



for the measurement of angles, and tables for calculations with these angles. Archimedes and Aristarchus studied the numerical ratios in triangles, and sophisticated theories and treatises on the application of these new theories to astronomy were published. The principles of spherical trigonometry underpin the calculations of modern astronomy, although the calculations are now carried out by computers rather than slide rules. Mathematics has a supervisory control over research, in astronomy. Astronomers design mathematical models that describe the formation, history, and future of celestial bodies that are as accurate as possible. Their primary responsibility is to develop 2 mathematical models that are as precise as possible. Astronomers also use mathematics to establish and test hypotheses regarding the physical laws that govern celestial phenomena. The principle is made up of formulas that compare quantities. It is apparent that astronomers use math for most astronomical calculations, as well as in super technical aspects of their work. These forms of mathematics are primarily used for measurement, but also observation and calculation. It has been made clear that even when many theories for astronomy were being developed, some of them came into being through some form of math or are put into practice with it. Many of the most iconic astronomers of all time, that have contributed so much to this field, were also mathematicians and integrated it into their theories, calculations, and studies. Mathematics has a consistent pattern in astronomy, including in the earliest of centuries and civilizations, to modern students being required to study it to become astronomers. Knowing this, it's clear how mathematics and astronomy have been and will continue to be connected for a very long time.

Vasudha R N
Mathematics Teacher

STUDENTS' CORNER

How to Make New Friends

How to Make New Friends Friends are wonderful. They make you laugh, help you and of course they are with us in tough times. But sometimes making new friends can be really hard. Making friends is not really hard. For making friends of course you should have a good behavior and should also have the tendency to help those who are in need.

Here are some tips to make new friends:-

- Always mingle with people and speak to them in a good manner.
- Care for everyone.- Volunteer participation is required.
- Look for opportunities to talk with people.
- Be a trustworthy person.
- Always listen to everyone and do not think that you know everything.
- Help everyone.
- Pursue common interests.
- Share your belongings with everyone.
- And most importantly, be reliable.

With these common tips, I am sure that not only you or me but everyone can make good friends forever. I would like to conclude my article by saying that "A good friend is like a four-leaf clover; hard to find and lucky to have".

Sri Guru
Class X A

Write the homophones for the following words using the help box.

- a) Incite _____
- b) Roll _____
- c) Sole _____
- d) Tail _____
- e) Stationary _____

Clue: Homophones are two or more words having the same pronunciation but different meanings, origin, or spelling.

HELP BOX
Soul
Stationery
Role
Tale
Insight

Festivals - Time to Share and Celebrate

It is a great feeling when we are in the middle of series of festivals. Gowri Ganesha is just behind us. Dasara will soon be here and immediately after, it will be Diwali!

Why are festivals fun and exciting? For so many reasons you will say. Firstly, new clothes. More than buying them, the activity of going to the shop or to the mall, being in the midst of fancy and bright lights and trying all the clothes on the floor. Selection is a difficult job because you are never happy with of them! Finally you make a selection because your mother or brother or sister tell you that you look good in that dress. We buy because we want to look good, right?

Next, festive food is what makes the festival special. Like Christmas is special for the cake, Ganesha for the "Kadubu" and Eid is for "Sheer Khurma", every festival is a special time to savour the traditional recipes. There is so much joy in making as there is in eating. The best part is when guests come home to greet and to bless. We too go and visit our relatives and friends, sometimes away from the city also. Festivals are a great time for friends and family to connect and share happiness and other experiences. We all have our favourite uncles and aunts, who tell good stories and make us laugh without end, isn't it?

And then there is Antakshari, the game of singing songs. Don't you wonder how you forget songs beginning with "Sa" or "Ra"? The spirit of competition is intense and you want

your team to win at all costs! Amidst the singing, someone takes to dancing and the rest follow.

Such moments make the occasions memorable. Whether it is Ganesha idol or Durga Puja pandal, the atmosphere will be just as vibrant. We forget ourselves and get immersed in the celebration.



In the middle of all this, have you ever thought of the less privileged, children of your age who could not afford to celebrate like the way you are doing? Look around, and will find many such who yearn to have fun and frolic like others. But for various reasons, they cannot celebrate. In our moments of joy, we should be aware of others' conditions.

Reach out. Reach out to someone who can feel better with your smile, with your presence, your food, whatever. When you reach out, you are conveying the message that none of us is alone. Together we celebrate. We are all part of one big family: "Vasudhaiva Kutumbakam".

There is an old saying: When we share our joy, the joy becomes many times bigger. So, if you have a box of sweets, go out and share with someone who didn't have a meal. When you are bursting

crackers, give some to the kid on the road, who does not have any.

Festivals can indeed be the time that we learn to live better, by sharing and connecting.



Principal's Desk

Value based Education lays emphasis on the personality development of individuals in order to shape their future and tackle difficult situations with ease.

It moulds the children so they get attuned to changing scenarios while handling their social and moral duties efficiently. The importance of value education can be understood through its benefits as it develops physical and emotional aspects, teaches mannerisms, develops sense of brotherhood, instils spirit of patriotism and develops religious tolerance in students.

Importance of value education:

- It helps in taking the right decisions in difficult situations thus improving decision making abilities.
- It inculcates students with essential values like kindness, compassion and empathy.
- It awakens curiosity in children, developing their values and interest. This further helps in skill development in students.
- It helps students find their true purpose towards serving society and doing their best to become better versions of themselves.
- It ensures a holistic approach to a child's personality development in terms of physical, mental, emotional and spiritual aspects.
- It helps the students to develop tolerance and respect towards different cultures and religious faiths.

SPLENDID 2 September

Bharath Scouts and Guides conducted 'Geetha Gayana' Patriotic singing competition on 2nd September at MEC English and EHS School Gandhinagar.

Our school Scouts, Guides, Cubs and Bulbuls participated in the competition and won 1st Prize in all the categories and were selected for district level competition which was held at RT Nagar Public School on 15th September 2023.

Scouts, Guides and Bulbuls won 1st Prize and were selected for the State level Competition. Cubs Won the 2nd Prize.

- Interschool Quiz Competition was held on 12th August at Bal Mohan Vidhya Mandir, Rajajinagar.
- Our students participated and won the 1st Prize and brought laurels to the school.



CELEBRATIONS

Environment Day 5 June

The Environment Day celebration at MEC Public School was a vibrant and educational event aimed at raising awareness about environmental issues and promoting sustainable practices among students and staff. The event comprised a range of activities and initiatives that encouraged the school community to become more environmentally conscious.



The Environment Day had a positive impact on both students and staff. It heightened awareness about environmental issues, fostered a sense of responsibility towards the planet, and promoted active participation in sustainable practices. The students were empowered to make small but significant changes in their daily lives to contribute to a greener future.

The Environment Day celebration was a successful event that effectively brought attention to the pressing need for environmental conservation. By engaging in a variety of activities, the students not only gained knowledge but also imbibed values that will shape their attitudes towards the environment for years to come.

Inauguration Of Clubs

School clubs are the instruments through which students can showcase their inner talents. They attract people who share the same interest such as in music, art or sports. Club activities help students to develop a sense of unity and teamwork. The inauguration of clubs in our school was initiated to build team work, communication and sense of belonging.

The clubs that were inaugurated by Dr. S. K. Tripathi, Director Operations, include:

- Humanity Club
- Literary Club
- Sadbhavana Club
- Science and Eco Club
- Mathematics Club
- Fine Arts Club
- Sports Club

Representatives of each club briefed about their club activities. They offer an important space to have fun based learning through competitions and events.

School Election 30 June

The school students council election was conducted through a multi-step process. Candidates first submitted their nominations, including their names and positions they were running for. After nominations were closed, candidates had the opportunity to campaign, often through posters, speeches and discussions with fellow students. On Election Day, students cast their votes using ballot or electronic systems. The votes were then counted, and the candidates with the most votes for each position were declared winners. This process ensured a fair and democratic selection of student council members.

International Yoga Day 21 June

Yoga is a way of life that aims toward a healthy mind in a healthy body. It promotes self-healing and enhances self-awareness. Yoga is a part of our curriculum and we celebrated International Yoga Day on 21st June.

Warm up exercises were taken up and all the students practiced and performed various asanas. Importance of doing these asanas was explained simultaneously.

Dr. S K Tripathi, Director Operations, highlighted the importance of Yoga and how to maintain the harmony between body and mind.





Guru Poornima

Guru Poornima generally falls on a full moon day in the Hindu month of Ashada. We celebrated Guru Poornima to acknowledge the selfless induction of wisdom and knowledge by Guru. Students chanted Guru stotras and offered Guru Vandana through their speeches and songs. The program imbibed values to the students on how to be respectful and grateful to their Guru.

Founders Day 12 July

The 51st School Founder's Day program was a momentous occasion where students showcased their talents and achievements. The event was a testament to the school's rich history and commitment to education. The performances by the children highlighted their diverse skills and abilities, fostering a sense of unity and pride within the school community. The Founder's Day program successfully captured the essence of the school's legacy, while also embracing the present and future of education.



During the event, Dr. Vidya C, Secretary of MEC Institutions addressed the audience, shedding light on the school's mission and vision. She elaborated on the institution's commitment to providing quality education and fostering holistic development among students. The Secretary emphasized the school's role in shaping future leaders and contributing positively to society. She articulated the school's perspective on education, underscoring the importance of a well-rounded approach that goes

Beyond academics to instill values, skills, and a sense of responsibility in the students.



77th Independence Day 15 August

MEC Public School celebrated the 77th Independence Day with great enthusiasm and patriotism on August 15, 2023. The event was a grand success, filled with a sense of unity, pride, and love for our nation. The entire school community, including students, teachers, and staff, came together to commemorate this significant day.

The day began with the unfurling of the tricolour flag by Dr. Vidya C, Secretary of MEC Institutions, Dr. S K Tripathi, Director Operations and Heads of other institutions. The flag was hoisted amidst the singing of the national anthem, and the entire gathering saluted the flag as a symbol of respect for the country.

The March Past is an integral part of Independence Day celebrations and it symbolizes discipline, unity, and the spirit of patriotism among the participants. On the occasion of the 77th Independence Day, a spectacular March Past was held at MEC to honour and celebrate our nation's freedom. Students from different classes and houses of the school participated with great zeal and enthusiasm. They were divided into groups based on their respective classes and houses.

The school organized a vibrant cultural program that showcased the rich cultural diversity of India. Students from different grades participated in dance, music, and drill performances. A fancy-dress competition was organized for the younger students, where they dressed up as famous freedom fighters, leaders, and historical personalities. This activity allowed students to learn about these great personalities and their contributions to India's freedom struggle in a fun and interactive way.

The Dr. Vidya C, Secretary of MEC Institutions addressed the gathering, and spoke about the importance of patriotism, discipline, and hard work in building a strong and prosperous nation. Her speech left a lasting impact on the students.

After the event, sweets were distributed to all students and staff members as a symbol of celebrating the sweetness of freedom.

The 77th Independence Day celebration at MEC Public School was a remarkable event that instilled a sense of patriotism and pride in every participant. It served as a reminder of the sacrifices made by our forefathers for the freedom we enjoy today. Such celebrations not only educate the students but also unite the school community in a shared love for our nation. The event concluded with the hope that the spirit of patriotism will continue to burn bright in the hearts of the future generations of our great nation.



Sanskrit Day 31 August

World Sanskrit Day is celebrated annually on the day of Shravana Poornima to mark the importance of ancient Sanskrit language. Sanskrit is an ancient sacred language in India, and several scriptures like Rig Veda were written in this language. It is also known as Devavaani, or the language of Gods. On 31st August, we celebrated Sanskrit Day in our school. An activity based assembly was conducted on that day in Sanskrit language. Grade 10 students performed skit on the topic 'Asmakam Prakruti' (Our Nature). Grade 9 students performed a dance, 7th and 8th Graders sung melodious songs. Smt. Jaya Prabha, Principal MEC Public School, spoke in Sanskrit about the importance of learning Sanskrit. Sanskrit day celebration





was followed by Sanskrit competitions like Shloka recitation, Lingashthakam recitation, Shalaka spardha and Ashubhashanam for different Graders on 4th and 5th August.

Krishna Janmashtami 7 September

Krishna Janmashtami Celebration by Kindergarten Students 7 September MEC Public School celebrated Krishna Janmashtami with great enthusiasm and fervour, and the youngest members of our school community, the Kinder Garten students, played an integral role in making this celebration memorable. Krishna Janmashtami, also known as Janmashtami or Gokulashtami, is a Hindu festival that marks the birth of Lord Krishna. It is celebrated with traditional rituals and cultural activities.

The Kinder Garten students participated in the event by dressing up as little Krishnas and Radhas, wearing traditional attire that added vibrant colours to the celebration. A competition was organized for the Best Dressed Krishna and Radha on the auspicious occasion.

The highlight of the event was in the spirit of the Dahi Handi tradition. The students along with the teachers attempted to break the "handi" (a clay pot filled with curd) that was hung at a height. This activity filled the air with excitement and laughter.

The celebration also included a Janmashtami Pooja, where students were introduced to the significance of the festival and offered prayers.

Kinder Garten students sang devotional bhajans, dedicated to Lord Krishna, spreading a spiritual aura in the school premises. A special Krishna Janmashtami feast was organized for the students, featuring traditional dishes such as benne, snacks, avalakki, sweets, etc.

The Krishna Janmashtami celebration at MEC Public School was a delightful and educational experience. It not only allowed the students to immerse themselves in the cultural and religious significance of the festival but also encouraged creativity and teamwork. The event was a testament to our school's commitment to holistic

education and fostering a sense of unity and cultural diversity among our students.

By actively participating in these festivities, the Kinder Garten students learned valuable lessons about the importance of tradition, devotion, and community spirit, making this celebration a memorable and enriching experience for all involved.

Grandparents' Day 9 September

Grandparents' Day is a special occasion that celebrates the invaluable role that grandparents play in the lives of their grandchildren. The event aimed to honour and cherish the wisdom, love and guidance of grandparents.

The event commenced with a warm welcome by a choir of children singing a heartfelt song dedicated to grandparents, followed by the welcome dance by our tiny tots.

Friendly competitions and games brought laughter and fun to the event. Prizes were awarded to the winners, adding excitement to the day.

The Grandparents' Day celebration was a resounding success, promoting inter-generational bonds and cherishing the wisdom of grandparents. It provided a platform for both young and old to connect, learn from each other, and create lasting memories. The event reinforced the importance of family and the valuable role that grandparents play in nurturing future generations. Attendees received tokens of appreciation, and small gifts.



Hindi Diwas 14 September

14 सितंबर को हमने अपनी पाठशाला में हिंदी दिवस मनाया। कार्यक्रम में कुछ छात्र शामिल हुए थे।

कार्यक्रम में केवल हिंदी में गीत, नृत्य, नाटक और भाषण शामिल थे।

राष्ट्रगीत के साथ कार्यक्रम का समापन किया गया।



Vanamahostava 1st Week of July

Vanamahotsava, a festival of trees was organized in the 1st week of July by Kinder Garten students. All the students participated in planting the saplings and also learnt to take care of plants by watering them on daily basis. The little hearts were full of joy by planting the saplings. Our tiny tots also learnt about the importance of the trees and to protect the trees.

Yellow Day 20 July

Yellow, the colour of sunshine stands for freshness, positivity and joy. On 20th July, the Kinder Garten students celebrated Yellow Day. All the children were dressed in different hues and tints of yellow. Children participated enthusiastically by singing various rhymes on yellow and identified yellow-colored objects and spoke about them.

Fruit Day 30 June

"Eat fruits plenty, keep body healthy"

With an objective to create and educate the children about the importance and consumption of fruits in regular diet, the Kinder Garten students celebrated Fruits Day on 30th June 2023. On this occasion, children brought various fruits and learnt about their names, color, smell, texture and taste. The tiny tots also learnt about the importance of washing the fruits before eating and about the benefits of eating fresh fruits.

Teachers Day 5 September

Our school celebrated Teachers' Day on 5th September with great enthusiasm. The program was organized by the students of Class X.

Students and teachers gathered in Vishalakshamma Kreedangana, which was beautifully decorated with flowers, banners and festoons. The programme started with a prayer. Students expressed their gratitude towards the teachers by giving short speeches. Students performed cultural activities like dance, songs, dramas etc. on this special occasion.

The students also arranged some fun games for the teachers to entertain them. All the teachers enjoyed and appreciated the program. Students surprised their teachers by the pleasant gift and cards.

TEACHERS' CORNER Mathematics & Astronomy

Math or Mathematics and Astronomy have a long history. If you're dreaming of a career in the growing space sector, then math will be crucial. Find out how math is used in astronomy. Astronomy is the science of all celestial objects (Earth, Solar System, the Milky Way, Moon, Sun, etc.), space and the universe in general. On the other hand, mathematics is the science of numbers, space and amount of matter, especially as abstract concepts. In present times, the names of Euler, Gauss, Poincare and Newton among others are celebrated in both mathematical and astronomical sciences. Mathematics is and always has been of central importance to astronomy. Mathematical developments were both applied to and motivated by astronomical calculations, and many of the most famous astronomers were also mathematicians and vice versa. In astronomy, we use not only algebra, calculus, statistics and probability, but also trigonometry and logarithms to calculate parameters like movement, distances and even the chemical characteristics of distant stars and galaxies. New planets or celestial bodies are found every year, possibly requiring the application of mathematics. One of the inventors of mathematics, Pythagoras of Samos, concluded that each planet is connected with spheres. Ptolemy, who recorded longitudes and latitudes, developed an earth-centered mathematical model of the Solar system. Kepler studied the orbits of the planets mathematically and later discovered the laws of planetary motion. In addition, Isaac Newton explained gravity and described how planets move about one another, and today, his equations are used to calculate gravitational forces. While studying objects in motion, Galileo observed that the speed with which a heavy object falls is not directly proportional to its weight. Mathematicians and astronomers including Hipparchus developed techniques