



Anveshanam

...To Seek



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Anveshanam

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A History Of Comics

Comics, which originated in 1895 with "Yellow Kid," have evolved over time, with the Golden Age of comics from the 1930s to the 1950s introducing superheroes like Superman and Batman. These characters represented clear morals and direct narratives, often battling evil and upholding justice. The Silver Age, from the 1950s to the 1970s, saw comics shift towards deeper interconnected stories with more character depth, focusing on real-world problems like the Cold War. Marvel's Fantastic Four, for example, featured villains representing communist ideologies and were seen as evil and disruptive towards justice. Next was the rise of graphic novels in the 1970s. Comics were now focused on more mature stories than simple, happy ending stories superheroes offered. Art Spiegelman's "Maus" is an example which talks about the Holocaust. This era broke boundaries redefining comics with the idea that comics can be used



to attract an adult audience and is not solely for children. In the present day, we see the rise of digital comics. This helps readers get access to more comics and writers to get to more readers. Writers were allowed to freely write their opinions or ideologies without being restricted much by publications. Examples are "Scott Pilgrim vs the World" and "Saga". This era offered a new canvas allowing writers to introduce interactive elements and multimedia to captivate more readers. From the simple humorous lines of the "Yellow Kid" to complex novels and interactive experiences, comics have adapted and innovated with society over generations to keep readers invested with more advanced technology coming over ways comics seem to have on equally interesting future as its past'.

- Gautham, Class 11 Kamet

FOUNDER'S NOTE

Reflecting on our journey, I recall the timeless tales of our childhood - from the enchanting narratives of Amar Chitra Katha to the captivating adventures of Suppandi and the legendary exploits of Chacha Chaudhary. These Indian comic treasures, among others, have deeply influenced our imaginations and fostered our passion for storytelling.

As we journeyed through life, our interests shifted towards cartoons like Tom and Jerry, sometimes overlooking the depth of language and culture found in comics. This led to a loss of connection with our heritage. Today, I am proud to see the young Manthan generation embracing reading once again, particularly through eMag, rediscovering the joy of reading and reconnecting with our cultural heritage.

The additional articles you observe are related to competitions organized by external agencies, or those requested by teachers when special occasions occur or notable incidents take place.

Regarding competitions, at Manthan, we provide opportunities for all children to engage in competitions organized by external organizations and academies. Screening is conducted in the initial round, and the top-performing entries are selected to represent our institution in these competitions. These outstanding articles are subsequently published for the perusal of parents. Certainly, we cannot overlook the importance of sharing the joy experienced during the celebrations with our children. After all, such celebrations are akin to democracy created by them, for them, and with them.

With warm regards,
Geetha Narasimhan

What more you can find inside:

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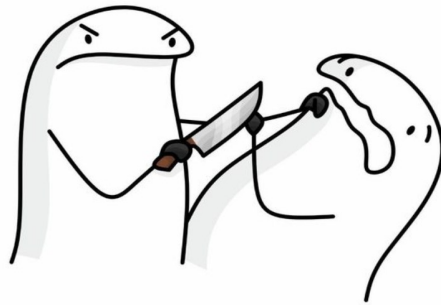
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Is Violence in Comics a Necessity or a Distraction?

Comics have captivated and entertained millions of readers for decades. One unavoidable part of comic books is the violence depicted in them. Verbal violence appears as use of profanities which can range from harmless colloquialisms like “darn” to explicit swear words. Physical violence is more well-known and is often used to attract readers especially in the superhero genre, because, who does not love a super powered fight? Heroes use violence to protect innocent people and are mostly selfless. Villains on the other hand use violence to further their own selfish goals and don't mind even killing others to achieve their



goals. Violence in comics is generally depicted in different forms such as war, and racism. For example, the mutants in Marvel are used as a stand in for racism against minorities. Violence in comics is almost unavoidable but it is not something we should shun or not engage with.

Violence in comics is almost unavoidable but it is not something we should shun or not engage with. Appropriate depiction of violence can be used to draw attention to, and, comment on social problems to raise readers' awareness about real world problems, apart from initiating discussion on the same. Appropriate depiction of violence can be used to draw attention to, and, comment on social problems to raise readers' awareness about real world problems, apart from initiating discussion on the same.

-Gautham & Rohit 11 Kamet

Persuasive Power of Comics and Cartoons

Persuasive Power of Propaganda in Comics and Cartoons Comics and cartoons wield an undeniable influence in shaping public perceptions, making them one of the most potent tools of propaganda. Throughout history, these visual narratives have been used as instruments in spreading biased information and falsified versions of an event, effectively molding public opinions and attitudes. During World War II, superhero comics like Captain America and Superman were used for wartime propaganda fostering a strong sense of patriotism and unity by portraying the virtues of the Allied forces and battling enemies that mirrored the Axis powers. Political cartoons with their satirical edge have been formidable in conveying propaganda messages. In the midst of the Cold War, editorial cartoons mocked political figures and used exaggeration to promote specific ideas while demonizing adversaries. Fast-forwarding to the present, propaganda in comics and cartoons has seamlessly transitioned into new media and technologies. Ani-



mated shows, web comics and graphic novels have become modern platforms for social and political commentary, reaching a global audience with influencing opinions. Works like “Maus” by Art Spiegelman and “Persepolis” by Marjane Satrapi provide nuanced perspectives on historical events. The X-Men series uses its narrative to advocate for inclusivity and diversity. These subtly engage readers in a form of visual propaganda that prompts reflection and empathy. As powerful tools for communication, the readers should recognize their potential to perpetuate misinformation and misleading facts. The propaganda can contribute to a distorted understand-

ing of historical events or the complex dynamic geopolitics as there can be multiple narratives to an event. “Doonesbury” by Gary Trudeau is a Pulitzer Prize-winning comic strip known for its satire and social commentary, it has faced criticism for its perceived liberal bias. Sometimes the strip provides a one-sided perspective of political figures and issues. Editorial cartoons in newspapers are often criticized for their potential bias. A cartoon mocking a political figure might be seen as humorous satire by some and as misleading or disrespectful by others. Therefore, often the propaganda in comics and cartoons mislead people into believing a particular idea and create controversies.

- Hari Charan S 11 Kamet

Unveiling Nature's Maze

The workers involved in the construction of the Silkyara Tunnel, in Uttarakhand had not anticipated the tragic tunnel collapse, which trapped them for 17 days. This article explains the catastrophe and its timely extraordinary rescue operation carried out by several teams. The 4.5 km Silkyara tunnel, a segment of the aspiring Chardham project was aimed at providing an all-weather road to link the four eminent pilgrim towns in Uttarakhand. On November 12th, a section of the tunnel crumbled, leaving 41 workers stranded as there were no escape routes. A massive rescue operation, also known as "Operation Zindagi", started with 3 lifelines being drilled to provide essential nourishment and enable visual communication with the trapped workers. Various state-of-the-art technologies like agur machines and plasma cutters



were brought from different areas like Slovenia, and Switzerland by air. However, the machines failed to fulfill the expectations of the rescuers. The first drilling machine broke down, halting the operation. The second too faced similar difficulties after drilling about three-quarters worth of debris. In the end, the rat-hole miners succeeded in the insertion of the pipe to the trapped workers rescuing all 41 of them. The workers rescued from the tunnel af-

ter 17 difficult days felt overjoyed when they spotted the rescuers in the tunnel. The workers breathed a sigh of relief and so did the nation after the rescue. The region is constantly plagued by earth quakes, landslides and floods, and this collapse was triggered by a landslide which occurred in a fragile Himalayan zone. On the whole, it was a risky project and should never have been undertaken in the first place. Notwithstanding the fact that, the herculean efforts of all teams to safely rescue all workers, demonstrate the human spirit, this was an avoidable tragedy. We can only hope that appropriate lessons will be learnt to mitigate such disasters in future.

**-Sreenithi V, Nallam Sri Bhavya ,
Nivetha E and Shruti - 10 Trisul**

Ignis Scientia

Ignis went beyond a contest; it was a learning journey. We tackled real-world issues, translating ideas into practical solutions. Transforming our conceptual ideas into a functional model proved to be a challenging yet enlightening journey. We were fortunate enough to present to a panel of judges from varying backgrounds. This experience shaped us, teaching resilience and effective presentation skills.

Magneto hydrodynamic propulsion system utilises the concept where charged particles experience a force (Lorentz force) when moving through a magnetic field. The electric fields cause charged particles dissolved in the water to move (fluids include plasma, liquid metals, saltwater, and electrolytes). Once moving, the ions are forced out of the channel and drag water with them. In accordance with Newton's third law this movement of water causes the vessel to propel forward.

Standing wave therapy, a method of cancer treatment, uses targeted ultrasound pulses to destroy tumour cells. Unlike traditional methods, it spares healthy tissue, potentially leading to faster recovery and minimal invasiveness. We envisioned a robotic arm which enables us to precisely target tumours making this treatment a reality.

Floating houses in true sense are those which do not require foundation and are based on the principle of buoyancy thus are also called buoyant homes. Thus the base of the structure needs to be such that it helps in floating as well as is capable of taking the dead load of the house, live load and other loads to be encountered by the house. There are two types of floating houses, one which permanently floats and other that float only during flood waters. Ignis went beyond a contest; it was a learning journey. We tackled real-world issues, translating ideas into practical solutions. Transforming our conceptual ideas into a functional model proved to be a challenging yet enlightening journey. We were fortunate enough to present to a panel of judges from varying backgrounds. This experience shaped us, teaching resilience and effective presentation skills.

DESIGN BOARD



Sudhanva 8 Chambal



Kaesho Kumar 8 Chambal



Ramyashri 9 Ganga



Sai Vivek 8 Chambal



V Harshini 9 Ganga



Kaesho Kumar 8 Chambal

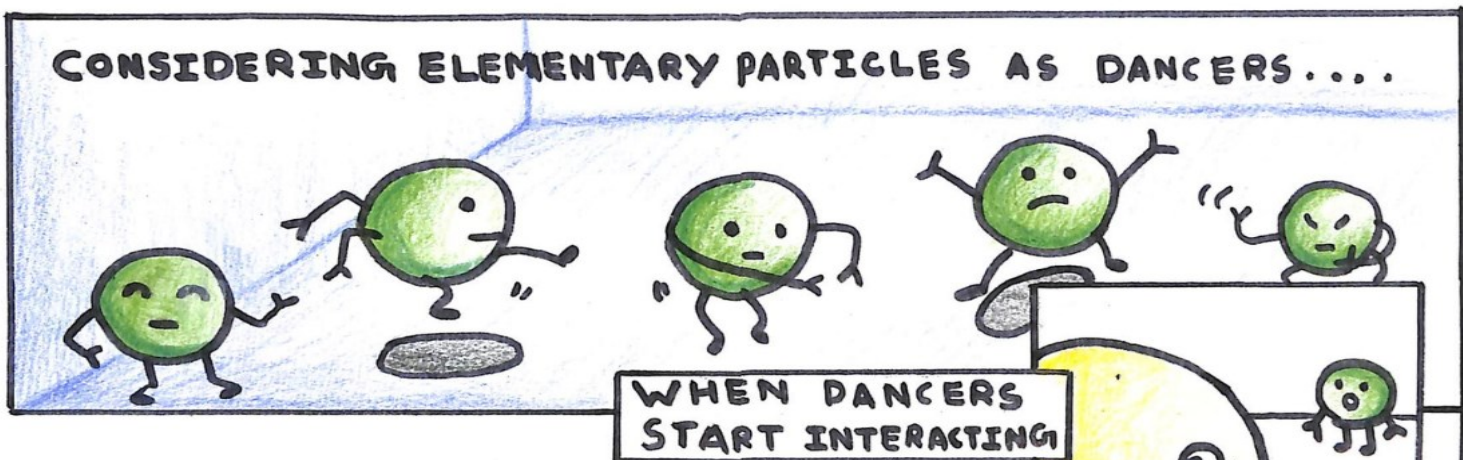


Sai Vivek 8 Chambal

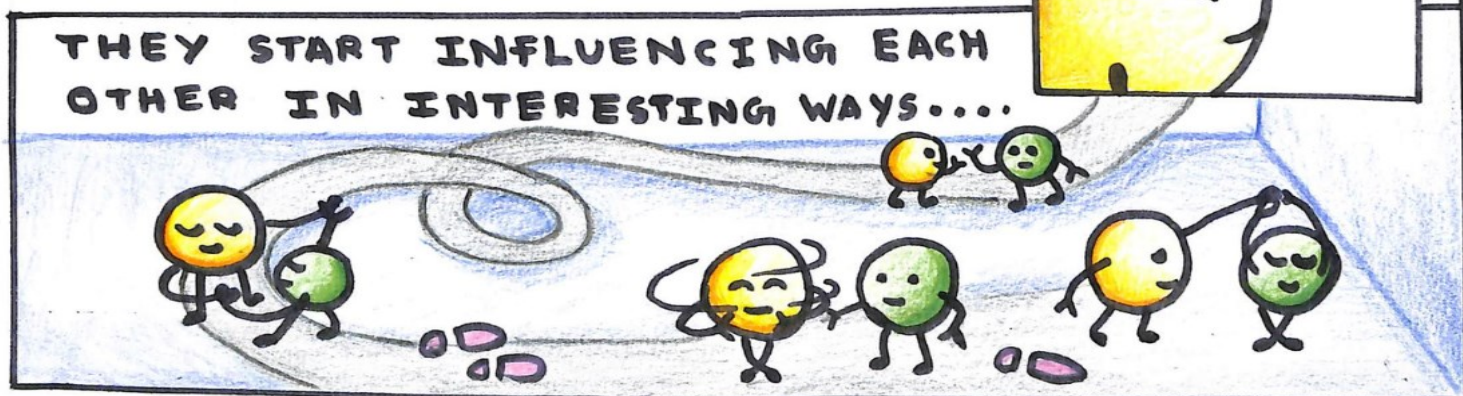
Quantum entanglement is the phenomenon of a group of particles being generated, interacting, or sharing spatial proximity in such a way that the quantum state of each particle of the group cannot be described independently of the state of the others, including when the particles are separated by a large distance. A simpler version is explained through the illustration below:

ENTANGLEMENT

CONSIDERING ELEMENTARY PARTICLES AS DANCERS....



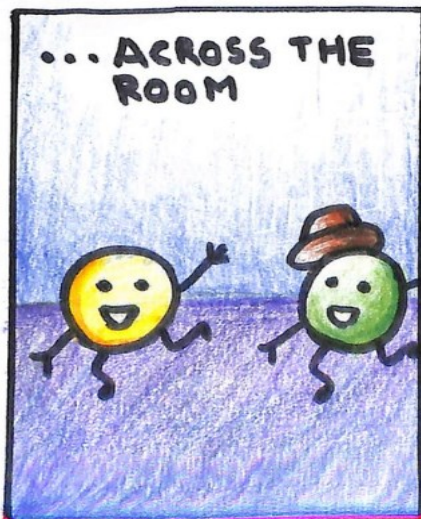
THEY START INFLUENCING EACH OTHER IN INTERESTING WAYS....



DANCERS MAY BE CLOSE TOGETHER..



... ACROSS THE ROOM



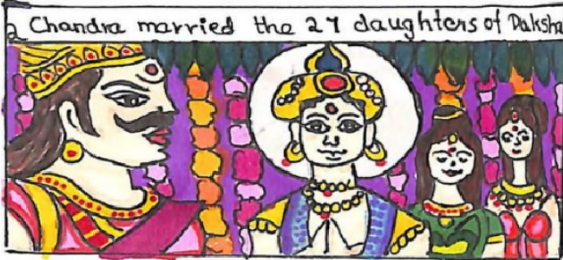
OR ACROSS THE UNIVERSE ...



Why does Chandra Favour Rohini More?

Learning From Our **Rody**: The Moon & the Nakshatras

Written by : Sudhanva V



For some time, the moon loved his 27 wives equally but later he showed great affection and care towards Rohini



The moon takes a path called the ecliptic. The approximate duration is about 27-days. This is known as one complete occultation.



The sky is divided into 27 parts and each part is identified with the brightest star named after the wives of the moon

We had observed that in every sphere the moon covered the star or came close to it. This was used to mark dates and also navigate ships.



In the path over the ecliptic, the moon occults with a few stars and it covers the principle star in the sphere. 7



Since Rohini lay between 4-6° of the eighth sphere she was the one covered frequently during the occultation, she was the one visited by the moon at least once a month



So now do you understand why everyday has a different nakshatra.



LYRICAL DELIGHTS

I wake up in the middle of nowhere;
stuck on an old rusty boat,
none to accompany,
except the lingering scent of the oak.
The pervading blue hues,
effortlessly refuting through the glistening canvas of the
sea;
competitively spanned as far as the sky.
controlled by the marionettes of the wind,
the boat and I wandered aimlessly;
Silence resonating everywhere,
that it softened my wistful yearn for help.
My wounds were healing in the salt,
for I found reflections of solace,
in the abundance of this serene azure.

-Sreerithighaa, Class 12 Kanchenjunga

The sky looks dark today,
As though it is in great dismay.
The ponds and lakes are filled to the brim,
The waves seem destructive making the sea look grim.
There is water water everywhere!
Splish-splash! Pitter-patter!
I can hear and see nothing but water,
And to the cats this is a serious matter.
The stray puppies are jumping in muddy puddles,
While the children are at have asking their mothers for
warm cuddles
There is water water everywhere!
While staring outside the window blankly,
I notice something crazy but frankly,
The dripping of the water droplets seem like a cool beat.
It might play in my head on repeat.
There is water water everywhere!

-Sri Chakrika, 8 Chambal

தண்ணீர் தண்ணீர்

எங்கும் தண்ணீர்
மழை பொழிவதை கொண்டாடினோம் அன்று
மனை மூழ்கக் கூடாது என வேண்டினோம் இன்று
வடிகால்களையும் வாய்க்கால்களையும் மாற்றினோம் குப்பைக்கூளமாக
வாரி வழங்கிய அன்னையின் பதில் வந்தது வெள்ளமாக
மானுடன் மண்ணிற்காக மயங்கியதில் பலியானது ஏரிகள்
வந்த வெள்ளத்தில் மனிதம் மூழ்கியதால் கண்ணீர் விட்டதோ மானுடர்கள்
யாதும் ஊரே யாவரும் கேளிர் யாவருக்கும் பொருந்தவில்லை
பத்தும் செய்யும் பணம், பால் கூட வாங்கித்தரவில்லை
சாதி, மதம், நிறம், பணம், என எல்லாம் செயலிழந்தது
மனிதம் என்ற அடையாளம் ஒன்றே கைக்கொடுத்தது
என்ன வளம் இல்லை இந்த திருநாட்டில் என்பது அன்று
காப்பாற்றுங்கள்! உணவு இல்லை என் வீட்டில் என்பது இன்று
தான் கையே தனக்கு உதவி என மாரி உணர்த்தியது
மக்கள் ஒரு வாரம் தவித்தபின் கற்ற பாடம் ஏதுமில்லை
அளவை மீறிவிட்டோம் என இயற்கை எச்சரிக்கிறது
மதம் பிடித்து அலையும் மனிதனின் எதிர்காலம் கேள்விக்குறியாகிறது

-Soohasene, 12 Kanchenjunga

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Sarath Vikram B

Padmini Swaminathan

CULTURE & HERITAGE

Pongal Celebrations

We the students of Class 7 Purna were given the opportunity of hosting the Pongal event in our school, which gave us a chance to showcase our talents. We had some practice sessions, which gave us a clear idea about what we were supposed to do. Few days before the program we made the props required. Few hours before the program we were tensed and nervous, but the audience cheering boosted us with energy. Everyone liked the girls' dancing and the boys' drama which was followed by a song sung by our

fellow classmates. Not only these programs but also our friend's Silambam skills was liked by many. Everyone had a good time enjoying the program. We also had an opportunity of playing games like Tug of War, Uriyadi and Musical hoops. Tug of war was two fighting to pull the rope for victory. Uriyadi was to hit the pot with the eyes tied with a cloth. Musical hoops is similar to Musical chair, but instead of chairs we had hoops.



Karthigai Deepam - Diwali's little sister

Recently, our class, 8 Indus hosted our school's Karthigai deepam celebrations. They involved a semi classical dance 2 carnatic songs and a talk show.

Karthigai deepam is also known as the festival of lights as it involves lighting diyas all over the house. Our class was lucky enough to be able to bring out the significance of this festival. Usually, practice sessions are long, strenuous and boring but we did not feel anything like that; rather, we enjoyed the sessions that made us the spirit of Lord Shiva and Vishnu.

Hanuman Jayanthi

On the 6th of January we celebrated the birth of the greatest devotees of Lord Rama, namely, Hanuman. He is such a brave and loyal devotee, that, at Lord Rama's behest, he carried a huge mountain to save Lakshmana, the brother of Lord Rama. The event coincided with our exams. We had a hard time practicing for the program as well as studying for our exams. Nevertheless, we stayed back in the evenings and practiced with the guidance of our teachers. We also had tonnes of fun

while preparing. Finally, when the day arrived, we were all filled with nervousness. With permission from our teachers, we skipped a few classes for one last rehearsal, which however was not enough for the Hanuman Chalisa. We got ready in our colourful dresses for the show. The audience assembled in the hall. The program began with a devotional Bhajan followed by a graceful dance. Next was a humorous and interesting drama, that was really appreciated. The last was the recitation

of the Hanuman Chalisa. We gave our best, but somehow a member from our group made a mistake. It was unexpected but with God's grace no one noticed it and we managed to overcome this circumstance. The program, overall, was successful, but it also made us realize that success requires hard work. The audience enjoyed the performance even as enjoyed performing for them. Jai Shri Ram! Jai Hanuman!

