3/19/24
 - 4/16/24
 - 5/21/24

Need care for no-school days?

Treetop Academics is hosting ten STEM focused no-school day events to coordinate with the Edison conference, in-service, professional development, and grading days.

The Edison Hackathon is an exploratory time for K-5 students in a fun-directed environment perfect for a useful and educational no-school day camp.

Care options available from 8am-5pm. Different price/time options based on the schedule you need.

Please visit us online at www.treetopacademics for full details

- Oct 13
- Nov 9
- Nov 20/21/22
- Jan 2
- Feb 1/2
- April 1/12
- June 7

Join the Hackathon!



5 Things to do at a



By: Johnni

Sometimes when you have a sleepover you plan it out a few days before, but when it's the day of the sleepover you don't do any of the fun things you said you would do. So here are some fun things to do at your next sleepover!

Pillow Fights

Yes, pillow fights can be fun. I would recommend not doing it if you're really young. So, you don't get hurt because there could be minor/severe injuries. Since pillows are usually soft, injuries rarely occur. I would recommend these would be fun for 2-10 people, at a time.

Build a Fort

Building a fort is fun for all ages. To be honest I have never seen anybody that doesn't like to build a blanket fort. If you don't know what materials, you need I'll list some! Pillows, blankets, couch cushions, etc. But you can basically use anything. If you want to add more to your fort, you could add decorations!



Making Hot Cocoa

'Mhmm hot chocolate!' nice and warm on a cold day. If you want really good hot chocolate, you should try adding some of these toppings! Whipped cream, mini marshmallows, peppermint shavings, peppermint sticks, sprinkles, and extra sugar, will make your hot chocolate super tasty.

Backyard Camping

Backyard campouts are really fun especially if you have a big backyard because you have a lot more space. But if you have a small house that works too! Another idea is a trampoline campout. Trampoline campouts are fun on warm days or cold days! Cold days feel cozy. While warm days feel hot. Or you could just bring a tent out or sleep in a sleeping bag.

Board Games

Board games are really fun 10/10 recommendations. If you want some good board games here are some that I think are good like these games that I think you would like. Games like Exploding Kittens, Candyland, Uno, Rat-a-Tat Cat, Sorry!, Taco Cat Goat Cheese Pizza, and Jenga, are all really fun games to play! Where you could buy these are: Amazon, Etsy, eBay, etc.

SAVE THE DATE

When: Jan 31st,
6pm-8pm

Where: Edison Elementary

