

Miller Place
High School Newspaper

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The Panther Press
Spring 2024

SCHOOL NEWS

2024 Variety Show

Nailah Rahman

The Miller Place High School's annual Variety Shows took place on Wednesday, March 20th and Thursday, March 21st at 7:00pm. Before the shows, performers spent Monday and Tuesday evenings at rehearsals. This year, the show featured 14 acts, including bands, solo instrumentalists, and senior skits to fill time during set changes. The variety show, directed by Shane Lomascolo, served as a fundraiser for the senior class. In order to support their favorite seniors, the junior, sophomore, and freshman student government cabinet members assisted with setting up the stage and moving the spotlights. Mrs. Dez and her team of helpers were responsible for the stage lighting and sound. After the last act performed, spectators had the opportunity to vote for their favorite acts. Due to technical difficulties, the winners of the 2024 Variety Show were announced on the morning of Friday, March 22nd.



1st Place: Milk Men

Featuring Liam Martin,
Bernard Creedon, Phoenix
Guasto, John Leen and Nailah
Rahman



2nd Place: Band

Featuring Emma Rosequist,
Andrew Schofield and Sarah
DiPersio

**3rd Place: Pink Floyd Cover
Band**

Featuring Maksim Klaric,
Christian Caccavale, Marc
Lindemann and Gabriel
Alvarado



2024 Spring Musical:

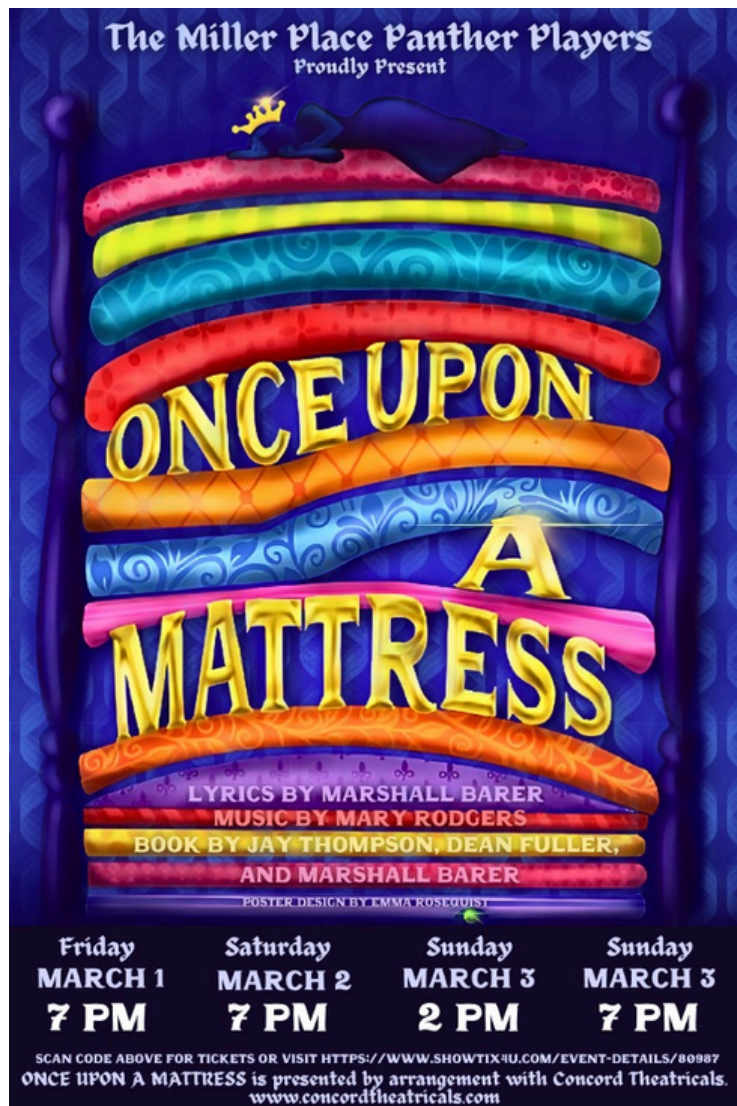
Once Upon A Mattress

Molly Caufield

On March 1st, 2nd and 3rd, the Panther Players had an incredible run of their spring musical: "Once Upon A Mattress". This musical is a play on the famous fairy tale, "Princess and the Pea". The story is set in a kingdom, ruled over by the manipulative and talkative Queen Aggravain, and a mute King Sextimus. The Prince Dauntless is in search of a princess to marry, but the queen disapproves of every potential match after they fail her impossible test. This proves to be a problem for everybody in the kingdom because not until the Prince gets married can anybody else. That is until the 13th girl, Princess Winifred comes along, when the townspeople and Prince Dauntless make extreme efforts to get her to pass the Queen's test.

The spring production brings together a variety of students, who all come together to create something special. The cast, stage crew, dance team, pit orchestra, lighting and design teams all consist entirely of students. After four months of rehearsals almost every day, the Panther Players were able to pull together a truly wonderful production.

In addition to practicing and memorizing the show, the club hosted multiple fundraisers to help the production come to life. On January 19th, the Panther Players hosted their 2nd annual Back-Off! Despite the cold and rainy weather that day, the fundraiser came together and was very successful, raising multiple hundred dollars to put towards set design! The last week of January into early March, they hosted a popcorn fundraiser. This fundraiser was their biggest yet, raising thousands of dollars to put towards microphones and other items for the set.



Everyone who attended the show was very impressed with the performance of these students. All the hours cast and pit spent rehearsing, the dance team spent choreographing, and the set designers spent painting did not go unnoticed. Congratulations to all seniors on their senior show!: Madison Amendola, Brennos Blake, Molly Caufield, Joseph Costa, Bernard Creedon, Jamie Crovello, Sarah DiPersio, Mary Duffy, Hope Jacobsen, Gisela Killary, Rachel Leonoff, James Loughlin, Liam Martin, Nicholas Nania, Sophia Necci,

Owen Neyland, Aidan Pace, Avery Parker, Isabella Romero, Emma Rosequist, Jack Serrentino, Caroline Shannon, Wyatt Shattes, Lauren Soreil, Kylie Taylor, Alexander Trocchio, Emma Venegoni and Devin Ward.

Additionally, congratulations to those who will be inducted into the International Thespian Honor Society this June at the Drama Dinner: Brennos Blake, Mia Caputo, Joseph Costa, Bernard Creedon, Sophia Cui, Jane Delaney, Sarah DiPersio, Mary Duffy, Jacob Huwer, Rachel Leonoff, Isabella Licari, Kaitlyn Lopez, James Loughlin, Liam Martin, Riley McCormick, Jonathan Milette, Jordan Milette, Jack Murphy, Sophia Necci, Owen Neyland, Avery Parker, Nailah Rahman, Andrew Schofield, Jack Serrentino, Vienna Sigismondi, Lorelei Spect, Erin Sternberg, Alexander Trocchio, and Evelyn Weiner.



FOREIGN LANGUAGE HONOR SOCIETY

Induction Ceremony



Molly Caufield

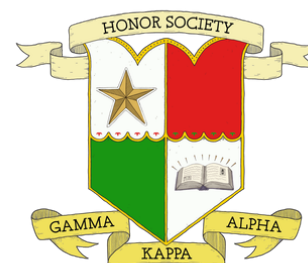
On Thursday March 14th, the Foreign Language Honor Society welcomed 74 new members to their honor society. Each of these 74 students have demonstrated immense dedication and ability within their Spanish, Italian, French, studies or a mix of multiple! This achievement of theirs is incredibly inspiring and helps promote the importance of language studies to our community. They are setting a foundation for a globally-minded society that embraces and is welcoming of all cultures.

The ceremony began with a welcome from senior presidents Nicolette Capocci and Molly Caufield. Included were speeches from presidents of each language, French President, Maxime Tchobar, Italian President, Molly Caufield, and Spanish President, Christopher Barton. Next, the Vice President's welcomed the inductees to the stage to receive their certificates and assisted them in reciting their pledges. This was done by French President, Maxime Tchobar, Co-Vice Presidents, Abigail Alvarado and John Leen, and Spanish Vice Presidents, Ava Conti and Catherine Katsafaros. Then other members of the cabinet lit the candles. As Alexander Trocchio read out the candle speeches, Rayna Bruno, Katie Shaw and Andrew McGuirk lit each candle.

This honor society is a celebration of not just the hard work of students, but cultural education and diversity. Aside from fundraisers and community service, members of the Foreign Language Honor Society are granted multiple opportunities to take field trips. On Monday, December 18th 2023, students and advisors visited New York City and the Metropolitan Museum of Art. Here, students got to see the

very works of art they have learned about in class! After the museum, students went to Times Square to visit the popular holiday tourist attractions. On Tuesday, February 6th, Senior Officers and a few dedicated juniors took a trip to NCR to speak with the 6th graders and present their language options for next year. This spring, FLHS students will have another opportunity to travel to New York City! On May 20th, students will go visit the Statue of Liberty and Ellis Island.

This organization is a great opportunity to explore outside of our community, whether that be physically or through learning! Congratulations to the new inductees and the participating officers on a wonderful ceremony.



Student Spotlights



Abigail Alvarado

Excellence in World Language

For the past 6 years, Abigail has shown dedication and success within her world language classes. After growing up speaking Spanish, she decided to expand her abilities by taking Italian. Within each level she has shown tremendous achievement and excellence through her quality of work and ability to collaborate with her peers. Abigail not only took Italian, but in high school decided to enroll in Spanish as well, completing Spanish V in her Junior year. Last year, she was accepted into the Foreign Language Honor Society for her academic achievement. She was also selected as Vice President of Italian because of her immense dedication to her languages and the club. She will be pursuing a degree in Criminology & Psychology at Hofstra University, where she will be expanding her language abilities further with a minor in Italian.



Bernard Creedon

Excellence in Music

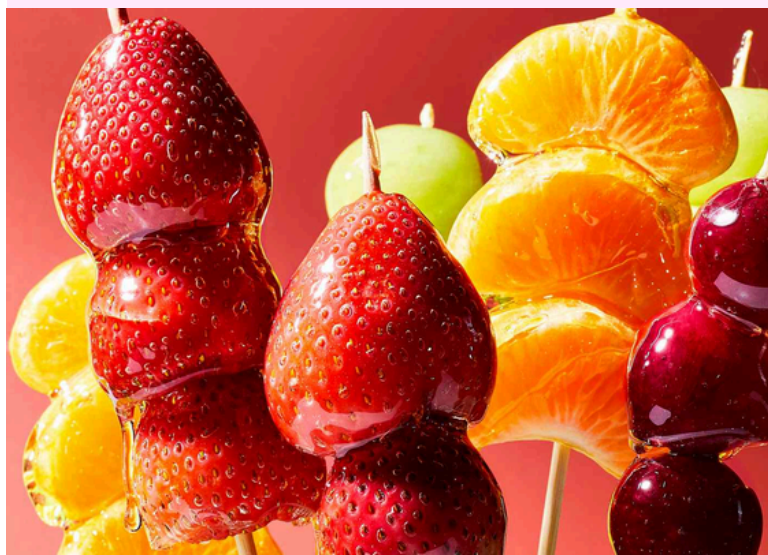
Bernard has proven to be a valuable member of the music department throughout all of his years at Miller Place. He is an incredible saxophonist, and has brought his talents to both the Miller Place Jazz Band and Symphonic Band and also the Drama Club Pit Ensemble. Additionally, he recently decided to expand his musical experience by joining the Vocal Jazz Ensemble. Throughout all of these ensembles, Bernard has participated in various concerts, festivals, and competitions. Most recently performing at the Jazz Loft and competing in The Westbury Music Festival's Battle of the Big Bands. As a Sophomore, he was inducted into the Tri-M Music Honor Society for his excellence in music. He was also recently chosen as the Music Student of the Month for March 2024. He plans to continue his education next year at SUNY Potsdam in the Crane School of Music to study Music Education.

Recipes from the Krusty KRob



Tanghulu

Rachel Chen



Tanghulu is a popular street food snack in China consisting of sweet-tart fresh fruit candy coated with a hardened sugar syrup.



Steps

1. Wash the fruits and pat them dry.
2. Insert the pieces of fruit onto the wooden skewers and set them aside.
3. In a medium-sized pot, add the sugar and water together and bring to a boil over medium heat. We want the mixture to get to 300F. This will take anywhere between 5-10 minutes. If you don't have a thermometer test the sugar mixture with a spoon. Dip the spoon in the mixture then back into the ice-cold water, if it hardens it's ready.
4. Dip the fruit in the sugar candy coating then shake off any excess sugar.
5. Dip the fruit skewers into the hot sugar syrup and tap the skewer onto the top to get rid of any excess syrup.
6. Quickly dip the fruit into a bowl of ice water to allow the hot syrup to harden.
7. Place them on a parchment paper lined baking sheet or plate to let them cool down even more then take a bite and enjoy that sweet crunchy shell!

Ingredients

- Imperial sugar (granulated sugar)
- Water
- Fresh strawberries or any fruits you'd like. (grapes, orange etc.)



Recipes from the Krusty KRob



Rachel Chen

Omelet Bbang

Ingredients

- 4 large eggs
- 130g caster sugar
- 1 tsp vanilla extract
- 130g cake flour

Filling

- 500ml whipping cream
- 60g caster sugar
- 1 tsp vanilla extract
- sliced strawberries for decorating
- icing sugar for dusting



Omelet bbang is one of the most popular desserts in Korea now. The omelet bbang is a small sandwich stuffed with whipped cream and fruit.

Steps

1. Preheat your oven to 350°F (175°C) and line baking trays with parchment paper. Draw 8cm circles on the parchment paper, and place around 6 circles per tray.
 2. Separate the egg whites from the yolks and put the egg whites in a mixer bowl. Set aside the egg yolks.
 3. Whisk together the egg whites and sugar until they become stiff and dense. Add the egg yolks and vanilla extract, then whisk to combine.
 4. Sift the cake flour into the mixture and gently fold it in until it forms a batter that has a dropping consistency.
 5. Transfer half of the batter into a piping bag fitted with a large round tip 2A. Repeat this process for the remaining batter
 6. Pipe the batter into the circles on the parchment paper, starting from the outside and working towards the middle, using the drawn circles as a guide.
 7. Bake for 10-12 minutes, or until the cakes turn golden brown.
 8. Once the cakes are done, let them cool by covering them with a sheet of parchment paper and a wet tea towel to keep the moisture in the cakes.
 9. Whisk the whipping cream, sugar and vanilla extract on a high speed until it is stiff enough for piping.
 10. Once the cakes have cooled down, fold each cake in half and put them in paper muffin cases. Using a M tip pipe the whipped cream filling into each cake, and add sliced strawberries or other fruits for
 11. decoration. Finally, dust generously with icing sugar.
- Serve and enjoy your delicious Korean Omelet Bbang!

ENTERTAINMENT

Classic Film Review:

THE THING

AND ITS THEMES

Maksym Chase

After Watching "The Thing"

What do you do when the dynamic of a community has changed? What do you do when your way of life is under attack? What do you do when your friends are not who they seem? What do you do when you can't trust anyone but yourself?

What do you do when you can't even trust yourself?

"The Thing", directed by John Carpenter, surged onto the scene with mixed results from viewers and critics. However, it is now considered one of the best films of all time and a defining staple for the sci-fi genre. The Thing is naturally mentioned in the conversation of storytelling through uncertainty. It's a flick where NO ONE can be trusted, and where the viewer is a part of the whodunit-esque game, choosing who to trust and who to keep guard when near. Rob Bottin, who was in charge of VFX, captured a series of disgusting creature designs which only exacerbated the feeling of paranoia. Every character could be guarding one of the most terrifying or despicable creatures inside of them and we don't know who. We only hope at least a couple are humans. Even if they all were humans, the distrustful atmosphere makes it clear that there is an invasion of a failing society.

A sci-fi masterpiece or political commentary? Why not both?

Inspiration for The Thing could come from lots of places, and many theories have been brought about. The Red Scare is an obvious one-- where people were convinced to be suspicious of their neighbors and loved ones for being communist. Another inspiration could be the AIDS epidemic, which traveled through human fluids, echoing the blood test scene in the film. Another speculation of inspiration is the portrayal of male masculinity in the film; which led some people to acknowledge that The Thing was a metaphor for being queer in a laddish domain, as it was a truth people had to conceal and were subsequently victimized for when found out. The truth is all of these interpretations are correct. By 1982, the American Dream was gone and there had been so many tragedies that trust in the American community was disappearing. The Thing is just a metaphor for the disillusionment happening in towns all over the US. The idea of common courtesy dying, of human kindness and compassion evaporating. That was The Thing. It's the spark that lit the fire of dehumanization.



The Rise of Indie Animation on YouTube

Josie Attisano

Originally only possible to produce in large studios, animation has been a wonder of entertainment since its creation. Animations from massive corporations like Disney have prevailed in animation entertainment through their elaborate movies and storytelling. But, it looks like a new frontier for animation is on the rise: YouTube.

Before YouTube's creation, animations by passionate teens and friend groups could be found on websites such as *Newgrounds*, with creations like *Eddsworld*, as well as uploaded onto personally made websites as seen with the cartoon *Homestar Runner*'s humble beginnings. However, when YouTube was released, creators from these small sites flocked to upload their creations to the new and quickly growing platform.

And as it goes, as these humble animation projects became more advanced and popular over the years, funding was necessary to support them.

This is a major problem for animators especially. YouTube has only placed advertisements on videos over 10 minutes in length, making it incredibly challenging for independent animators to make any revenue from their creations. Most YouTubers at the time mainly focused on real-life content like comedy and vlogging. When filming real video, it is very easy to create a project that's 10-15 minutes long. YouTube has an ad based platform, meaning that YouTubers who create 10 minute long videos can place ads on them, garnering impressions on their audience in order to make profit. The amount of people that view a video also comes into account. For example, videos that gain 1,000,000 views, which is quite difficult, only generate about \$1,200. Animation is a long, laborious, time consuming effort, taking much longer to create than most other forms of media which are released on the platform as each frame is drawn by hand. And, get this, it

takes 24 individual drawings to create just one second of animation. That's storyboarding, sketching, linework, coloring, shading, clean-up and compositing (not to mention script writing, voice acting, and sound design...) - all very tedious and complicated processes. The majority of independent animators and animation studios with original ideas would never be able to survive off of their creations under these circumstances.

But, there is a light at the end of the tunnel.

Selling merchandise like shirts and plush toys, and starting a Patreon (a donation website) can help contribute to the funds for them to continue to create such animations, as they are incredibly expensive to produce. We must take into account the amount of time, talent, equipment, and overall energy it takes to create a solid indie animation.

With these creative new opportunities to increase funding, Indie Animation has risen on YouTube as of late in a way never seen before. These independent artists have the freedom to create incredible works of art of whatever they love without being tied down to any companies or contracts.

The amazing strides in quality and creativity from the creators of these shows is a huge inspiration for young and aspiring artists and animators of the future, proving that it is possible to create a successful business and job out of a YouTube animation career. With enough dedication, animating what one is truly passionate about successfully is completely possible.

⚠ Disclaimer ⚠: The shows mentioned in my article have vastly varying maturity ratings. This information should be researched prior to watching him if you plan to check one out! I myself have not viewed these shows in their entirety, and thus can not testament to the content in which they contain. Thank you for reading!

THE AMAZING DIGITAL CIRCUS

YouTube: GooseWorx

her ideas and would take her character rights from her. The sales of plush toys and various sponsors funded the episode. The plush toys in question were sold out within mere days. Recently an exclusive sneak peak of the second episode was shown in Japan, in a pop up event in which merchandise was also sold.

The Amazing Digital Circus was released in October of 2023, gaining 100 million views within one month and achieving over 4 million likes. The lead creator for the cartoon by the name of Cooper Smith Goodwin hired a team of 3D animators and artists of her own choosing to have full control over the creative properties of the massively popular show. This would not be possible if she had pitched it to a major studio as they might alter



As of writing this, *Hazbin Hotel* reigns the #2 most searched for animated show online. Created by Vivienne Medrano, or Vivziepop, its massively popular pilot episode was aired on YouTube in 2019. Medrano had been consistently uploading on her channel since 2012. The show was successfully funded and recently transitioned to Amazon Prime for its first season of episodes to great success. The path that Medrano led is truly inspiring, from being a small independent artist to starting her own animation company SpindleHorse Toons, and creating her very own adult cartoon show. Also created by Vivziepop, is *Helluva Boss*, a spin off show from *Hazbin Hotel* - yet another testament to the wild successes with her work! It is said that a full season for *Helluva Boss* will be released in the near future.



YouTube: Vivziepop

Battle for Dream Island

YouTube: Jacknjellify

Battle for Dream Island is yet another successful cartoon on the YouTube platform, with over 2 million subscribers on the channel and over 1 billion views from all of their videos combined. *Battle for Dream Island* was created by two brothers named Cary and Michael Huang all the way back in 2010 when they were just middle schoolers with a dream.



Lynch's Corner Book Review:



ENTER THE BODY

By Joy McCullough

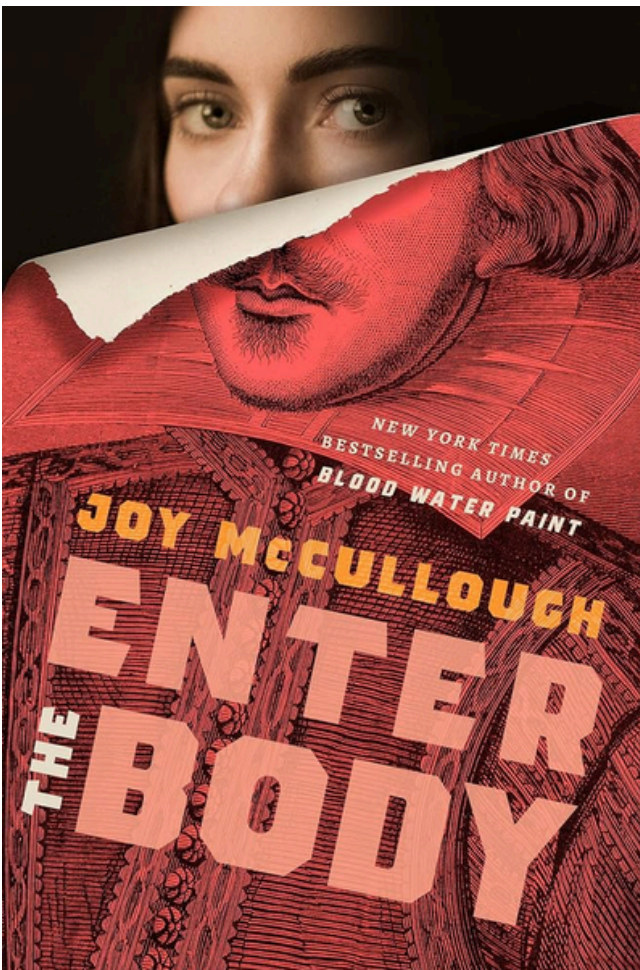
My recent read was a novel in verse and so it coincided with National Poetry Month. *Enter the Body*, by Joy McCullough, is a fascinating take on some of Shakespeare's works. It is told from the perspective of several of the females in Shakespeare's plays. The females, who are often tragic heroines in the Bard's stories, get to take center stage and retell their stories. The retellings allow the young girls to take control of their narrative, giving them agency and showing all their passion, strength and the bond of sisterhood.

Juliet (from *Romeo and Juliet*), Ophelia (from *Hamlet*) and Cordelia (from *King Lear*) are the dead teenage girls who tell us their powerful stories while they are underneath the stage of the Globe Theatre. The first half of the novel is very poetic in nature with verse taking center stage while the second half of the novel is more dialogue based and filled with all the snark and mean girl vibes you would expect from teenage girls. I enjoyed the second half of the novel more than the first as it really let their personalities shine

and pointed out their flaws while also showing their solidarity to one another. Also, I liked Cordelia's story best. This may be due to the fact that it is the story I was the least familiar with before reading this book. Finally, the author points out during their retellings that "The Bard" was not the only bard. There were many people who were telling these stories.

This book may be for you if you have ever thought about what the girls in Shakespeare's plays would do differently. This was a thoroughly enjoyable, quick read.

Come down to the library and check it out!

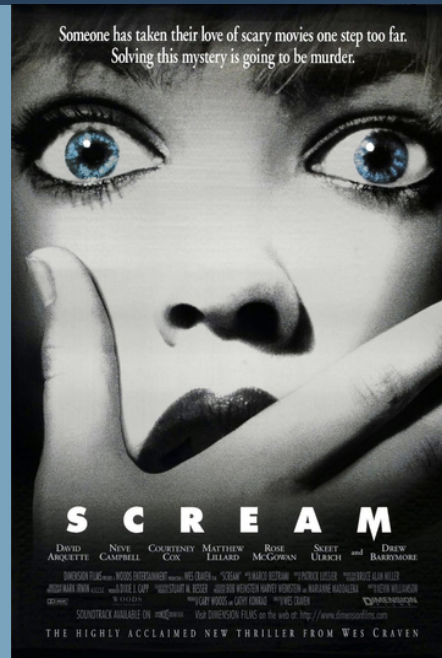


TOP TEN HORROR MOVIES

Gianna Ingenito, Hazel Myers & Aubrey Earle

1 Scream 1996

"Scream" is a 1996 horror film directed by Wes Craven, known for revitalizing the slasher genre. The movie follows a group of high school students targeted by a masked killer known as Ghostface. What sets "Scream" apart is its self-awareness, as characters are familiar with horror movie tropes and often reference them, leading to moments of humor amidst the terror. The film explores themes of identity, obsession, and the impact of media on violence. With its clever plot twists and iconic mask, "Scream" became a cult classic and spawned several sequels and a TV series.



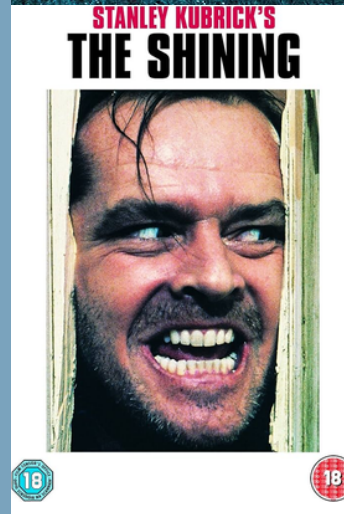
2 The Ring

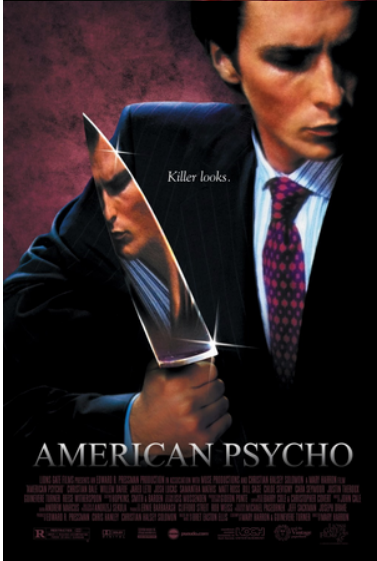
"The Ring" is a psychological horror film directed by Gore Verbinski, released in 2002. The story revolves around a mysterious videotape that, when watched, curses the viewer with a phone call informing them of their impending death in seven days. Investigative journalist Rachel Keller, portrayed by Naomi Watts, becomes entangled in the mystery surrounding the tape after her niece dies under strange circumstances. As Rachel delves deeper into the origins of the cursed videotape, she uncovers a haunting and sinister truth. The film is known for its eerie atmosphere, suspenseful storytelling, and chilling imagery, making it a standout in the horror genre.



3 The Shining

"The Shining" is a classic psychological horror film directed by Stanley Kubrick, released in 1980, based on the novel by Stephen King. The story follows Jack Torrance, played by Jack Nicholson, who becomes the winter caretaker of the isolated Overlook Hotel, along with his wife Wendy and son Danny. As the hotel's supernatural forces gradually possess Jack's mind, he descends into madness, putting his family in grave danger. Danny, who possesses psychic abilities known as "the shining," becomes increasingly aware of the malevolent presence within the hotel. The film explores themes of isolation, insanity, and the darkness of the





human psyche. "The Shining" is celebrated for its iconic performances, eerie atmosphere, and Kubrick's masterful direction, cementing its status as a landmark in horror cinema.

4 Terrifier

"Terrifier" is a 2016 horror film directed by Damien Leone. The story centers around a psychotic clown named Art the Clown, who terrorizes a small town on Halloween night. After two young women encounter Art at a pizza parlor, they become his targets in a night of brutal and relentless violence. As the night unfolds, Art's sadistic nature is revealed through a series of gruesome and disturbing encounters. "Terrifier" is known for its intense gore, shocking violence, and the eerie performance of David Howard Thornton as Art the Clown, making it a cult favorite among horror enthusiasts.

5 The Babysitter

"The Babysitter" is a 2017 horror-comedy film directed by McG. The story follows Cole, a young boy who discovers that his babysitter, Bee, is part of a satanic cult. When Cole stays up past his bedtime one night, he witnesses Bee and her friends performing a ritual sacrifice. Realizing his life is in danger, Cole must outsmart and survive the night against Bee and her murderous cohorts. The film blends elements of comedy with horror, featuring over-the-top violence, witty dialogue, and a mix of teenage antics and horror tropes. "The Babysitter" offers a fresh and entertaining twist on the classic babysitter horror subgenre.

6 American Psycho

"American Psycho" is a 2000 psychological thriller film directed by Mary Harron, based on the novel by Bret Easton Ellis. The movie follows Patrick Bateman, a wealthy and successful investment banker living in Manhattan during the 1980s. Despite his outwardly polished persona, Bateman harbors violent and sadistic impulses, which he indulges in by committing gruesome murders. As Bateman's psychopathic behavior escalates, he struggles to maintain his facade of normalcy while descending further into madness. "American Psycho" delves into themes of consumerism, identity, and the moral decay of society, offering a chilling exploration of one man's descent into darkness.

7 The Wretched

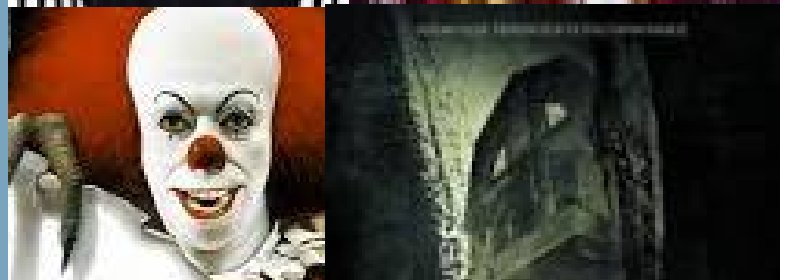
"The Wretched" is an underrated 2019 horror film directed by Brett Pierce and Drew T. Pierce. The story revolves around a teenage boy named Ben, who is spending the summer with his father in a coastal town. Ben discovers that his neighbors are being possessed by a malevolent creature that takes the form of a witch. As Ben investigates further, he realizes that the witch has been preying on the town for centuries, and he must confront the evil force before it consumes more victims. "The Wretched" delivers suspenseful scares and a fresh take on traditional horror tropes, making it a thrilling and eerie watch.

8 The Babadook

"The Babadook" is a 2014 psychological horror film directed by Jennifer Kent. The story centers around a single mother, Amelia, and her young son, Samuel, who are haunted by a sinister presence after reading a mysterious pop-up book titled "Mister Babadook." As their lives are increasingly tormented by terrifying occurrences, Amelia begins to unravel emotionally, struggling to protect herself and her son from the malevolent entity. "The Babadook" explores themes of grief, trauma, and the darkness that resides within the human psyche, offering a chilling and thought-provoking viewing experience.

9 IT 1990

"It" is a 1990 supernatural horror miniseries directed by Tommy Lee Wallace, based on the novel by Stephen King. The story unfolds in two timelines, focusing on a group of childhood friends who call themselves the Losers' Club. In the summer of 1960, the Losers' Club confronts an ancient evil entity that takes the form of Pennywise the Dancing Clown, terrorizing the town of Derry, Maine. After defeating Pennywise, they make a pact to return if "It" ever resurfaces. Nearly three decades later, when children start disappearing again, the adult members of the Losers' Club must honor their pact and confront their deepest fears to defeat Pennywise once and for all. "It" is renowned for its iconic performances, eerie atmosphere, and exploration of friendship, trauma, and the power of imagination in overcoming fear.



10 The Amityville Horror

"The Amityville Horror" is a 1979 supernatural horror film directed by Stuart Rosenberg, based on the book by Jay Anson, which is purportedly based on true events. The film follows the Lutz family as they move into a large house on Long Island, unaware of its dark history. Soon after settling in, they experience increasingly terrifying paranormal occurrences, including strange noises, ghostly apparitions, and disturbing visions. As the malevolent forces within the house escalate, the family's safety is threatened, leading them to confront the sinister presence haunting their new home. "The Amityville Horror" is a classic horror film known for its chilling atmosphere, intense performances, and enduring legacy in the genre.



INFORMATIONAL

Dry Ice

Making Dry Ice

Ellis Worcester



What is Dry Ice?

Dry Ice is the solid form of carbon dioxide, a chemical compound found in Earth's atmosphere. It does not contain dihydrogen oxide, or water, but shares a resemblance to water ice and has comparable properties, hence the name dry "ice". Despite its name, there are a few things that separate dry ice and water ice. First, dry ice is much colder. Freezing temperature for water is 32 degrees fahrenheit, while freezing temperature for carbon dioxide is -109 degrees fahrenheit. This is also what makes dry ice such a good cooling agent and why companies like restaurants or shipping companies use dry ice to keep things cool. The second major difference between dry ice and water ice is that dry ice does not melt, technically. Dry ice at room temperature will begin to lose stability, but instead of melting into a liquid form, it turns back into a gaseous state. This transformation from a solid to a gas is called sublimation. It is another reason dry ice is used to cool things, it doesn't leave behind any mess or get whatever needs refrigerating wet.

Making Dry Ice

The first step in making dry ice is to be prepared. Make sure you have all the materials needed beforehand. You will need:

- A CO₂ fire extinguisher (not all fire extinguishers use carbon dioxide, make sure you have one that does, or else it won't work.)
- Heavy Duty Gloves (Dry ice can be dangerous to touch with bare skin, so make sure you are properly protected!)
- A cloth bag or pillow case
- A large bowl or plastic container

Making dry ice like this is simple. First, make sure everyone involved is wearing heavy duty gloves. Then place the nozzle of the fire extinguisher inside the cloth bag. With one hand clamped around the mouth of the cloth bag, discharge the fire extinguisher. Dry ice will form in the bag. Deposit the dry ice into a bowl or other container. To make the dry ice sublime slower, you can store it in the freezer. (Do not store dry ice in a sealed container of any sort. When dry ice sublimates, it releases pressure which can cause sealed containers to burst).



Things to do with Dry Ice

Warning: Prolonged skin contact with dry ice is not safe. Dry ice freezes skin and causes frostbite with extended contact. Do not hold dry ice for more than a second or consume dry ice. Remember to always use heavy duty gloves when handling dry ice

- **Homemade Smoke Machine:** Take a chunk of dry ice and put it in a container of warm water. The dry ice quickly sublimates quickly, producing smoke! This is how smoke machines work to make smoke in haunted houses or movies.
- **Dry Ice Soda Reaction:** This experiment is similar to the coke and mentos trick. Put dry ice inside a bottle of soda (diet coke works best). Dry ice will release bubbles of carbon dioxide which attempt to escape the bottle, quickly bringing the soda with it too. This results in a truly spectacular eruption.
- **Dry Ice Explosion:** To perform this experiment, seal a large piece of dry ice in a plastic container. Make sure you aren't too attached to the container, as you won't be getting it back. As dry ice sublimates, it releases pressure, which will break the container and cause it to burst.
- **Freezing Bubbles:** Put dry ice in the bottom of a glass container, and wait five minutes for it to sublime. Blow bubbles into the container, some of the bubbles should freeze at the bottom! The bubbles won't pop because the air bubbles will float on the heavier carbon dioxide gas.
- **Coin in Dry Ice:** Insert a quarter into a block of dry ice. The coin will begin to make a shrill noise and vibrate. This is caused by heat in the coin altering the pressure of the dry ice.



Soda Experiment