



National Public School

HOSUR ROAD

FIRST FORUM



Issue: 19
NPSHRD: May - July 2026



At The Helm

Anchored in Values-The Roots We Must Not Lose

"We want the education by which character is formed, strength of mind is increased, the intellect is expanded, and by which one can stand on one's own feet."

— Swami Vivekananda



Behind the pen

"A page may hold only words, but within them lies a world waiting to be discovered."

Welcome to the first edition of
The First Forum for the academic year
2026–27!

We, the students of Grades 11 and 12, are delighted to present this edition, thoughtfully created with imagination, curiosity, and collaboration. More than just a collection of articles, The First Forum is a reflection of our experiences, ideas, achievements, and the vibrant spirit of our school community.

From celebrating accomplishments in 'Spotlight' and revisiting memorable moments in 'Campus Chronicles' to exploring opinions in 'Voices and Views', exciting updates in 'Buzz Boards', artistic expression in 'Canvas and Quills', and new ideas in 'On the Horizon' each section has been put together to offer a glimpse into the many facets of school life.

As you turn these pages, we hope you discover stories that inspire you, perspectives that make you think, and moments that bring a smile. We have enjoyed creating this edition and hope you enjoy being a part of the journey as much as we have.

So, settle in, turn the page, and let the stories unfold!

Happy Reading!
Grades 11 & 12 Editorial Team

Every year, as Independence Day approaches, every Indian speaks of freedom with pride. We remember the sacrifices of countless men and women who dreamt of an India that would stand tall, govern itself, and shape its own destiny.

Yet, seventy-nine years later, perhaps the more important question before us is not whether we are free, but what we choose to do with that freedom.

We live in a world that celebrates speed, convenience, and constant change. We are becoming more connected digitally, but often less connected personally. In this rapidly changing landscape, the challenge before today's generation is not merely academic excellence or career success. It is the challenge of remaining anchored to values that give meaning and direction to life.

Our culture has never measured success solely by achievement. It has always placed equal importance on character. Long before terms such as emotional intelligence, mindfulness, or holistic development became popular, Indian thought emphasised self-discipline, respect, gratitude, humility, and responsibility. These were not merely virtues to be admired; they were principles to be lived.

One of the greatest gifts of our civilisation is the understanding that progress and values are not opposing forces. A person can be ambitious without being arrogant. One can be modern without becoming disconnected from tradition. One can embrace innovation without discarding wisdom.

Unfortunately, many young people today are growing up in an environment that often equates freedom with the absence of boundaries. The message they receive is that independence means doing whatever one wishes, whenever one wishes. Yet true freedom has never meant the absence of guidance.

"Freedom is not freedom from respect. Freedom is not freedom from values."

This is where the role of parents and teachers becomes invaluable.

There was a time when elders were regarded as the custodians of wisdom. Today, young people can access answers to almost any question within seconds. Yet there remains a profound difference between information and wisdom. Information tells us what is happening. Wisdom helps us understand what ought to be done.

Parents and teachers may not always speak the language of current trends, but they understand something far more enduring—the consequences of choices, the importance of resilience, the value of integrity, and the strength that comes from living with purpose.

Their guidance is a compass that helps young minds navigate an increasingly complex world.

A nation does not become great because of its buildings, technology, or wealth alone. It becomes great because its citizens possess character. The future of India will not be determined merely by how many engineers, doctors, entrepreneurs, or scientists we produce. It will be determined by whether these individuals act with honesty, compassion, responsibility, and respect.

As we move towards the future, may we never lose sight of the roots that have sustained us for generations. For it is only when we remain rooted in values that we can truly rise to our highest potential. The India of tomorrow needs young people who are: Rooted, yet ambitious, Disciplined, yet compassionate, Modern, yet mindful!

Mrs. Usha Mahesh Reddy
Director - Principal



The First week of Kindergarten

The first week of kindergarten is a whirlwind of firsts. For our tiny tots, it marks a milestone of transitioning from the secure home environment into the wider world of school. For Pre-K and kindergarten 1 students through engaging sensory play, gentle storytelling, and interactive group games, these eager little ones built foundational friendships, discovered their vibrant new classrooms, and seamlessly transitioned into their exciting school routines. Our Kindergarten 2 classrooms buzzed with joyful energy as the new academic year began. Stepping into a vibrant new environment, our little learners were warmly welcomed by enthusiastic teachers and colorful decorations. The first few days were carefully structured to help the children to feel comfortable. The first week of school laid the perfect groundwork for a fantastic year of exploration, wonder, and growth. The atmosphere on campus was buzzing with energy and anticipation. Teachers transformed classrooms into welcoming spaces, setting the stage for a year of joyful learning. We are so proud of our Kindergarten stars and look forward to watching them shine! feel safe, secure, and ready to learn.



Environment Day



Kindergarten 2 celebrated Earth Day on the 5th of June through a meaningful and engaging sensory experience that helped children connect with nature and appreciate the gifts our planet provides every day. The celebration began with a warm welcome as teachers greeted the children with colourful ribbon wands representing the Earth's natural elements and introduced the significance of Earth Day. The children then explored a "Living Sensory World" featuring leaves, pebbles, small plants, nature pictures, and bowls of water. Through touching, feeling, smelling, and observing, they discovered the beauty and richness of nature. The young learners enthusiastically participated in an Earth Treasure Hunt and a movement activity where they pretended to be trees, raindrops, and butterflies, bringing nature to life through play. A simple story about caring for the environment further reinforced the importance of protecting our planet. The celebration concluded with a special "Pocket Earth Ceremony." Each child received a pouch containing a seed, pebble, leaf, and water drop symbol, representing the treasures of our Earth. Together, the children proudly recited their Earth pledge:

Jubilant June

Our first month of kindergarten has been a joyful journey filled with smiles, learning, and memorable experiences. From the excitement of the first day of school to capturing precious moments at our photo booth, every day marked the beginning of a wonderful adventure. Children happily settled into their daily routines, enjoying snack time, energetic dance sessions, exciting playtime, and cheerful dispersal moments. A special highlight of the month was celebrating International Yoga Day, where our little learners joyfully performed simple yoga poses and learned the importance of yoga in everyday life. We also celebrated Environment Day through meaningful activities that encouraged children to appreciate and care for nature. Each day was filled with engaging learning experiences as children explored letters, numbers, stories, rhymes, art, sensory play, and hands-on activities, nurturing curiosity, confidence, creativity. As we look back on this wonderful first month, we celebrate every smile, every achievement, and every joyful moment that has laid the foundation for an exciting year of learning, growth, and discovery.

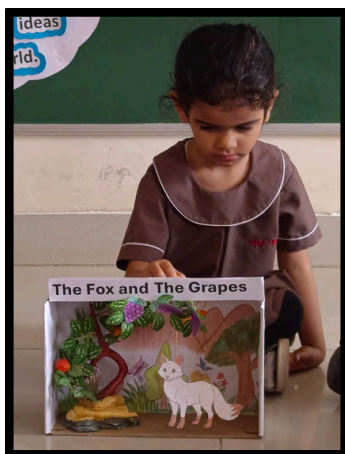


Theme of the month Omoiyari Kindness

“Omoiyari” is a beautiful Japanese concept that means consideration, empathy, and kindness toward others. In our kindergarten classroom, this value became a special part of our monthly learning. Our little learners explored simple and meaningful ways to care for the people around them. Through stories, songs, role-play, classroom activities, and everyday interactions, children learned that kindness can be shown through even the smallest actions. Our weekly Omoiyari sessions helped children understand that kindness is not just something we talk about—it is something we feel, practise, and share. These small experiences help our young learners develop empathy, respect, cooperation and a caring attitude toward others. Every kind word, every helping hand, and every thoughtful gesture is a step toward building a kinder world.



July Moments



July was a month filled with joyful learning, exploration, creativity, and lots of fun at kindergarten! Our pre-K little learners strengthened their fine-motor skills through strokes and peg activities, while also exploring important early concepts like Big and Small. Our KG1 learners enjoyed learning capital and print letters, building their letter recognition and early literacy skills through engaging classroom activities. Our KG2 children confidently participated in Show and Tell, speaking about a variety of interesting topics and developing their communication, vocabulary, and confidence. They also explored concepts such as Big and Small, Tall and Short, and more through fun, hands-on learning experiences. And, of course, playtime brought plenty of smiles, laughter, sharing, teamwork, and opportunities to learn through play! Every activity was a little step towards becoming more confident, curious, and independent learners.

Show and Tell

Our Kindergarten 2 children enjoyed Show and Tell activities every week, with a new and interesting topic each time. These activities gave our little learners an opportunity to bring something special from home and share it with their friends. The children participated with great excitement and full energy. They happily brought their favourite objects, pictures, toys, and other items from home based on the weekly topics. It was wonderful to see them stand in front of their friends and speak confidently about what they had brought. They shared their ideas, described their objects, and listened to their classmates with interest. Through Show and Tell, our children are developing important skills such as speaking clearly, expressing their thoughts, listening, building confidence, and speaking in front of a group.

Every week brought new topics, new objects, and lots of enthusiasm!

Our little speakers are growing in confidence, one Show and Tell at a time!



The First Week of Freshers

For the Freshers, the first day in Montessori was a memorable experience filled with excitement, curiosity, and new discoveries. Accompanied by their parents, the children settled into their respective environments and eagerly explored the Montessori materials thoughtfully arranged for them. Circle time was filled with joy as children participated in rhymes and songs, fostering a sense of comfort and belonging. Handmade welcome cards added a special touch to the day, making each child feel warmly welcomed and valued.



First Week Of Juniors And Seniors



The first week at Montessori was a beautiful blend of emotions, discovery, and new beginnings for the Juniors and Seniors Children. Through structured activities, warm interactions, and nurturing guidance, the Montessori children gradually adapted to their surroundings, marking the start of a promising and enriching academic journey.

Parent Orientations

The Montessori Orientation program was held at GMC and the main objective was to make the parents aware of the academic aspects of the course, the rules and regulations of the institute and ensuring parental participation in monitoring the performance and progress of children. Parents were addressed by Sajitha Ma'am our Mentor to give them an introduction regarding the academic disciplines.

Three days of Orientation was held by Nuthan to educate the parents about few topics like things to carry, toilet training and school rules. Teachers introduced the learning materials that children will engage with throughout their Fresher year, explaining each area to help parents understand the purpose and significance of the materials used in the Montessori environment. An orientation was conducted for the parents of Montessori Seniors and Juniors to refresh and keep the parents informed, connected, and ready to support their child's academic journey.



World Environment Day



Environmental Day was celebrated by the Montessori students at GMC with fun and meaningful activities to create awareness about nature and sustainable living. Teachers discussed the importance of saving water, energy, and trees during circle time.

The children enjoyed colouring, making globes, and exploring nature through a walk around the campus, where they observed plants, butterflies, and birds. Senior children also sowed seeds, learning the importance of nurturing and caring for plants.

The celebration was an engaging experience that encouraged children to love, respect, and protect our environment.

International Yoga Day

The International Yoga Day was celebrated at GMC on 22nd June to promote discipline, peace, and healthy living. Children enjoyed warm-up exercises and practised simple asanas like Vajrasana, Vrikshasana, Balasana, Padmasana, followed by Surya Namaskar and meditation.

Through the story “Rachel’s Day in the Garden,” children enthusiastically imitated different yoga poses. They also sang “Hum Honge Kamyab” to mark World Music Day. The celebration was a joyful and enriching experience promoting physical and mental well-being.



Colour theme- Primary Colours

At Montessori the month of July was a vibrant journey through the ‘Splash of Colours’, bringing excitement and creativity to every corner of the classroom. To mark this lively theme, specific days were dedicated to different hues, making each week a colorful adventure. The month began with a focus on Primary Colours. Throughout the first week, children came dressed in red, blue, and yellow, lighting up the school with their cheerful outfits. Engaging activities were tailored to each age group.



Secondary Colours

The spotlight shifted to the Secondary Colours during the week 2 of the colour theme celebrated by the Montessori children. Here children arrived at school dressed in beautiful shades of orange, green, and purple. The Seniors deepened their understanding of colour theory by bringing objects that represented secondary hues and engaging in meaningful discussions about their significance. The Juniors selected images corresponding to each colour and demonstrated focus and creativity while colouring them within carefully prepared worksheets. The youngest learners embraced the theme through sensory craft activities, joyfully using knuckle prints, footprints, and fingerprints to create imaginative representations of carrots, grapes, and trees.



Tertiary Colours

The Tertiary Colours were culminated in a celebration of wrapping up the month’s colourful journey with enthusiasm and creativity. Children arrived in delightful blends of hues like red-orange, yellow-green, and blue-violet, bringing a lively burst of colour to the campus. The Freshers enjoyed creating charming crafts such as clouds, trees, and flamingos using their handprints, turning simple materials into imaginative artwork with the support of their teachers. The Juniors continued to explore colours through engaging colouring activities, carefully filling in designs that reflected the week’s theme. The Seniors took to the spotlight once more, participating in public speaking sessions where they confidently presented and spoke about objects representing tertiary colours. This activity encouraged both creativity and self-expression, rounding off the month with a sense of accomplishment.



Monthly Treats

The Monthly Treats for June, themed “Healthy and Junk Food,” and July, themed “Colourful Healthy Food,” were delightful and enriching experiences for the children. Parents went the extra mile to prepare vibrant, nutritious, and creative snacks that sparked curiosity and excitement among the young learners.

The teachers engaged the children in meaningful conversations about the benefits of eating healthy food and the ways in which excessive consumption of junk food can affect our health.

It was heartwarming to see the joy on the children’s faces as they eagerly opened their tiffin boxes and proudly shared the colourful and creative snacks prepared at home. The variety and attractive presentation of the food captured their attention and encouraged thoughtful conversations about healthy eating habits.

Through these engaging experiences, the children not only enjoyed delicious food but also developed a greater awareness of the importance of making healthy and nutritious food choices.



Campus Chronicles

First Day of School

On 3rd June 2026, NPS Hosur Road warmly welcomed its little freshers into a new world of learning, discovery, and friendship. Their first week was filled with cheerful smiles, curious explorations, new friendships, and gentle introductions to their surroundings.

With the support of caring teachers, our young learners took their first steps towards confidence, independence, and a love for learning, making their beginning at NPS Hosur Road truly special.



Parent Orientation



NPS Hosur Road conducted Parent Orientation Sessions for Grades 1–12 to mark the beginning of the new academic year 2026–27. Parents were introduced to the curriculum, school routines, updates from CBSE, assessment patterns, and academic support systems, along with practical guidance on supporting their children during these crucial years.

An interactive Q&A session provided parents an opportunity to address their queries and understand the school's approach to guidance and mentoring. The sessions strengthened the school-home partnership, reaffirming the shared commitment to students' holistic growth and academic success.

World Environment Day

As part of the Value of the Month initiative, NPS Hosur Road explored the theme of Responsibility through a week-long focus on environmental awareness, commemorating World Environment Day on 5th June 2026. Students across Grades 1–5 participated in meaningful activities ranging from learning about waste segregation and the Three Rs to taking a Green Pledge, creating eco-friendly slogans, and expressing their love for the Earth through creative activities. The Green Stamp initiative further encouraged students to adopt sustainable habits.

Through these simple yet impactful actions, students discovered that caring for the environment begins with responsible choices and everyday habits, inspiring them to contribute to a greener and healthier future.



Founder's Day



National Public School - Hosur Road, celebrated its 8th Founder's Day on 19 June 2026, commemorating a legacy of excellence, values, and vision. The occasion was graced by our Managing Trustee, Mr. Mahesh Reddy ; Director-Principal, Mrs. Usha Mahesh Reddy, Academic Coordinators, teachers, and students.

The Founder's Cup Inter-House Basketball Tournament witnessed enthusiastic participation, with Challengers House emerging victorious after an exciting and closely contested match. The celebrations concluded with special treats for all students, fostering a spirit of camaraderie and togetherness. The occasion served as a meaningful reminder to honour our legacy and carry forward the vision of nurturing responsible, future-ready learners.

National Reading Day

NPS Hosur Road celebrated Reading Day on 19 June 2026, bringing stories, imagination, and creativity to life for our young readers. Students across Grades 1–5 participated in engaging activities, from Kamishibai storytelling by a guest storyteller from Scholastic India to a Hindi puppet show and creative reading activities.

Grade 5 students explored the life and legacy of P. N. Panicker and created author fact maps, while Grade 4 students contributed to a 'Reading Tree' with their favourite books and authors. The celebration encouraged curiosity, creativity, critical thinking, and a lasting love for books and stories.



Campus Chronicles

International Yoga Day and World Music Day

NPS Hosur Road celebrated International Yoga Day and World Music Day on 21 June 2026, highlighting the importance of holistic well-being, creativity, and self-expression. Students embraced the practice of yoga, reflecting on mindfulness, balance, and healthy habits. The occasion also marked the launch of the school's in-house publication, *Inner Harmony: A Journey Through Yoga*, unveiled by the Principal. To mark Music Day, students participated in an engaging music quiz that encouraged listening, teamwork, creativity, and cultural appreciation. Together, these celebrations reinforced the belief that true education nurtures not only the mind, but also well-being, imagination, confidence, and the joy of expression.



Investiture Ceremony



The Investiture Ceremony at NPS Hosur Road on 25th June 2026 celebrated leadership, responsibility, and legacy. The ceremony marked the conferring of the School Prefect badge upon Yashita Prabhu by our Director Principal, Mrs. Usha Mahesh Reddy, inspiring the newly elected council to lead with accountability, humility, and dedication.

A special highlight was the presence of the Class of 2026, the school's pioneering alumni batch, who presented badges to the House Captains and were honoured with Certificates of Achievement. The announcement of the club leaders from Grades 9 and 11 further marked a meaningful transition of leadership across generations.

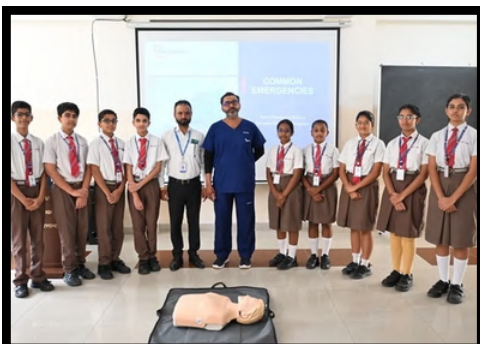
Vocational Training Automobile 2026

NPS Hosur Road is fostering future-ready learners through hands-on vocational training for students of Grades VI–VIII, aligned with the vision of NEP 2020 and the CBSE Skill Education framework. As part of the initiative, Grade VII students received practical training in basic automobile maintenance, learning to identify tyre issues and repair a car tyre puncture.

The experiential session went beyond technical knowledge, building self-reliance, problem-solving skills, confidence, and preparedness for real-life situations. Through such practical learning experiences, NPS HRD continues to equip students with skills that extend beyond the classroom and into everyday life.



Vocational Training First Aid and CPR 2026



NPS Hosur Road continues to nurture future-ready learners through hands-on vocational training for students of Grades VI–VIII, in line with NEP 2020 and the CBSE Skill Education framework. As part of this initiative, Grade VIII students received practical training in CPR and First Aid, learning essential techniques for cardiopulmonary resuscitation, wound care, and emergency response. The session equipped students with life-saving skills, confidence, responsibility, and preparedness, helping them respond effectively during emergencies. Such experiential learning bridges the gap between the classroom and real life, empowering students to become capable, compassionate, and responsible citizens.

Campus Chronicles

Guest Lectures - Ms. Devi S Nair

NPS Hosur Road hosted an engaging session for Grades 10–12, led by seasoned educator Ms. Devi S. Nair, on “How Your Choices Today Affect Your Tomorrow.” The session encouraged students to reflect on purposeful decision-making and visioning through interactive activities and thought-provoking discussions.

Exploring ideas of freedom, responsibility, entitlement, and identity, students gained valuable insights into shaping their unique journeys with self-awareness, confidence, and purpose, recognising how today's choices can shape tomorrow's leaders.



Guest Lectures - Ms Garvita Gulhati

Students of Grades 10 and 12 at NPS HRD interacted with Ms. Garvita Gulhati, distinguished alumna of NPS KRM, who shared insights from her academic and entrepreneurial journey. She encouraged students to approach their board year with consistency, resilience, and purposeful planning.

Her inspiring journey of launching the Why Waste Water? Campaign in Grade 10 showed how a simple idea can create meaningful change. The session also explored higher education, leadership, social entrepreneurship, and creating impact beyond academics, inspiring students to pursue their aspirations with confidence.



Guest Lectures - Mr. Vikas Baligar



Students of Grades 10 and 12 at NPS Hosur Road attended an inspiring session with distinguished NPS Indiranagar alumnus, Mr. Vikas Baligar, who shared insights from his journey to success. He highlighted the importance of consistency, resilience, purposeful planning, and embracing opportunities.

The interactive session encouraged students to explore higher education, leadership, entrepreneurship, and meaningful impact, inspiring them to face challenges with confidence and pursue their aspirations with determination.

Kargil Vijay Diwas

Honoring our heroes is never just a formality; it is something that really hits home. At National Public School, Hosur Road, we observed Kargil Vijay Diwas with a special assembly dedicated to the absolute courage and sacrifice of the Indian Army. A student speaker started the assembly with an inspiring message about keeping national pride alive, which was followed by a heartfelt Hindi poem that really captured the heavy sacrifices made during the war. One of our teachers then gave an insightful talk about the unbelievable resilience our troops showed fighting in such brutal terrain to protect the country. We concluded the assembly by reciting the National Pledge together as a school, reminding us all not to take our freedom for granted and to stay responsible citizens.



Global Admissions Fair - University Fair



NPS Hosur Road hosted the Canam Global Admissions Fair 2026 for students of Grades 10–12, offering them an opportunity to interact with representatives from leading international institutions such as the University of Manitoba, University of Ottawa, Concordia University, Simon Fraser University, University of New Brunswick, Wilfrid Laurier University, Mohawk College, Bow Valley College, Lakeland College, and North Island College. Students explored courses, admission requirements, scholarships, co-op programmes, campus life, and global career opportunities, gaining valuable insights into studying abroad and making informed choices for their future.

Campus Chronicles

Extraordinary Adventures - Grade 5

Grade 5 students explored collaborative storytelling and tabletop role-playing in small groups led by Ms. Tharunya Balan. The five groups represented the elements of Nature—Storm, Earth, Fire, Water, and Air. Students took on simple characters with traits such as Strength, Wit, and Speed, working together to make decisions, solve challenges, and shape a shared adventure using dice rolls. The activity fostered teamwork, verbal expression, decision-making, and confidence, while ensuring every student had an opportunity to participate, contribute, and express themselves creatively.



Life Skills Cookery Class

As part of the No Bag Day initiative, students of Grades 2–5 participated in a delightful hands-on cookery session, preparing refreshing lemonade and a variety of healthy sandwiches. Through measuring ingredients, following instructions, mixing flavours, and assembling their creations, students developed planning, teamwork, independence, and decision-making skills. The session also introduced them to healthy food choices, balanced nutrition, hygiene, and food safety, encouraging them to handle food responsibly and maintain a clean workspace. Filled with creativity, excitement, and plenty of smiles, the activity transformed learning into a practical and enjoyable life-skills experience, creating memories beyond the classroom.



Eye Camp



NPS Hosur Road organised a Vision Screening Camp for students of Grades 2–6, reinforcing the importance of regular eye care and holistic student well-being. The screening used the Plusoptix Pediatric Vision Screener, a child-friendly, touch-free device that enabled quick and comfortable vision assessments.

The initiative aimed to promote early identification of vision concerns and greater awareness of eye health, especially in the context of increasing screen exposure among children. Through such initiatives, NPS HRD continues to ensure that health and well-being go hand in hand with academic excellence, creating a safe and supportive environment for every learner.

Value Of The Month July - Honesty



At National Public School, Hosur Road, we believe that strong character is built through the choices we make every day. As part of our Value of the Month initiative, students explored the theme of Honesty through assemblies, stories, role-plays, discussions, and reflective activities.

These experiences highlighted the importance of truthfulness, integrity, accountability, and the courage to do what is right. Students learnt that honesty goes beyond speaking the truth—it means being sincere in our words, responsible for our actions, and trustworthy in our relationships.

Honesty builds trust. Trust strengthens relationships. And integrity shapes character. Through this initiative, students were encouraged to make honesty not just a value they learn, but a value they live every day.

“A man of character is one who knows the right thing and does it.” — Mahatma Gandhi

FIELD TRIPS

This year, students from Grades 1 to 8 turned learning into memorable experiences through enriching field trips across Bengaluru. Visits to the Namma Bengaluru Aquarium, Cubbon Park, Electronic City Fire Station, HAL and HMT Heritage Centres, Visvesvaraya Industrial & Technological Museum, Vidhana Soudha, and Bangalore Milk Union brought lessons to life through exploration and firsthand observation. These experiences connected classroom learning with the world beyond, while nurturing curiosity, teamwork, awareness, and a spirit of discovery.

Namma Bengaluru Aquarium and Cubbon Park - Grade 1



Electronic City Fire Station - Grade 2



HAL Heritage Centre and Aerospace Museum - Grade 3



Campus Chronicles

Visvesvaraya Industrial & Technological Museum - Grade 5



Vidhana Soudha - Grade 6



Vidhana Soudha - Grade 7



Bangalore Milk Union Limited - Grade 8



Buzz Board

Can AI Understand Human Emotions?

Can AI read a smile or tear,
And know the hope we hold so dear?
It learns our words, our voice, our tone,
Yet never feels them as its own.
It listens well and answers fast,
Drawing from the world's vast past.
It offers comfort, shares ideas,
And helps us through our doubts and fears.

But love and laughter, joy and pain,
Are more than patterns it can train.
Though AI grows more wise each day,
The human heart still leads the way.

Together, minds and machines can be
A team that shapes tomorrow's sea.
With kindness, wisdom, care, and art,
AI learns—but humans give it heart.

-Kaushik Nukala 12 A

CRISPR: A New Era of Gene Editing

Imagine having the ability to fix a person's genetic code as easily as we could fix a typo on a document. That is the gift that CRISPR technology gives us. An innovation created from a natural defense mechanism used by bacteria, CRISPR (which stands for Clustered Regularly Interspaced Short Palindromic Repeats) enables scientists to alter DNA with unprecedented precision. Scientists can utilize this powerful tool to conduct studies in medical fields, enhance plants and food supplies, and find cures for genetic diseases like sickle cell anemia. However this wonder of modern science has led to ethical debates about genetic engineering and the morality of altering our genetic makeup for future generations. Therefore, scientists around the world must conduct research using CRISPR responsibly and under strict guidelines. The most crucial factor about CRISPR is its accuracy. Unlike other gene-editing tools, this technology is faster, easier to use, and cheaper than previously-used methods. Because of this groundbreaking innovation, scientists have been able to make incredible new discoveries in the field of genetic research. As of now, CRISPR has become one of the most valuable tools for genetic engineering. Although CRISPR has shown to be effective for a variety of purposes, scientists have begun to question whether gene-editing is moral, especially if these edited genes are passed down to future generations. Thus, gene-editing in general, and CRISPR specifically, must be used with caution and precision

-Soujanya Shanthakumar Reddy 12 A

When Reality Becomes a Probability: The Strange World of Quantum Physics

For centuries, scientists believed that if we knew the position, speed, and forces acting on every object in the universe, we could theoretically predict exactly what would happen next. The universe seemed to function like a perfectly predictable machine. Then came quantum physics. At the microscopic level, nature does not behave the way our everyday experience suggests it should. An electron, for example, cannot always be described as a tiny ball moving along a definite path. Instead, quantum mechanics describes the probabilities of where it might be found. Before a measurement is made, a particle can exist in a combination of possible states—a phenomenon known as superposition.

The famous double-slit experiment makes this even more mysterious. When individual particles are sent through two slits, they can produce an interference pattern, as if each particle behaves like a wave and somehow passes through both possibilities. Yet when scientists try to determine which slit the particle actually went through, the pattern changes. This raises a profound question: Does measurement merely reveal reality, or does it somehow influence what reality becomes?

Quantum physics also tells us that certain pairs of properties, such as position and momentum, cannot both be known with unlimited precision. This is not simply due to imperfect instruments; it is a fundamental feature of nature itself. The quantum world may seem strange, but its principles are not merely philosophical ideas. Transistors, lasers, medical imaging, computer technology, and many modern devices depend on quantum mechanics.

Perhaps the greatest lesson of quantum physics is that reality does not always have to behave the way we expect. At the smallest scales, nature is not a predictable clockwork machine—but a world of probabilities, possibilities, and phenomena that continue to challenge our understanding of what it means for something to be real.

-Agastya Bali 12 A

The Psychological Impact of Social Media

Social media has become an inseparable part of modern life, influencing how we think, feel, and interact. It offers many positives connecting us with friends, sharing ideas, and inspiring creativity. Yet, its psychological effects can be concerning. Constant scrolling often leads to stress, anxiety, and shorter attention spans. Comparing ourselves to carefully curated online images may lower self-esteem, while excessive use can create feelings of isolation despite being “connected.” At the same time, online communities can provide support and belonging, especially for those who feel unheard offline. The challenge lies in balance: using social media mindfully allows us to enjoy its benefits without letting it harm our mental health, ensuring it remains a tool for growth rather than pressure.

-Shivanshi Singh 12A

Salt on Wheels: Is Sodium the Future of Electric Vehicles?

When we think of electric vehicles (EVs), we usually picture high-tech lithium-ion batteries. Lithium has pretty much dominated the market because it's super light and holds a ton of energy. But there's a catch that we're all starting to see in the news: lithium is getting expensive, hard to mine, and its supply chain is heavily strained. On top of that, lithium batteries lose a lot of their juice when the weather turns freezing, and the cost of the battery alone makes up nearly a third of an EV's total price.

This is where electrochemistry steps in with a surprisingly simple alternative right from the periodic table: Sodium (Na).

How the Chemistry Works?

At its core, a Sodium-ion (Na^+) battery works almost identically to a Lithium-ion one. Both use a rocking-chair mechanism:

During charging: Na^+ ions leave the cathode material and travel through the electrolyte to slot into a porous hard carbon anode.

During discharging: The ions rush back toward the cathode, releasing electrons along the way to run the electric motor.

Because Na^+ ions are physically larger than Li^+ ions, they don't pack quite as much energy into the exact same space. But in exchange, sodium gives us some crazy good advantages:

Cold Weather Performance: While lithium struggles in the cold, sodium-ion cells can still retain around 80–90% of their charge even at extreme sub-zero temperatures (-30°C or -40°C).

Safety: Na^+ batteries are thermally way more stable, meaning they are much less likely to overheat or catch fire under heavy load.

-Risi S.K 12 A

Quantum Computing Takes a Big Step Toward the Future

The world of computer science has taken another exciting step forward with a major breakthrough in quantum computing research. A team of scientists at Yale University has received a \$4 million grant from the U.S. National Science Foundation (NSF) to develop a new approach to building quantum computers. Unlike the computers we use every day, which store information as bits (0s and 1s), quantum computers use quantum bits, or qubits, which can exist in multiple states at the same time. This unique property allows quantum computers to solve certain complex problems much faster than traditional computers. One of the biggest challenges in quantum computing is keeping qubits stable. They are extremely sensitive to their surroundings, and even tiny disturbances can cause errors. The new research aims to create a more reliable and scalable quantum computing architecture, bringing scientists closer to building practical quantum computers that can perform real-world tasks. If successful, quantum computers could revolutionize many fields. They may help scientists discover new medicines, improve weather forecasting, optimize transportation systems, strengthen cybersecurity, and solve scientific problems that are beyond the reach of today's fastest supercomputers. Although practical quantum computers are still being developed, breakthroughs like this show that the technology is advancing rapidly. As research continues, quantum computing has the potential to transform the future of science, technology, and everyday life. Did You Know? A powerful quantum computer could solve some specialized problems in minutes that would take today's most advanced supercomputers years—or even longer—to complete.

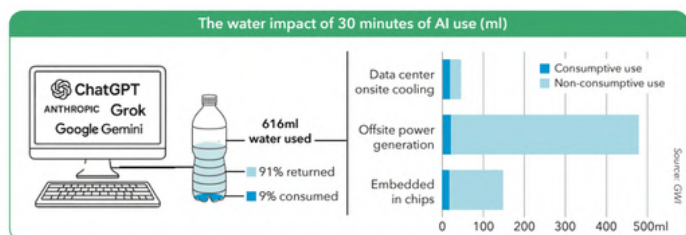
-Joel Issac 12A

AI's Water Consumption

AI's Water Consumption

AI seems like it is about computers but it actually uses a lot of water. Every time you ask an AI model a question water is used in two ways inside Data Centres:

- directly for cooling
- indirectly for electricity generation that powers the AI servers.



Cooling: The Direct Water Use

Data Centres use water to cool down the AI servers. Many modern facilities use a system where water evaporates to carry away heat. This means they need to add water all the time and a lot of it gets lost in the air.

In 2023 Data Centres in the U.S. Used about 66 billion litres of water for cooling, which's up from 21.2 billion litres in 2014. Experts think that the amount of water used at Data Centres could go up to 150 to 280 billion litres per year by 2028 as AI gets bigger.

Electricity Generation: The Indirect Water Use

Most of the water used by Data Centres is not directly for cooling. For generating electricity. Power plants need a lot of water to make steam and cool down turbines. In the U.S. the amount of water used indirectly by Data Centres is about 800 billion litres, which's a lot more than the water used for direct cooling.

For example when Microsoft trained their GPT-3 model in U.S. Data Centres it directly used 700,000 litres of freshwater for cooling. The indirect water use from electricity generation was much bigger.

What Can We Do to Save Water?

- Use cooling systems that do not use much water like air-only or liquid immersion cooling, instead of systems that use evaporation.
- Build Data Centres in places and use natural cooling like night air or seawater to reduce the amount of water that evaporates.
- Use cleaner electricity, like solar or wind power, which uses a lot less water, than power plants that burn coal or gas.

-Saisha Tikoo 11 A

Viral Predictions

As we look toward the mid-2030s, the narrative is shifting from theoretical speculation to tangible reality. Here are the transformative breakthroughs in science and technology poised to reshape our world over the next decade—and the unexpected surprises waiting just beyond the horizon.

Fusion might finally stop being a joke. Companies like Commonwealth Fusion and Helion are actually gunning for pilot plants in the early 2030s. Not "unlimited clean energy forever" but the first real proof it's not just a pipe dream physicists have been chasing since the 60s.

We might get real anti-aging drugs. Not immortality pills, don't get carried away. But senolytics drugs that clear out your junky old cells and some early reprogramming tricks are already in human trials. Getting old might start looking different. Cancer vaccines, personalized to you. This one's already happening quietly — Moderna and Merck have melanoma vaccines built off your own tumor's mutations. By 2035 this could just be... normal cancer treatment, not science fiction.

Room-temp superconductors for real this time. Remember the LK-99 hype that fizzled? People are still hunting. If someone actually nails it and it's reproducible, it rewires (literally) power grids, trains, computers, everything.

AI doing science faster than we can. Not one discovery more like AI systems descended from AlphaFold designing new drugs, materials, and molecules at a pace that makes normal R&D timelines look like they're standing still.

Brain implants doing more than helping paralyzed people type. Neuralink and its rivals pushing into restoring sight, hearing, maybe more. Sounds like sci-fi until it's your uncle who can suddenly hear again.

Finding a maybe-alive planet. JWST and whatever comes after it could catch a whiff of atmospheric chemistry on some exoplanet that just doesn't make sense unless something's living there. Not aliens waving hello just enough weirdness to make everyone lose their minds for a news cycle.

Quantum computers actually doing something useful. Not "beat a rigged benchmark" useful solving a real drug discovery or materials problem faster than any normal computer ever could. A lot of people think this decade is when it stops being a lab trick.

Growing organs instead of waiting for donors. Bioprinted or stem-cell-grown kidneys and livers moving out of mice and into actual human transplant lists. Could quietly save an enormous number of lives.

Actually understanding Alzheimer's. Not just another drug that slows things down a little an actual mechanistic breakthrough that lets us prevent it instead of just managing the slide.

Here's the honest though: the biggest thing on this list is probably not on this list. Nobody predicted CRISPR or ChatGPT ten years before they hit. The real world-changer of 2035 is probably something nobody's talking about right now.

-Dakshesh Anand Singh 11 A

Time Crystal: A New State of Matter

Time crystals may sound like science fiction, but they are based on the principles of quantum mechanics. The first time crystals were created in 2016 in the form of quantum materials. Rather than creating a form of perpetual motion, scientists have been able to create time crystals that maintain their structure and are in the lowest energy possible.

Time crystals have attracted scientists' attention due to their potential use in various technologies. For example, they may be able to improve the stability of quantum computers. Additionally, they may be able to create more precise sensors and clocks for scientific use.

Although time crystals are still being studied, they represent a significant breakthrough in the study of matter. Not only has this discovery allowed scientists to expand their knowledge of matter, but it has also opened the door to new possibilities in the field of quantum science. Furthermore, time crystals may play a significant role in the development of the future's technologies. Thus, time crystals are one of the most fascinating scientific discoveries of the 21st century.

-Risi S.K 12 A

The Mathematics Behind Artificial Intelligence

Artificial Intelligence is built on mathematics. Every time an AI system recognizes a face, translates a language, or answers a question, it relies on mathematical concepts working behind the scenes. Linear algebra helps computers represent and process large amounts of data using vectors and matrices. Calculus is used to improve AI models by minimizing errors during training through optimization techniques. Probability and statistics allow AI to make predictions, measure uncertainty, and identify patterns in data instead of simply memorizing information. Graph theory is used in recommendation systems and social networks, while discrete mathematics supports algorithms and logical decision making. Even school topics we learn such as functions, equations, and coordinate geometry form the foundation for these advanced ideas. Mathematics transforms AI from a collection of computer programs into systems that can learn from experience and make informed decisions. As AI continues to shape healthcare, education, science, and technology, mathematics remains the language that makes machines like this possible.

-Sneha Sakaray 12 A

AI: Emotionally Intelligent or Simply Responsive?

Humans are emotional and social beings. We build relationships, communicate and connect with the experiences of others because of these inherent traits that we possess. But have you ever wondered if the AI bots that you use everyday to learn, understand and sometimes talk to truly understand the emotions behind these texts?

AI is a tool created by humans to increase the efficiency of work, study and problem-solving. It was not created to recognize or understand emotions. Instead, AI uses Natural Language Processing(NLP) and Machine Learning(ML) to infer human emotions through the prompt. AI generates responses by analyzing data and patterns. To put it in simple words, it responds to the prompts based on the data provided by the user and based on what it's trained on.

AI is trained to mirror the user prompt and use of words. For example: If the user writes a distressed prompt, the AI's algorithms select words that align with comfort and support. Even if the AI generates responses saying "I'm sorry for your loss" or "Yes, I know the feeling", AI isn't actually feeling sad or sorry for the user. It's just generating texts based on its algorithm so that the user feels comfortable and supported in the given context.

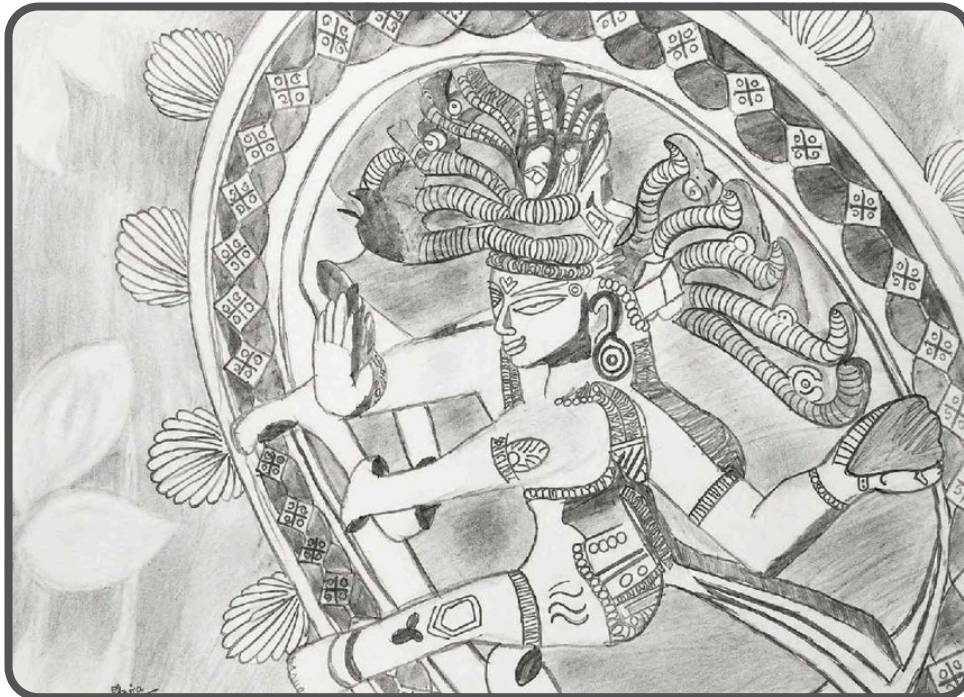
In 1966, an MIT computer scientist Joseph Weizenbaum created a rudimentary chatbot named Eliza. It acted as a parody of a Rogerian psychotherapist by using simple pattern-matching and reflecting the user's keywords back as questions (For example: If the user said "I'm sad," it would ask "Why are you sad?"). Despite having absolutely no comprehension of human emotion, users quickly formed emotional attachments to ELIZA, confiding their deepest secrets and demanding privacy while chatting with it.

AI has never lost a loved one, felt physical pain or celebrated a victory. Its idea of human emotions is purely theoretical and dictionary. While AI will get better at mimicking human emotions, it will never reach to that extent where it will truly understand them.

-Aryalakshmi Santhosh 11A



Aditi Thakur 12A



Srijith R- 11A



Shivanshi 12A



Nesha Oviyah Immanuel 12A



Kaushik Nukala 12A



Srinivas G 12A

IRIS 2026



NPSHRD team secured First Place in Entrepreneurship - Imperium Venture and Second Place in Chemistry – Scholars' Snare at IRIS 2026 held at National Public School, Koramangala.

AURORA 2026

NPSHRD team secured Winner Position in Inter-School Basketball Tournament at AURORA 2026-27 held at The Cambridge International School, Harlur.



NPSHRD team secured First, Second and Third Place in various categories at the Inter-School Chess Tournament at AURORA 2026-27 held at The Cambridge International School, Harlur.

AMAYAM 2026



Art Integration – Time Tunnel

- Saksham (10A)
- Avni Bagla (10B)
- Deenal (10B)
- Twisha (10B)
- Dhruti (9B)
- Ahana (10B)
- Advik (10B)
- Dakshesh(11A)

Achievement: 1st Prize

Oracle of Rhythms

- Yasita (12)
- Nimisha (9B)
- Devanshi (10A)
- Aaditri Ray Chaudhuri (11A)
- Bhuvanika (10A)
- Soujanya (12)
- Elina (9A) -
- Veeksha (10B) -
- Rithu (10B)

Achievement: 3rd Prize



The Miniature Millennium

- Dwijesh (Grade 11)
- Srijith (Grade 11)

Achievement: 1st Prize

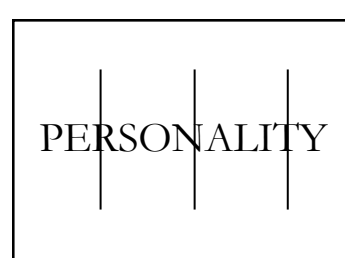
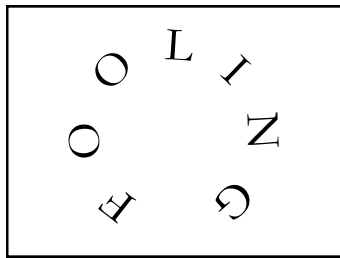
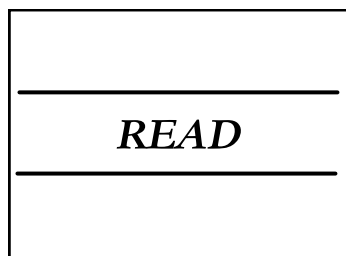
- Piyush (Grade 9B)
 - Tejeshwar (Grade 9B)
- Achievement: 3rd Prize**

Judgement at Sea – Shipwreck Event

- M. Shri Bharathi(Grade 9B)
- Achievement: 3rd Prize**



REBUS PUZZLES



FINISH THE SEQUENCE

1. 2, 6, 12, 20, 30, ____?
2. 100, 90, 81, 73, 66, ____?
3. 2, 5, 11, 23, 47, ____?



THE MISSING NUMBER

I am a number between 20 and 30.

I am an even number.

My digits add up to 8.

What number am I?

ANSWERS:
1. Read between the lines
2. Feeling under the weather
3. Man overboard
4. Once in a blue moon
5. Fooling around
6. Split Personality
Finish the Sequence
1. 42
2. 60
3. 95
The Missing Number
26



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